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AIIMS
ANNUAL REPORT
2024–2025



ALL INDIA INSTITUTE OF MEDICAL SCIENCES

NEW DELHI -110029

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All India Institute of Medical Sciences

The All India Institute of Medical Sciences (AIIMS) was established in 1956 as an institution of national importance by an Act of Parliament to develop patterns of teaching in undergraduate and postgraduate medical education in all its branches so as to demonstrate a high standard of medical education to all medical colleges and other allied institutions in India; to bring together in one place educational facilities of the highest order for the training of personnel in all important branches of health activity and to attain self-sufficiency in postgraduate medical education.

The Institute has comprehensive facilities for teaching, research and patient care. The AIIMS, New Delhi conducts teaching programs in medical and para-medical courses both at the undergraduate and postgraduate levels and awards its own degrees. Teaching and research is conducted in nearly 100 disciplines. The Institute is a leader in the field of medical research with over Rs 193 crores in extramural grants received by its researchers in a year. The Institute also runs a College of Nursing.

Various departments and centres manage practically all types of disease conditions with support from para-clinical departments. The Institute also runs a 50-bedded hospital and the Comprehensive Rural Health Centre at Ballabgarh in Haryana and provides health cover to nearly 8 lakh people through the Centre for Community Medicine.



Shri Jagat Prakash Nadda

Hon'ble Union Minister
Ministry of Health & Family Welfare
and Chemicals & Fertilizers
Government of India
and
President, AIIMS, New Delhi



Shri Jadhav Prataprao Ganpatrao
Hon'ble Minister of State (Independent Charge)
Ministry of AYUSH and Minister of State of
Ministry of Health & Family Welfare
Government of India



Smt. Anupriya Patel
Hon'ble Minister of State
Ministry of Health & Family Welfare
and Chemicals & Fertilizers
Government of India

AIIMS AT A GLANCE

2024–2025

Year of Establishment 1956

Teaching Departments and Centres	43+7	Medical graduates (till date)	3901
Faculty members (Sanctioned 1306)	782	Postgraduates (till date)	14517
Non-faculty staff (Sanctioned 13464)	10910	Nursing/paramedical graduates (till date)	4332
Undergraduate students (on roll)	1243	Publications in journals/abstracts	2990
Postgraduate students (on roll)	2233	Chapters in books/books	369

Hospital Services

Hospital/Centre	Outpatients (Including Casualty)	Admission	Surgery (Operations/ Procedures)	Beds		
				General Ward	Private Ward	Total
Main Hospital	22,68,551	1,58,450	1,42,383	1,706	214	1,920
Dr RP Centre	6,07,304	52,852	51,717	288	22	310
Dr BRAIRCH	2,15,093	67,670	9,781	174	15	189
Cardiothoracic Centre	1,51,807	11,065	3,422	226	33	464
Neurosciences Centre	1,45,610	10,412	3,223	174	31	
NDDTC*	3,47,054	1,345	---	50	---	50
CCM†	4,74,686	7,407	597	50	---	50
JPNATC**	1,17,576	7,379	7,535	238	21	259
CDER	2,82,475	1,376	945	20	--	20
NCI, Jhajjar	1,04,009	43,280	36,348	387	8	395
Outreach outpatients, Badsa, Jhajjar	1,29,407	---	1,500	----	----	---
Total	48,43,572	3,61,236	2,57,451	3,313	344	3,657

* inclusive of Trilokpuri, Sunder Nagri & Kotla Mubarakpur

† inclusive of PHC Dayal Pur, Chhainsa

** Including 30 Triage beds

Hospital Performance Indices

Parameters	Main Hospital		Cardiothoracic and Neurosciences Centre		Jai Prakash Narain Apex Trauma Centre	
	2024–25	2023–24	2024–25	2023–24	2024-25	2023-24
Average length of stay (days)	9.6	9.5	10.3	10.8	10.6	9.43
Average bed occupancy rate (%)	83.1	85.3	84.2	78.3	78.09	75.90
Net death rate (%)	1.1	1.4	1.9	2.4	4.79	5.90

CCM: Centre for Community Medicine; CDER: Centre for Dental Education and Research; Dr BRAIRCH: Dr B.R. Ambedkar Institute Rotary Cancer Hospital; Dr RP Centre: Dr Rajendra Prasad Centre for Ophthalmic Sciences; JPNATC: Jai Prakash Narain Apex Trauma Centre; NCI: National Cancer Institute; NDDTC: National Drug Dependence Treatment Centre

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1. Director's Review

I feel privileged to present the sixty-ninth Annual Report, and audited statement of accounts for the year 2024–2025.

AIIMS is a running laboratory of the Gita's Karma Yoga

Thus, spoke the Hon'ble President of India, Smt. Droupadi Murmu, while addressing the 49th annual convocation of the All India Institute of Medical Sciences, New Delhi (AIIMS-New Delhi). The Hon'ble President stated that "AIIMS is a proud 'made-in-India' success story, and is a model worth emulating across the country."

Over the past year, building on earlier efforts, our teams have worked with unwavering dedication to elevate standards in patient care, research, and education to ensure that AIIMS-New Delhi remains not only relevant, but also transformative. I extend my deepest and heartfelt gratitude to our doctors, nurses, paramedics, researchers, administrators, and support staff, who have played an indispensable role in the functioning of the Institute to solve Indian society's most pressing challenges related to health and well-being and illuminating the path ahead for the rest of the country. I am privileged to lead and serve this exceptional institution and wish to highlight some of its extraordinary achievements in this report.



Service and Leadership

Shri Jagat Prakash Nadda, Union Minister of Health and Family Welfare, also speaking on the occasion of the 49th convocation, congratulated AIIMS-New Delhi for making massive advancements with respect to its infrastructure and healthcare services. Bed capacity in AIIMS has been expanded by 34%, intensive care and surgical capacity by 40%, and diagnostic facilities have improved through technology and efficient management of resources.

We, at AIIMS New Delhi, believe in advancing patient care with compassion, and in the last twelve months, our institution has focused on providing a health ecosystem that is affordable, accessible, and quality-assured to ensure patient satisfaction.

The main hospital and our centres—Cardiothoracic and Neurosciences Centre (CN Centre), Jai Prakash Narain Apex Trauma Centre (JPNATC), Dr BR Ambedkar Institute Rotary Cancer Hospital (BRAIRCH) and National Cancer Institute (NCI), Jhajjar, Dr Rajendra Prasad Centre for Ophthalmic Sciences (RPCOS), Centre for Dental Education and Research (CDER), and National Drug Dependence Treatment Centre (NDDTC), Ghaziabad— now have a total bed strength of more than 4000. During the year 2024–2025, AIIMS-New Delhi attended to about 50 lakh outpatients and 3.5 lakh inpatients, and performed over 3 lakh surgical procedures at optimal patient care service parameters like bed occupancy of about 83%, average hospital stay of 9.6 days; and a low net death rate of 1.1% - a testament to our clinical excellence and operational scale.

The AIIMS-New Delhi has been placed in the top 100 in the 'World's Best Hospitals 2024' ranking published by Newsweek and Statista GmbH, following evaluation of over 2,400 hospitals across 30 countries based on clinical outcomes, patient satisfaction, hygiene standards and peer recommendations. This milestone marks a notable advancement in AIIMS Delhi's global standing and reflects India's growing presence in top-tier health-care institutions.

Strengthening of infrastructure

AIIMS-New Delhi has expanded and optimized its critical care infrastructure and deployed advanced monitoring systems for real-time clinical decision-making. Our MRI services, now streamlined, have benefitted more than 15,000 patients in the last year alone.

Most laboratories of the Department of Microbiology are now accredited with the National Accreditation Board for Testing and Calibration Laboratories (NABL). The department has established the country's first HIV Drug Resistance Testing Laboratory, sanctioned by National AIDS Control Organization (NACO); and a Department of Health Research (DHR) Infectious Disease Research and Diagnostic Laboratory (IRDL) under the Pradhan Mantri Ayushman Bharat Health Infrastructure Mission (PM-ABHIM) scheme. This year, the scope of testing at the laboratories in JPNATC, Department of Laboratory Medicine, CDER (Oral Pathology), Department of Nephrology, Cardiac Biochemistry, and Clinical Porphyria Testing Laboratory were also accredited with the NABL. The Burns and Plastic Surgery Block received National Accreditation Board for Hospitals & Healthcare Providers (NABH) certification.

The Department of Surgical Disciplines expanded its surgical services with the installation of robotic surgical system in the operating area and dialysis facility within the surgical critical care area. It also added specialty clinics for Gastrointestinal diseases & gallstones, Coloproctology, and Renal Transplant and Arteriovenous Fistula, among others. The RPCOS introduced new clinics for myopia, uveitis (with the Department of Rheumatology), and vitreo-retinal dystrophy. It also initiated an i-DRONE services for transporting cornea for transplantation in collaboration with Indian Council for Medical Research (ICMR) and Dr. Shroff's Charity Eye Hospital (SCEH).

The Division of Neonatology of the Department of Paediatrics established a Comprehensive Lactation Management Center, 'Payodhi,' to addresses the donor milk needs of sick babies in the Neonatal ICUs; and mentored Safdarjung Hospital, New Delhi, and BP Koirala Institute of Health Sciences, Nepal to establish similar services. The Department of Geriatric Medicine at the National Centre for Aging expanded it specialized services with the addition of Geriatric Oncology and Fragility Fracture Clinics. The NDDTC initiated a Tobacco Cessation Clinic in collaboration with the Department of Pulmonology.

Patient centric endeavours

Eliciting a word of praise from the Hon'ble President was a proud moment for us, but also an aspirational one, because she added "the responsibility of AIIMS goes beyond healthcare, education and research. It extends to fostering an environment where every stakeholder's voice is heard, where resources are utilised judiciously, and where excellence is the norm". At AIIMS-New Delhi, we take up the mantle of health equity with pride and resolve. We have achieved a 95% satisfaction rate in patient feedback surveys, reflecting our unwavering commitment to empathy, efficiency, and excellence.

In an effort to align with the government's mission to make quality healthcare accessible and efficient, our Computer Facility has developed many software in-house to facilitate services at AIIMS-New Delhi. We have introduced a new patient-redressal portal named 'SANTUSHT' which allows patients to submit complaints in text, audio or video format and track their resolution in real time. The portal is currently live in the Mother & Child Block. We have also begun a pilot roll-out of artificial intelligence (AI)-enabled CCTV cameras at key locations, such as the Emergency department, main gate and entry/exit points of the Mother & Child Block to improve security via facial recognition, anomaly detection and tamper-proof surveillance.

In line with our commitment to innovation and excellence in health care delivery, we have also operationalized '*TRED (Triage Register for Emergency Department)*,' a web-based application designed to enhance patient management and operational efficiency in Emergency Departments; and the '*AIIMS Inter Referral System*,' a centralized platform that can enable seamless patient referrals across the entire AIIMS network in India, ensuring coordinated and efficient inter-institutional care.

AIIMS-New Delhi is implementing the ABPMJAY scheme earnestly. Our Ayushman Bharat Kendras operate round-the clock (24X7) for the smooth implementation of the scheme. Taking our role in the implementation of the Ayushman Bharat Digital Mission (ABDM) earnestly, we have created more than 700,000 ABHA IDs and over 2 million 'scan and share' ABHA tokens. The institute has treated more than 30,000 patients under the Pradhan Mantri Jan Arogya Yojana (PM-JAY), demonstrating its role as a key public-sector provider offering subsidized care under government healthcare-initiatives.

We have also introduced an electric bus (e-bus) service to provide last-mile connectivity for patients, attendants and caregivers travelling from nearby metro stations and bus stops to various facilities within our sprawling campus. The e-buses feature wheelchair access, air-conditioning and regular stops on campus, ensuring comfort and accessibility for all users.

Research and Innovation

The Research Section of AIIMS-New Delhi provides capacity building support to the AIIMS faculty and student researchers through the Centralized Core Research Facility (CCRF) and Clinical Research Unit (CRU) for basic and clinical sciences, respectively. The Centre for Medical Innovation & Entrepreneurship (CMIE) provides critical support and guidance for promoting innovations in research. The CRU holds a distinguished position as an affiliate centre of the **Cochrane India Network** and functions as an advanced hub for clinical trials. It also plays an active role in the **Indian Clinical Trial & Education Network (INTENT)** initiative led by the **ICMR**, contributing significantly to the advancement of clinical research capacity and standards in the country.

The Research Section managed 958 extramural funded research projects and 369 intramural research grants amounting to over Rs. 288 crores; of which about 50 crores were obtained through international funding agencies during the year 2024-2025. The funding agencies included ICMR, DHR, Council for Scientific and Industrial Research (CSIR), Department of Biotechnology (DBT), Department of Science and Technology (DST), Defence Research and Development Organization (DRDO), World Health Organization (WHO), and United Nations Children's Fund (UNICEF). The institute continues to invest deeply in our community's scientific and scholarly endeavours. Philanthropic funds were raised to promote participation of younger faculty members and students in research through various competitive grants. The research section introduced a new intramural funding scheme for NCI-AIIMS, Jhajjar to encourage cancer research this year.

The research community at AIIMS-New Delhi contributed significantly to scholarship through its leadership in innovations and publications. During the year the faculty and scientists of the Institute published over 2500 research papers in national and international journals and over 365 monographs, books, and chapters in books.

AIIMS-New Delhi continues to support multiple Centre for Advanced Research (CAR) projects of the ICMR: Paediatric Nephrology, Paediatric Pulmonology, Childhood Neurodevelopmental Disorders (Department of Paediatrics), Virtual Autopsy (Department of Forensic Medicine), Pancreatic Disease and Intestinal diseases (Department of Gastroenterology and Human Nutrition), Neuromodulation (Department of Psychiatry), Disability and Assistive Technology (Department of Biomedical Engineering), Nephrology (Department of Nephrology), and Pulmonology (Department of Pulmonary, Critical Care and Sleep Medicine). Department of Cardiology, Division of Paediatric Pulmonology & Intensive Care (Department of Paediatrics), and Department of Burns & Plastic Surgery continue as ICMR Collaborating Centres of Excellence (ICMR-CCoE). This year, AIIMS-New Delhi established the Centre for Advanced Research on Addictive Behaviours (CAR-AB), to address the growing public-health challenge of internet and technology addiction among children and youth. The initiative will also develop an AI-based predictive model to identify at-risk individuals through behavioural-data analytics. The project will leverage partnerships with schools, colleges, educators, parents, medical institutions and technology specialists to build a national network that can provide optimum support.

This year, the RPCOS launched a Retinomics Facility, India's first multidisciplinary AI-based health research platform; and developed an indigenous bio-engineered corneal implant, advancing the vision of Atmanirbhar Bharat. The Department of Biotechnology initiated research in new fields like Cardiogenomics, Bioinformatics, Bioenergetics of Infectious diseases, and Molecular cancer therapeutics.

Collaborative research

The institute's prodigious resources, collaborative energy, and ability to convene have led to memoranda of understanding (MoU) with many organizations for research projects focused on fundamental research, clinical care, and health care delivery.

AIIMS-New Delhi hosted the inaugural Pan-AIIMS Research Consortium, bringing together Deans (Research) from across the AIIMS network to foster collaborative, multi-centric research on national health priorities. The institute also formalized a MoU with the Armed Forces Medical Services (AFMS) to collaborate on joint research, academic programmes, patient-care services and faculty exchange, especially in the fields of high-altitude, aerospace, and marine medicine.

The institute entered into a collaboration with Osaka University, Japan to establish a new 'National Centre for Medical Device Development, Validation and Skill Training' on its Jhajjar campus. Under the 'Make in India' initiative, the centre

will provide a platform for surgeons, physicians and biomedical engineers to jointly conceptualise, design, prototype and test medical devices aligning with the goal of reducing India's dependency on imported medical equipment. A Trilateral MoU was also executed between AIIMS, UCL, and IIT Delhi to focus on advancing MedTech research. New MoUs were also signed with CSIR, CSIR-Centre for Cellular & Molecular Biology (CCMB), National Forensic Science University (NFSU), and Ministry of Tribal Affairs (MoTA).

The quality of Institute's science is strengthened by collaborations with biotechnology, pharmaceutical, robotics, and AI establishments. Many of these connections are spearheaded by the CMIE at AIIMS, which breaks down silos between academia and industry to create unique learning opportunities and accelerate the translation of brilliant ideas into new therapies. The CMIE is among the first bio-incubators in a public hospital setting. It nurtures medical innovations, bridges academia and industry, and aligns with national missions such as Make-in-India, Start-up India, and the Atal Innovation Mission. CMIE currently incubates 26 start-ups, with 6 graduated ventures, and 5 in-house faculty-led innovations.

The MoH&FW signed a tripartite MoU with the Institute of Medical Sciences, Banaras Hindu University (IMS, BHU) and the Ministry of Education (MoE). Under the MoU, AIIMS Delhi will mentor IMS BHU in upgrading clinical infrastructure, research and postgraduate training. Further, the agreement envisions faculty and student exchanges, methodological cooperation in robotic surgery, hospital administration, governance, and shared academic-research ventures between AIIMS-New Delhi and IMS, BHU. The Union Health Minister, Shri JP Nadda Ji, described the pact as an embodiment of the 'whole-of-government' approach.

Artificial intelligence

Artificial intelligence presents an inflection point in history, and we are expanding its potential to drive discovery. The institute has committed more than Rs. 300 crore towards developing advanced digital infrastructure and integrating artificial-intelligence (AI) solutions to benefit basic, clinical and health service research. We have inaugurated a dedicated Centre of Excellence for Artificial Intelligence in Healthcare, which is expected to deliver AI-based tools for chest-X-ray evaluation, and early diabetic-retinopathy and skin-lesion identification.

AIIMS-New Delhi has entered into a MoU with Wipro GE Healthcare Pvt Ltd to establish an 'AI Health Innovations Hub' aimed at transforming diagnostic and treatment services through AI. The five-year collaboration aims at developing intelligent systems in cardiology, oncology and neurology, along with real-time patient-data tracking and advanced diagnostics. The initiative aligns with broader national goals of advancing digital health and positioning India as a leader in med-tech innovation, leveraging AI for predictive, personalised and preventive care.

The Department of Diagnostic and Interventional Onco-Radiology at BRAIRCH is deeply engaged in research across a range of fields including AI, machine learning, medical devices, and medical robotics.

Clinical innovation

AIIMS-New Delhi houses some of the greatest experts in health sciences in the country, who strive relentlessly in areas of medicine and the life sciences. Paediatric surgeons at AIIMS-New Delhi successfully conducted a minimally invasive (keyhole) surgical procedure to treat a rare case of pancreatic cancer in a child. The achievement highlights our surgeons' willingness to adopt state-of-the-art, child-appropriate surgical techniques, in complex cases. The Department of Otorhinolaryngology successfully conducted its first auditory brain stem implant. It is now among a group of select global institutions with such experience.

A team at AIIMS-New Delhi achieved a first-in-India (and eighth in the world) medical milestone by successfully performing intrauterine blood transfusions for a fetus suffering from severe anaemia due to a rare maternal–fetal blood-group incompatibility (anti-Rh17 antibody).

Our clinician-researchers have also initiated development of a novel, low-cost adaptive cellular therapy aimed at treating patients with multiple myeloma. The effort is part of AIIMS-New Delhi's broader strategy to promote indigenous innovation in oncology therapeutics.

The Department of Transplant Immunology & Immunogenetics has introduced prenatal diagnosis for primary immunodeficiencies using flow cytometry-based immunophenotyping. Early detection paves the way for timely genetic counselling, informed decision-making for families, and preparation for early interventions, where feasible.

Teaching and Learning

AIIMS-New Delhi was conceived as an institution of excellence in Medical Education and training and it embodies the hopes of a new India. We have stayed true to that vision. With its 9 centres and 43 stand-alone Departments, and a manpower of over 15,000, including over 800 faculty members, AIIMS-New Delhi trains medical undergraduates, graduates, specialists (MD/ MS/ MDS), super-specialists (DM/ MCh/ Fellows), PhD scholars and allied health and basic sciences experts,

including nurses and paramedical professionals. During the year, we enrolled about 1250 scholars in various graduate and postgraduate courses. The Institute also provided postgraduate exposure to about 550 short-term trainees.

AIIMS-New Delhi reaffirmed its position as India's top-ranked medical institution, maintaining the first rank among all medical colleges for the eighth consecutive year under the National Institutional Ranking Framework (NIRF). In recognition of its legacy, the institute has been designated the National Resource Centre for the National Medical College Network (NMCN), supporting over 100 medical colleges through the learning-management platform 'SAKSHAM'.

Rapid advances in health technology and precision medicine techniques require physicians of the future to engage with new models of care. Training at AIIMS involves traditional methods, enhanced mentorship and simulation-based learning. To support academic excellence, AIIMS-New Delhi is undergoing a digital transformation. We launched the AIIMS Digital Learning Hub last year, offering over 300 hours of curated content, virtual labs, and interactive case modules. We have also launched a state-of-the-art surgical robotics training facility for our resident doctors and faculty at the SET (Skills, e-learning, telemedicine) facility.

Contemporary medical education requires placing emphasis on professionalism, cultural humility, social awareness and leadership so that graduating students become capable and compassionate clinicians, scientists, and humanists. The Union Health Minister, Shri JP Nadda, in his convocation address exhorted those passing out of our portals by saying, "Your education at AIIMS has equipped you with not only the requisite knowledge and skills to excel in your chosen fields, but also the values of empathy, integrity, and service. These core values will serve as your guiding principles as you navigate the complexities of the medical profession and endeavour to make a positive impact on the lives of those you serve".

We continue to be the top choice of students not only for our cutting-edge facilities, superb faculty and exposure to vast patient inflow, but also for our eager embrace of latest technology like AI. The Institute offers world-class facilities that promote both professional and personal growth, like the central library (among the best in Asia), which offers access to thousands of medical journals, e-resources and research databases, dedicated reading zones and 24X7 digital access; and a students' wellness wing that supports scholars to thrive. Being a student at AIIMS-New Delhi is more than pursuing a degree, it is a transformative experience that equips doctors with the skills and confidence to become leaders in healthcare.

The KL Wig Centre for Medical Education and Technology (CMET) organized multiple in-house training programmes for various categories of staff members. In particular, it conducted faculty development programs in medical ethics, leadership, and pedagogy, strengthening our academic ecosystem.

AIIMS-New Delhi provides innovative learning opportunities to help professionals and other stakeholders develop their potential to shape the future of medicine and health care. We offered Continuing Professional Development education to thousands of clinician and science leaders working in healthcare fields to acquaint them with new trends in science and health care delivery. We organized/hosted over 260 workshops, symposia, conferences and training programmes in collaboration with various national and international agencies.

It is said that assessments decide education. AIIMS-New Delhi has developed a formidable reputation of rigour in conducting high-stakes examinations. We successfully conducted 123 examinations for over 11 lakh candidates last year. We have now implemented a landmark block chain system to securely record examination transactions, ensuring transparency and data integrity. AIIMS-New Delhi also led the Common Recruitment Examination 2024, a major national exercise for 28 AIIMS and central institutes, covering 712 posts across 66 groups, for over 4,600 vacancies.

Public Health and Community Building

AIIMS-New Delhi provides a discerning understanding of how to leverage the complex interaction of social, economic, and medical factors to improve health policy and enhance people's ability to participate in society in meaningful ways.

The Centre for Community Medicine provided technical support to national health programmes of ministry of health, Government of India through the National Centre of Excellence and Advanced Research on Anemia Control, WHO Collaborating Centre for capacity development and research in community-based NCD prevention and control, National Institute for HIV Sentinel Surveillance, Viral Hepatitis Control Programme, Innovation and Learning Centre for implementation of Comprehensive Primary Health Care, Cause of Death in India through SRS-based verbal autopsy, and Centre of Excellence for Air Pollution and Health.

The Department of Obstetrics and Gynaecology houses the WHO-Collaborating Centre (WHO-CC) for Research in Human Reproduction, and Cervical Cancer Prevention and Research. In the Department of Paediatrics, the Division of Neonatology is a WHO-CC for Training and Research, and the Division of Genetics is a WHO-CC for Training in Clinical and Laboratory Genetics for developing countries. AIIMS-New Delhi also houses the WHO-CC for Training and Research in Tuberculosis (Department of Medicine), Substance Abuse (NDDTC), Prevention of Blindness (RPCOS), Oral Health Promotion (CDER) and Emergency and Trauma Care (Department of Emergency Medicine).

The Ministry of Health and Family Welfare has designated the Centre for Dental Education and Research as the National Centre of Excellence for the Implementation of National Oral Health Program (NOHP). Currently, CDER is leading the National Oral Disease Burden Survey under the aegis of the Ministry of Health and Family Welfare. The Division of Neonatology of the Department of Pediatrics is leading the SANKALP program in Khargone district, Madhya Pradesh, which focuses on achieving a single-digit Neonatal Mortality Rate. This initiative serves as a demonstration model and is expected to generate critical evidence to guide national policy.

AIIMS-New Delhi and the Indian Coast Guard (ICG) have entered a MoU aimed at strengthening life-saving medical readiness in maritime operations. Under the agreement, we will provide structured and advanced training in cardiopulmonary resuscitation (CPR) and other emergency protocols to Coast Guard medical officers and personnel operating in challenging sea-based environments.

Awards and orations

Our community's accomplishments consistently earn recognition from India's most prestigious institutions. Dr Ashok Kumar Mahapatra, Former Professor of Neurosurgery, and Dr Neerja Bhatla, Former Professor of Obstetrics and Gynaecology at AIIMS-New Delhi, were awarded the Padma Shri for their contributions in the field of medicine this year.

The Shobha Seth Wenger' Distinguished Chair in Gynecologic Oncology under "Mira Seth Corpus Fund" was awarded to Dr. Sandeep Mathur, Professor of Pathology; and the Infosys Chair in Oncology was awarded to Dr. Sameer Bakhshi, Professor and Head, Department of Medical Oncology, BRAIRCH.

Major highlights of the 4th Annual Research Day Celebration were the Diamond Jubilee Oration titled 'The Miracles of Modern Medicine and the Future of Global Health - Lessons from a Career across Four Continents' delivered by Professor Shitij Kapur, Vice-Chancellor & President of King's College London; and the AIIMS Silver Jubilee Oration titled 'Medical Academia and People's Health' delivered by Dr. Yogesh Jain, co-founder of Sangwari-People Council for Equity and Health.

In conclusion

AIIMS-New Delhi has sincerely endeavoured to meet its mandate of assisting the Government of India in its efforts to provide quality and equitable healthcare to the Indian people through public-spirited scientific education, evidence-based, accessible and affordable service provision, and state-of the-art biomedical research.

It is a privilege to serve this prestigious institution and to work with so many dedicated and enterprising colleagues. I would like to thank our clinicians, who work tirelessly and bring not only skill but compassion to every bedside; our nurses and paramedics, whose quiet strength, vigilance, and empathy form the backbone of patient care; our researchers, who push the horizons of knowledge, often working behind the scenes to unlock tomorrow's breakthroughs; our administrators and technical teams, who ensure that systems run smoothly, resources are optimized, and every challenge is met with foresight and resolve; our sanitation workers, security personnel, and support staff, whose contributions often go unseen but are vital to the dignity, safety, and integrity of our environment. Together, they form our heartbeat - a rhythm of service, excellence, and humanity. Above all, let us honour our patients. Their courage in the face of illness, their trust in our care, and their resilience through adversity inspire us every day. They remind us why we chose this path, and why we must continue to walk it with humility and hope. We hope to carry forward this spirit of unity, compassion, and shared purpose. For it is not just the walls of this institution that define AIIMS—it is the people within it.

Considering our shared mission - to heal, to educate, to innovate, and to uplift, we renew our commitment to building a healthier, stronger, and more compassionate India.

M. Srinivas
Director

2. Institute Body

INSTITUTE BODY (w.e.f. 1.04.2024 to 31.3.2025)

1.	**Shri JP Nadda** Minister of Health & Family Welfare Nirman Bhawan, New Delhi-110011	President w.e.f. 23.08.2024 to till date **Vice Shri Mansukh Mandaviya** w.e.f. 28.04.2022 to 22.08.2024
2.	**Shri Surendra Singh Nagar, MP (Rajya Sabha)** 12, Talkatora Road, New Delhi-110001	Member w.e.f. 25.09.2024 to till date **Vice Dr Anil Jain** w.e.f. 06.12.2021 to 24.09.2024
3.	**Shri Harendra Malik, MP (Lok Sabha)** Western Court, Hostel Room No.18, 1st Floor 20, Janpath New Delhi-110001	Member w.e.f. 23.08.2024 to till date **Vice Shri Ramesh Bidhuri** w.e.f. 06.12.2021 to 22.08.2024
4.	**Ms Bansuri Swaraj, MP (Lok Sabha)** H-4 Dhawandeep Building, 6 Jantar Mantar Road Delhi-110001	Member w.e.f. 23.08.2024 to till date **Vice Shri Manoj Kumar Tiwari** w.e.f. 06.12.2021 to 22.08.2024
5.	**Dr K Vijay Raghvan** Former Principal Scientific Advisor	Member w.e.f. 6.12.2021 to till date
6.	**Shri Vineet Joshi** Secretary to the Govt. of India Department of Higher Education Ministry of Human Resource Development Shastri Bhawan, New Delhi-110001	Member w.e.f. 20.01.2025 to till date **Vice Shri K. Sanjay Murthy** w.e.f. 06.12.2021 to 19.01.2025
7.	**Dr Pranjal Modi** Vice Chancellor Gujarat University of Transplantation Sciences, Opp. Trauma Centre, Civil Hospital Campus, Asarwa, Ahmedabad-380016, Gujarat	Member w.e.f. 09.3.2022 to till date
8.	**Ms Punya Salila Srivastava** Secretary (H&FW) Govt. of India M/o Health & FW, Niman Bhawan, New Delhi-110011	Member w.e.f. 01.10.2024 to till date **Vice Shri Apurva Chandra** w.e.f. 01.01.2024 to 30.09.2024
9.	**Prof Yogesh Singh** Vice Chancellor University of Delhi, Delhi-110007	Member (Ex-Officio) (w.e.f. 6.12.2021 to till date)
10.	**Dr Atul Goel** Director General of Health Services Govt. of India Nirman Bhawan, New Delhi-110011	Member (Ex-Officio) w.e.f. 18.04.2022 to till date
11.	**Prof Vijay Kumar Shukla** Rector & Voice Chancellor Banaras Hindu University, Varanasi – 221005, U.P	Member w.e.f. 09.3.2022 to till date
12.	**Vacant** Former General Secretary, Indian Sciences Congress Association, (ISCA), Kolkata, West Bengal,	Member w.e.f..... to till date

13. Dr Kameshwar Prasad, H.No.224, Hauz Khas Apartment, Aurobindo Road, New Delhi-110016	Member w.e.f. 09.03.2022 to till date
14. Dr Prem Nair Medical Director, Amrita Institute of Medical Sciences, Elamakkara P.O., Kochi-682041, Kerala Nashik-422 004	Member w.e.f. 09.03.2022 to till date
15. Dr S Venkatesh Principal Advisor R.No.501, New Epidemiology Block, National Centre for Disease Control, 22, Sham Nath Marg, Delhi-110054	Member w.e.f. 06.12.2021 to till date
16. Shri Jaideep Kumar Mishra Addl. Secretary and Financial Adviser Govt. of India Ministry of Health & Family Welfare, Nirman Bhawan, New Delhi-110011	Member (w.e.f. 4.10.2022 to till date)
17. Prof M Srinivas Director, AIIMS	Member Secretary (w.e.f. 23.09.2022 to till date)

GOVERNING BODY (w.e.f. 1.04.2024 to 31.3.2025)

1. Shri JP Nadda	Chairman w.e.f. 23.08.2024 to till date **Vice Shri Mansukh Mandaviya** w.e.f. 28.04.2022 to 22.08.2024
2. Ms Bansuri Swaraj, MP (Lok Sabha)	Member w.e.f. 23.08.2024 to till date **Vice Shri Manoj Kumar Tiwari** w.e.f. 06.12.2021 to 22.08.2024
3. Ms Punya Salila Srivastava	Member w.e.f. 01.10.2024 to till date **Vice Shri Apurva Chandra** w.e.f. 01.01.2024 to 30.09.2024
4. Shri Vineet Joshi	Member w.e.f. 20.01.2025 till date **Vice Shri K. Sanjay Murthy** w.e.f. 06.12.2021 to 19.01.2025
5. Shri Jaideep Kumar Mishra	Member w.e.f. 04.10.2022 to till date
6. Dr Atul Goel	Member w.e.f. 28.4.2022 to till date
7. Dr Kameshwar Prasad	Member w.e.f. 28.4.2022 to till date
8. Dr Pranjal Modi	Member w.e.f. 28.04.2022 to till date
9. Prof Yogesh Singh	Member w.e.f. 28.4.2022 to till date
10. Prof Vijay Kumar Shukla	Member w.e.f. 28.4.2022 to till date
11. Prof M Srinivas Director, AIIMS	Member Secretary w.e.f. 23.9.2022 to till date

FINANCE COMMITTEE (w.e.f. 1.04.2024 to 31.3.2025)

1. Ms Punya Salila Srivastava	Chairperson w.e.f. 01.10.2024 to till date **Vice Shri Apurva Chandra** w.e.f. 01.01.2024 to 30.09.2024
2. Shri Surendra Singh Nagar, MP (Rajya Sabha)	Member w.e.f. 25.09.2024 to till date **Vice Dr. Anil Jain** w.e.f. 06.12.2021 to 24.09.2024
3. Shri Vineet Joshi	Member w.e.f. 20.01.2025 till date **Vice Shri K. Sanjay Murthy** w.e.f. 06.12.2021 to 19.01.2025
4. Dr. Atul Goel	Member w.e.f. 25.2.2022 to till date
5. Shri Jaideep Kumar Mishra	Member w.e.f. 4.10.2022 to till date
6. Dr K Vijay Raghvan	Member w.e.f. 06.12.2021 to till date
7. Dr Pranjal Modi	Member w.e.f. 04.4.2022 to till date
8. Prof M Srinivas Director, AIIMS	Member Secretary w.e.f. 23.9.22 to till date

Standing Academic Committee (w.e.f. 1.04.2024 to 31.3.2025)

1. Dr Pranjal Modi	Chairman w.e.f. 28.4.2022 till date
2. Dr Atul Goel	Member w.e.f 28.4.2022 to till date
3. Prf Yogesh Singh	Member w.e.f 28.4.2022 to till date
4. Shri Jaideep Kumar Mishra	Member w.e.f.4.10.2022 to till date
5. Prof Vijay Kumar Shukla	Member w.e.f. 28.4.2022
6. Dr Prem Nair	Member w.e.f. 28.4.2022
7. Shri Vineet Joshi	Member
8. Prof M Srinivas Director, AIIMS	Member Secretary w.e.f. 23.9.22 to till date

Standing Estate Committee (w.e.f. 1.04.2024 to 31.3.2025)

1. Shri Surendra Singh Nagar, MP (Rajya Sabha)	Chairman w.e.f. 25.09.2024 to till date **Vice Dr. Anil Jain** w.e.f. 06.12.2021 to 24.09.2024
2. Ms. Bansuri Swaraj, MP (Lok Sabha)	Member w.e.f. 23.08.2024 to till date **Vice Shri Manoj Kumar Tiwari** w.e.f. 06.12.2021 to 22.08.2024

3. Dr Atul Goel	Member w.e.f.28.4.2022 to till date
5. Prof Yogesh Singh	Member w.e.f.28.4.2022 to till date
6. Shri Jaideep Kumar Mishra	Member w.e.f.4.10.2022 to till date
7. Prof Vijay Kumar Shukla	Member w.e.f. 28.4.2022
8. Prof M Srinivas Director, AIIMS	Member Secretary w.e.f. 23.9.22 to till date

Standing Hospital Affairs (w.e.f. 1.04.2024 to 31.3.2025)

1. Shri Surendra Singh Nagar, MP (Rajya Sabha)	Chairman w.e.f. 25.09.2024 to till date **Vice Dr. Anil Jain** w.e.f. 06.12.2021 to 24.09.2024
2. Shri Harendra Malik, MP (Lok Sabha)	Member w.e.f. 23.08.2024 to till date **Vice Shri Ramesh Bidhuri** w.e.f. 06.12.2021 to 22.08.2024
3. Dr K Vijay Raghvan	Member w.e.f. 28.4.2022 to till date
4. Dr Atul Goel	Member w.e.f. 28.4.2022 to till date
5. Dr S Venkatesh	Member w.e.f. 28.4.2022 to till date
6. Dr Kameshwar Prasad	Member w.e.f. 28.4.2022 to till date
7. Prof Yogesh Singh	Member w.e.f. 28.4.2022 to till date
8. Prof M Srinivas Director, AIIMS	Member Secretary w.e.f. 23.9.22 to till date

Selection Committee (w.e.f. 1.04.2024 to 31.3.2025)

1. Dr Kameshwar Prasad	Chairman w.e.f. 28.4.2022 to till date
2. Dr Atul Goel	Member w.e.f. 28.4.2022 to till date
3. Prof Vijay Kumar Shukla	Member w.e.f. 28.4.2022 to till date
4. Dr S Venkatesh	Member w.e.f. 28.4.2021 to till date
5. Prof Yogesh Singh	Member w.e.f. 28.4.2022 to till date
6. Dr K Vijay Raghvan	Member w.e.f. 28.4.2022 to till date
7. Dr Prem Nair	Member w.e.f. 28.4.2022 to till date
8. Prof M Srinivas Director, AIIMS	Member Secretary w.e.f. 23.9.22 to till date

3. Academic Section

Dean (Acad)

KK Verma

Associate Dean (Acad)

Rakesh Lodha

Registrar

Girija Prasad Rath

Mission Statement:

To ensure excellence in medical education through effective academic governance, policy formulation, and coordinated implementation of undergraduate, postgraduate, and doctoral programmes in medical, dental, nursing and Allied & Healthcare Courses in alignment with the institutional vision of AIIMS, New Delhi.

Admissions in various courses over the past three years

S.No.	Name of course	2024-25	2023-24	2022-23
1.	MSc/MBiotech/MSc Nursing (August)*	103	105	106
2.	MD/MS/MDS/M.Ch/DM (Direct 6 yrs)	480	440	295
3.	DM/MCh	222	238	189
4.	PhD	93	57	57
5.	Fellowship	36	48	37
6.	MBBS*	132	132	132
7.	B. Sc Nursing (Post-Basic)*	31	36	31
8.	B. Sc (Hons.) Nursing*	95	95	94
9.	Allied & Healthcare courses*	52	53	34
	Total	**1244**	**1204**	**975**

*Admissions are done once in a year for UG and M.Sc. Courses, however for other courses admissions are done twice a year in Jan and July.

UNDERGRADUATE EDUCATION

The section handles post-admission formalities for new students, develops and revises curricula and administers teaching programmes including internal assessment of undergraduate students admitted to various courses. The courses include MBBS, Bachelor Medical Radiology and Imaging Technology, Ophthalmic Techniques, Operation Theatre Technology, BSc Dental Hygiene, BSc Dental Operating Room Assistant (DORA), BSc Nursing (Post-Basic) and BSc (Hons.) Nursing courses.

Bachelor of Medicine and Bachelor of Surgery (MBBS)

The pattern of education in MBBS course was reviewed and re-structured in July 2004. The MBBS course is of 5½ years duration and comprises of 3 phases and internship. The details are as follows:-

Phase	Duration (years)	Training
First	One	Pre-clinical
Second	One-and-a-half	Para-clinical
Third	Two	Clinical
Internship	One	Compulsory rotation in various departments

At present, 132 students are admitted every year to the MBBS course (45 General Category, 36 Other Backward Classes, 15 EWS Category, 20 Scheduled Caste, 9 Scheduled Tribe and 7 Foreign National). For persons with disabilities (PWD), 5% reservation was provided on a horizontal basis. No reservation shall be applicable for Foreign National students. From 2021, these admissions are made based on merit through the National Eligibility Entrance Test (NEET) conducted by the National Testing Agency.

As on 31st March 2025, 675 MBBS students including 126 interns were on rolls. Nine meritorious MBBS students were awarded scholarships for securing first, second and third positions in the first, second and final phase of professional examinations.

Allied & Healthcare Courses and Nursing Education

In 2024–2025, 95 students (38 General Category, 10 EWS Category, 14 Scheduled Caste, 7 Scheduled Tribe and 26 Other Backward Classes) were admitted in B. Sc (Hons) Nursing course. For B.Sc Nursing (Post-Basic) course, 31 students (15 General Category, 5 Scheduled Caste, 2 Scheduled Tribe, 9 Other Backward Classes) were admitted.

Students admitted to various B. Sc. courses were as below:

Bachelor Courses	General	SC	ST	OBC	EWS	Foreign	TOTAL
Ophthalmic Techniques	13	2	-	5	1		21
Medical Radiology and Imaging Technology	4	2	-	3	1	---	10
Operation Theatre Technology	8	3	2	3	2	---	18
Dental Hygiene	1	--	---	--	--	---	1
Dental Operating Room Assistant	1	--	--	1	--	---	2

The number of students on rolls in these courses as on 31stMarch 2025 were as below:

Course	Number of Students
Nursing	
B. Sc. Nursing (Post-basic)	59
B. Sc. (Hons) Nursing	337
Allied & Healthcare Courses	
Bachelor of Ophthalmic Techniques	79
Bachelor Medical Radiology and Imaging Technology	39
B.Sc. Operation Theatre Technology	48
B. Sc. Dental Hygiene	04
B.Sc. Dental Operating Room Assistant	02

POSTGRADUATE EDUCATION

The Academic Section looks after all activities pertaining to admission and training of postgraduate students including junior and senior residents. It handles all activities related to Fellowship, PhD, DM, M.Ch, MD, MS, MDS, MCh/DM (Direct 6 yrs. Course), M Biotechnology (M. Biotech) and MSc courses in different disciplines.

Admissions to all postgraduate courses for Indian nationals as well as sponsored candidates are made through an All-India Entrance Examination held twice a year for all postgraduate courses except MSc, MSc Nursing and M. Biotechnology courses, for which the examination is held once a year. Foreign nationals are admitted under the sponsored category through the same entrance examination. In 2024–25, 1244 students were admitted in various courses. The details are as given below:-

Admissions in various courses

S.No.	Name of course	January 2025	July 2024	Total
1.	MSc/MBiotech/MSc Nursing (August)*	103	--	103
2.	MD/MS/MDS/M.Ch/DM (Direct 6 yrs)	234	246	480
3.	DM/MCh	102	120	222
4.	PhD	93	--	93
5.	Fellowship	16	20	36
6.	MBBS*	132	--	132

7.	B. Sc Nursing (Post-Basic)*	31	--	31
8.	B. Sc (Hons.) Nursing*	95	--	95
9.	Allied & Healthcare courses*	52	--	52
	Total	**858**	**386**	**1244**

*Admissions are done once in a year.

Postgraduate students on rolls

S.No.	Name of course	Number of students on roll
1.	PhD	353
2.	DM	403
3.	MCh	213
4.	Fellowship programme	49
5.	MD	849
5.	MS	119
6.	MDS	58
7.	MSc/MBiotech/MSc Nursing	189
	Total	**2233**

Subject-wise distribution of PhD students on rolls

S. No.	Subject	Open	Sponsored
1.	Anatomy	17	--
2.	Biochemistry	35	---
3.	Biophysics	37	---
4.	Biotechnology	24	--
5.	Cardiac Biochemistry (CNC)	05	
6.	Cardiology	02	--
7.	Centre for Community Medicine	06	2
8.	Clinical Neuropsychology	03	--
9.	Community Ophthalmology (Dr RPCOS)	01	
10.	Dermatology & Venereology	02	1
11.	Forensic Medicine & Toxicology	04	--
12.	Gastroenterology and Human Nutrition	05	---
13.	Haematology	01	--
14.	Laboratory Medicine	05	--
15.	Laboratory Medicine (JPNATC)	01	---
16.	Laboratory Oncology	07	---
17.	Medical Oncology (Dr BRA IRCH)	23	---
18.	Medical Physics (Dr BRA IRCH)	02	---
19.	Microbiology	08	---
20.	Medicine	07	1
21.	National Drug Dependence Treatment Centre (NDDTC)	06	---
22.	Neuro-pathology (NSC)	06	--
23.	Neurology (NSC)	12	---
24.	Neurosurgery (NSC)	01	
25.	Nuclear Magnetic Resonance	09	
26.	Nuclear Medicine	02	---
27.	Oral Medicine & Radiology (CDER)	03	---
28	Oral Pathology & Microbiology (CDER)	04	----

29.	Obstetrics &Gynaecology	01	--
30.	Ophthalmology (Dr. RPCOS)	04	--
31.	Ocular Biochemistry (Dr. RPCOS)	03	--
32.	Ocular Pathology (Dr. RPCOS)	02	---
33.	Ocular Pharmacology (Dr. RPCOS)	03	----
34.	Pediatric Surgery	01	1
35.	Pediatrics	06	---
36.	Pathology	17	--
37.	Pharmacology	11	---
38.	Physiology	23	---
39.	Plastic Reconstructive & Burns Surgery	01	---
40.	Preventive Oncology (Dr. BRAIRCH)	01	---
41.	Preventive Oncology (NCI, Jhajjar)	03	---
42.	Psychiatry	11	--
43.	Radiation Oncology	---	1
44.	Pulmonary Medicine and Sleep Disorders	03	---
45.	Reproductive Biology	14	----
46.	Stem Cell	03	---
47.	Surgery	---	
48.	Surgery (JPNATC)	01	---
49.	TII	01	---
	TOTAL	**347**	**6**

Subject-wise distribution of DM students on rolls

S.N	DM	Open	Sponsored
1.	Addiction Psychiatry	12	1
2.	Psychosomatic Medicine	1	0
3.	Cardiac Surgical Intensive Care	7	0
4.	Cardiac Anaesthesia and Critical Care	13	1
5.	Cardiology	22	0
6.	Clinical Haematology	11	3
7.	Clinical Pharmacology	2	0
8.	Critical Care Medicine	24	2
9.	Endocrinology	8	3
10.	Gastroenterology	22	1
11.	Haemato-Pathology	8	3
12.	Medicine & Microbiology	8	0
13.	Medical Genetics	8	0
14.	Medical Oncology	28	3
15.	Neonatology	9	1
16.	Nephrology	13	0
17.	Neuro-Anaesthesiology and Neurocritical Care	18	2
18.	Neurology	35	2
19.	Neuroimaging and Interventional Neuroradiology	6	0
20.	Onco-Anaesthesia	22	0
21.	Paediatric Cardiology	5	0

22.	Paediatric Endocrinology	4	2
23.	Paediatric Nephrology	4	1
24.	Paediatric Neurology	9	2
25.	Paediatric Pulmonology and Intensive Care	4	3
26.	Paediatric Oncology	14	1
27.	Pulmonary, Critical Care and Sleep Medicine	12	0
28	Reproductive Medicine	6	3
29.	Therapeutic Medicine	8	0
30.	Cardiovascular Radiology & Endovascular Interventions	6	2
	Total	**349**	**36**

Subject-wise distribution of DM/M.Ch (6 years course) on rolls

S. No.	D. M	Open	Sponsored
1	Infectious Diseases	18	0
	Total	**18**	**0**

Subject-wise distribution of M. Ch on rolls as on 31. 3. 2025

S. No.	Subject	Open	Sponsored
1	Breast, Endocrine and General Surgery	8	0
2	Cardiothoracic and Vascular Surgery	29	0
3	Gastrointestinal Surgery	13	3
4	Gynaecologic Oncology	12	1
5	Head-Neck Surgery and Oncology	11	3
6	Minimal Access Surgery and General Surgery	16	2
7	Neurosurgery	17	2
8	Paediatric Surgery	6	1
9	Plastic and Reconstructive Surgery	18	3
10	Surgical Oncology	15	2
11	Trauma Surgery and Critical Care	14	3
12	Urology	17	2
	Total	**176**	**22**

Subject-wise distribution of MCh (6 years course) on rolls

S. No.	MCh	Open	Sponsored
1.	Neurosurgery	10	--
2.	Paediatric Surgery	5	--
	Total	**15**	---

Subject-wise Distribution of Fellowship Students on Rolls

Sl. No.	Specialty	General	Sponsored
1.	Pain Medicine	7	1
2.	Paediatric Cardiac Anaesthesia	1	–
3.	Part-time Clinical Research Methodology & Evidence-based Medicine	1	–
4.	Skull Base Surgery	1	–
5.	Advanced Gastrointestinal Endoscopy	2	–
6.	Pancreatology	1	–

7.	Inflammatory Bowel Diseases	2	–
8.	Hepatology	2	–
9.	Bone Marrow Transplantation	1	–
10.	Neuro-Critical Care	1	–
11.	Skull Base & Cerebrovascular Surgery	1	–
12.	Epilepsy Surgery & Functional Neurosurgery	2	–
13.	Spine Surgery	2	–
14.	Uro-Gynaecology	4	–
15.	Maternal Fetal Medicine (MFM)	1	1
16.	Minimally Invasive Gynaecological Surgery	2	–
17.	Arthroscopy	2	–
18.	Joint Replacement	1	–
19.	Pelvic–Acetabular Trauma	2	–
20.	Musculoskeletal Oncology	1	–
21.	Cleft & Craniofacial Orthodontics	1	–
22.	Diagnostic & Interventional G.I. Radiology	2	–
23.	Diagnostic & Interventional Paediatric Radiology	2	–
24.	Bariatric & Metabolic Surgery	1	–
25.	Minimally Invasive Urology (Laparoscopic & Robotic)	1	–
26.	Uro-Oncology	1	–
27.	Neuroimmunology	1	–
28	Stroke	1	–
Total No.		**47**	**2**

Subject-wise distribution of MD/MS/MDS students on roll

Sl. No.	MD	Open	Sponsored
1.	Anaesthesiology	90	3
2.	Anatomy	18	--
3.	Biochemistry	15	--
4.	Biophysics	16	--
5.	Community Medicine	29	3
6.	Conservative Dentistry and Endodontics	11	1
7.	Dermatology and Venereology	23	3
8.	Emergency Medicine	41	3
9.	Forensic Medicine	11	--
10.	Geriatric Medicine	21	3
11.	Hospital Administration	11	1
12.	Laboratory Medicine	11	--
13.	Medicine	66	3
14.	Microbiology	16	--
15.	Nuclear Medicine	21	3
16.	Obstetrics and Gynaecology	51	3
17.	Ophthalmology	83	2
18.	Oral and Maxillofacial Surgery	11	1
19.	Orthodontics	11	3

20.	Orthopaedics	21	3
21.	Otorhinolaryngology (ENT)	25	3
22.	Paediatrics	41	3
23.	Palliative Medicine	17	1
24.	Pathology	34	1
25.	Pedodontics and Preventive Dentistry	11	--
26.	Pharmacology	17	--
27.	Physical Medicine and Rehabilitation	11	2
28.	Physiology	20	--
29.	Prosthodontics	8	1
30.	Psychiatry	38	3
31.	Radiodiagnosis	36	3
32.	Radiotherapy	16	2
33.	Surgery	74	3
34.	Transfusion Medicine	8	--
	Total	**933**	**57**

Subject-wise distribution of M.Sc. students on rolls

S. No.	MSc	Open	Sponsored
1.	Anatomy	10	--
2.	Biochemistry	13	--
3.	Biophysics	9	--
4.	Pharmacology	8	---
5.	Physiology	12	---
6.	Biotechnology	35	--
7.	Nuclear Medicine Technology	25	--
8.	Reproductive Biology	12	---
9.	Cardio Vascular Imaging and Endovascular Technology	6	---
	Total	**130**	**00**

Subject-wise distribution of MSc (Nursing) students on rolls

S. No.	MSc (Nursing)	Open	In-service candidate/F.N
1.	Cardiological/CTVS Nursing	8	2
2.	Neurosciences Nursing	8	2
3.	Paediatric Nursing	5	2
4.	Psychiatric Nursing	5	2
5.	Oncological Nursing	7	2
6.	Nephrological Nursing	7	2
7.	Critical Care Nursing	5	2
	Total	**45**	**14**

TRAINING PROGRAMMES

There is a provision for short term, long term and elective training for students and employees of various organizations in India as well as abroad. During 2024-25, 449 persons underwent training from 1. 4. 2024 to 31.3.2025. The details of training programme is as given below:-

S. No.	Training	Number of trainees
1.	Short Term training: Indian nationals	365
2.	Short Term training: Foreign nationals	23
3.	Long Term training: Indian nationals	06
4.	Elective Training: Foreign nationals (UG students)	55
5.	WHO Fellows: Indian nationals	---
6.	WHO Fellows: Foreign nationals	---
7.	Permission for organizing Conferences/Workshops	261

COMMITTEE MEETINGS

During the year 2024-25, Academic Section organized meetings of the Academic committee, Staff Council, Dean's Committee, Faculty and Research Presentations as per details given below:

S. No.	Committee	Number of Meetings
1.	Academic Committee	02
2.	Staff Council	02
3.	Dean's Committee	02
4.	Faculty (General Discussions)	07
5.	Oration	9

Glimpses of 49th Convocation

The 49th Convocation of AIIMS, New Delhi was conducted in accordance with the newly introduced biannual convocation framework. The ceremony was held outside the AIIMS premises for the first time, with the Academic Section functioning as the nodal coordinating authority for all academic, administrative, and ceremonial arrangements.

The Convocation was held in March at Bharat Mandapam, Pragati Maidan, New Delhi, Chief Guest was Hon'ble President of India, Smt. Droupadi Murmu and was presided by the Hon'ble Health Minister & President of AIIMS, New Delhi, Shri Jagat Prakash Nadda.





Details of Degrees and Awards Distributed

No. of Convocation	Date	No. of Degrees Distributed	No. of Life Time Achievement Award	No. of Medals	No. of Book Prizes
49th Convocation	21.03.2025	1897	08	18	60



Life Time Achievement Awardees

Sr. No.	Name of the Awardee	Department
1.	Dr. Ramesh Bijlani	Department of Physiology
2.	Dr. H.L. Kaul	Department of Anaesthesiology
3.	Dr. Anand N. Malaviya	Department of Medicine
4.	Dr. Dilip K. Mitra	Department of Paediatric Surgery
5.	Dr. Rajat Ray	Department of Psychiatry, NDDTC
6.	Dr. Surinder Singh Saini	Department of Neuroanaesthesia and Neurocritical Care
7.	Dr. Kusum Verma	Department of Pathology
8.	Dr. Surender Nath Wadhwa	Department of Urology



LIST OF AWARDEES – 49th ANNUAL CONVOCATION (2023)

Sr. No.	Name of Award	Name of Awardee(s)
1.	Institute Medal for the Best Graduate (MBBS) – 2023	Shuvrajyoti Mondal
2.	Dr. Satyanand Medal – 2023 (Psychiatry)	Abhinav Agrawal
3.	Delhi Medical Association Medal – 2023 (Best All-Rounder MBBS Student)	Shuvrajyoti Mondal
4.	Sardari Lal Kalra Medal – 2023 (Microbiology)	Shubham Agarwal
5.	Dr. D.C. Bhutani Medal – 2023 (Ophthalmology)	Aryan Bansal; Shuvrajyoti Mondal

6.	Dr. B.S. Narang Medal – 2023 (Biochemistry)	Debankita Bera
7.	Dr. Kamal Buckshee Medal – 2023 (Obst. & Gynae.)	Chetanya Mittal
8.	B.Sc. (H) Nursing – Clinical Subject Topper – 2023	Rituparna Debnath
9.	B.Sc. (H) Nursing – Pre & Para Clinical Subject Topper – 2023	Tanya
10.	Mrs. Pramda Bajaj Book Prize – 2023 (Community Health Nursing)	Tanya
11.	Shri Madhav Das Bijlani Book Prize – 2023 (Anatomy & Physiology)	Km. Niharika
12.	Dr. N.G. Gadekar Book Prize – 2023 (Nursing)	Rituparna Debnath
13.	Sorel Catherine Freymann Book Prize – 2023 (Paediatrics)	Shuvrajyoti Mondal
14.	Institute Book Prize – B.Sc. Nursing (Post Basic) – 2023	Teejamol Thomas
15.	Sir Dorabji Tata Book Prize – 2023 (Biochemistry)	Hrishikesh Nagbhushan Gangule
16.	New Zealand High Commissioner's Book Prize – 2023 (CCM)	Dr. Chetanya Mittal
17.	Institute Book Prize – 2023 (Anatomy)	Debankita Bera; Hrishikesh Nagbhushan Gangule
18.	Institute Book Prize – 2023 (Physiology)	Debankita Bera
19.	Institute Book Prize – 2023 (Biochemistry)	Debankita Bera
20.	Institute Book Prize – 2023 (Microbiology)	Gowrishankar S
21.	Institute Book Prize – 2023 (Pathology)	Shubham Agarwal
22.	Institute Book Prize – 2023 (Pharmacology)	Gowrishankar S
23.	Institute Book Prize – 2023 (Forensic Medicine)	Gowrishankar S
24.	Institute Book Prize – 2023 (Medicine)	Shuvrajyoti Mondal
25.	Institute Book Prize – 2023 (Paediatrics)	Chetanya Mittal; Abhinav Agrawal
26.	Institute Book Prize – 2023 (Obst. & Gynae.)	Dr. Chetanya Mittal
27.	Institute Book Prize – 2023 (Surgery)	Shuvrajyoti Mondal
28.	Institute Book Prize – 2023 (Community Medicine)	Dr. Chetanya Mittal
29.	Appreciation Certificate – 1st Prof. MBBS (July 2023) – 1st Rank	Debankita Bera
30.	Appreciation Certificate – 1st Prof. MBBS (July 2023) – 2nd Rank	Anuska Mandal
31.	Appreciation Certificate – 1st Prof. MBBS (July 2023) – 3rd Rank	Hrishikesh Nagbhushan Gangule
32.	Appreciation Certificate – 2nd Prof. MBBS (Dec 2023) – 1st Rank	Gowrishankar S
33.	Appreciation Certificate – 2nd Prof. MBBS (Dec 2023) – 2nd Rank	Shubham Agarwal
34.	Appreciation Certificate – 2nd Prof. MBBS (Dec 2023) – 3rd Rank	Meghan H.K.
35.	Appreciation Certificate – Final Prof. MBBS (Dec 2023) – 1st Rank	Chetanya Mittal
36.	Appreciation Certificate – Final Prof. MBBS (Dec 2023) – 2nd Rank	Shuvrajyoti Mondal
37.	Appreciation Certificate – Final Prof. MBBS (Dec 2023) – 3rd Rank	Abhinav Agarwal

LIST OF AWARDEES – 49th ANNUAL CONVOCATION (2024)

Sr. No.	Name of Award	Name of Awardee(s)
1.	Institute Medal for the Best Graduate (MBBS) – 2024	Chinmayi Kothari
2.	Dr. Satyanand Medal – 2024 (Psychiatry)	Ajinkya Deepak Naik
3.	Delhi Medical Association Medal – 2024 (Best All-Rounder MBBS Student)	Chinmayi Kothari
4.	Sardari Lal Kalra Medal – 2024 (Microbiology)	Debankita Bera
5.	Dr. D.C. Bhutani Medal – 2024 (Ophthalmology)	Shobhit Tyagi
6.	Dr. B.S. Narang Medal – 2024 (Biochemistry)	Dhruv Advani
7.	Dr. Kamal Buckshee Medal – 2024 (Obst. & Gynae.)	V. Jayashimman
8.	B.Sc. (H) Nursing – Clinical Subject Topper – 2024	Riya Choudhary

9.	B.Sc. (H) Nursing – Pre & Para Clinical Subject Topper – 2024	Sonia
10.	Mrs. Pramda Bajaj Book Prize – 2024 (Community Health Nursing)	Theresa Joseph
11.	Shri Madhav Das Bijlani Book Prize – 2024 (Anatomy & Physiology)	Riya Choudhary
12.	Dr. N.G. Gadekar Book Prize – 2024 (Nursing)	Riya Choudhary
13.	Sorel Catherine Freymann Book Prize – 2024 (Paediatrics)	Ajinkya Deepak Naik
14.	Institute Book Prize – B.Sc. Nursing (Post Basic) – 2024	Anshikha
15.	Sir Dorabji Tata Book Prize – 2024 (Biochemistry)	Shriniketh Ravi
16.	New Zealand High Commissioner's Book Prize – 2024 (CCM)	Gaurav Prakash
17.	Institute Book Prize – 2024 (Anatomy)	Dhruv Advani
18.	Institute Book Prize – 2024 (Physiology)	Dhruv Advani
19.	Institute Book Prize – 2024 (Biochemistry)	Dhruv Advani
20.	Institute Book Prize – 2024 (Microbiology)	Anuska Mandal
21.	Institute Book Prize – 2024 (Pathology)	Hrishikesh Nagbhushan Gangule
22.	Institute Book Prize – 2024 (Pharmacology)	Hrishikesh Nagbhushan Gangule
23.	Institute Book Prize – 2024 (Forensic Medicine)	Debankita Bera
24.	Institute Book Prize – 2024 (Medicine)	Chinmayi Kothari
25.	Institute Book Prize – 2024 (Paediatrics)	Durgam Yashwant; Fathima Shahama O.V.
26.	Institute Book Prize – 2024 (Obst. & Gynae.)	V. Jayashimman
27.	Institute Book Prize – 2024 (Surgery)	Shobhit Tyagi
28.	Institute Book Prize – 2024 (Community Medicine)	Gaurav Prakash
29.	Appreciation Certificate – 1st Prof. MBBS (July 2024) – 1st Rank	Dhruv Advani
30.	Appreciation Certificate – 1st Prof. MBBS (July 2024) – 2nd Rank	Gauri Gupta
31.	Appreciation Certificate – 1st Prof. MBBS (July 2024) – 3rd Rank	Vrinda Bhatia
32.	Appreciation Certificate – 2nd Prof. MBBS (Dec 2024) – 1st Rank	Hrishikesh Nagbhushan Gangule
33.	Appreciation Certificate – 2nd Prof. MBBS (Dec 2024) – 2nd Rank	Anuska Mandal
34.	Appreciation Certificate – 2nd Prof. MBBS (Dec 2024) – 3rd Rank	Debankita Bera
35.	Appreciation Certificate – Final Prof. MBBS (Dec 2024) – 1st Rank	Chinmayi Kothari
36.	Appreciation Certificate – Final Prof. MBBS (Dec 2024) – 2nd Rank	Akanksha Singh
37.	Appreciation Certificate – Final Prof. MBBS (Dec 2024) – 3rd Rank	Gaurav Prakash



Glimpses of AIIMS 69th Foundation Day

The Academic Section is entrusted with the responsibility of organizing the Foundation Day of the Institute, which is celebrated annually on 25th September. During the year under report, the 69th Foundation Day of AIIMS was celebrated with due academic and institutional significance.

The event was graced by Shri Jadhav Prataprao Ganpatrao, Hon'ble Minister of State, Ministry of Health and Family Welfare, with independent charge of the Ministry of AYUSH, as the Chief Guest, and Prof. Vinod K. Paul, Hon'ble Member, NITI Aayog, as the Guest of Honour. The major highlight of the programme was the AIIMS Golden Jubilee Oration delivered by Dr. N. Kalaiselvi, Director General, CSIR, and Secretary, DSIR, Ministry of Science & Technology, Government of India.

The programme also included the distribution of awards and a three-day exhibition on the theme "Innovations in Health Care and Medical Education", showcasing the academic, research, and healthcare initiatives of the Institute, organized in coordination with CMETi. In the evening, cultural activities were organized in coordination with the Cultural Committee. The Academic Section ensured seamless coordination of all academic, ceremonial, and logistical arrangements associated with the event.



LIST OF AWARDEES–MEDALS/BOOK PRIZES FOR 69th INSTITUTE FOUNDATION DAY CELEBRATION

S.No.	NAME OF THE MEDAL/BOOK PRIZE AWARD	NAME OF THE AWARDEE
1.	Shri Mohan Lal Wig Medal-2023 for Clinical Research.	Dr. Kanu Priya Bhatia
2.	Dr. B.K. Anand Medal-2023 for best postgraduate student in Physiology.	Dr. Kavita Yadav
3.	Dr. Bodhraj Sabharwal Medal-2023 for best postgraduate in Ophthalmology.	Dr. Antriksh Wahi
4.	Sanjivni Medal-2023 for best postgraduate student in Anaesthesiology.	Dr. Yalla Bharat
5.	Dr. Atm Prakash Medal-2023 for best MBBS (Intern) in Surgery.	Dr. Ayushi Bansal
6.	Dr. Shyam Sharma Medal-2023 for best postgraduate student in Radiology.	Dr. Srinivas S.M.
7.	Dr. Jagdish Lal Kapila Medal-2023 for best DM student in Cardiology.	Dr. Manjit Mahendran
8.	Dr. O.P. Ghai Medal-2023 for best Senior Resident in the Department of Paediatrics	Dr. Kritika Setlur
9.	Dr. N.C. Nayak Medal-2022 in Pathology for the best Senior Resident.	Dr. Anju G.S.
10.	Dr. N.C. Nayak Medal-2023 in Pathology for the best Senior Resident.	Dr. Shraddhanjali Satapathy

11.	Prof. H.D. Tandon Medal-2023 in Pathology for best undergraduate student.	Mr. Pankaj Kumar
12.	Smt. Shakuntala Jolly Medal-2023 to the best DM Medical Oncology student. He has also awarded	Dr. Akhil P Santhosh
13.	Mrs. Geeta Mittal Medal & Book Prize-2023 for Clinical Research	Dr. Akhil P Santhosh
14.	Dr. V. Ramalingaswami Medal-2023 for best Junior Resident in Pathology.	Dr. Ria Mahendru
15.	Mrs. Geeta Mittal Medal & Book Prize-2023 for Basic Research	Dr. Divya Mohan
16.	Smt. Kirpal Kaur Medal-2023 for best House Physician.	Dr. Sankeerth Sadananda
17.	Col. G.C. Tandon Medal-2023 for best postgraduate student in Anaesthesiology.	Dr. Vishnu Narayanan M. R.
18.	Prof. V. Hingorani Medal-2023 for best clinical resident in Obstetrics & Gynaecology She has also awarded	Dr. Shagun Kapoor
19.	Smt. Leelawati Salwan Book Prize Award-2023 in Obst. & Gynaecology for the best Junior Resident for an Outstanding Research.	Dr. Shagun Kapoor
20.	Dr. S.V. Talekar Medal-2023 for best postgraduate student in Biophysics	Dr. Lakshay Malhotra
21.	Dr. S.S. Sidhu Medal-2023 in Dental Surgery for best postgraduate student.	Dr. Sehrish Khan
22.	Dr. S.S. Sidhu Medal-2023 in Dental Surgery for best postgraduate student.	Dr. Shilpa Verma
23.	Hira Lal Medal-2023 in Surgery for the best postgraduate student	Dr. Mandli Bhanu Pradeep Yadav
24.	Prof. V. Ramalingaswami Book Prize Award-2023 to the best intern at the Rural Health Centre, Ballabgarh.	Dr. Binay Kumar
25.	Dr. MMS Ahuja Book Prize Award-2023 for best DM student in Endocrinology	Dr. Shreya Sharma
26.	Manohar Lal Soni Book Prize Award-2023 to the best DM Neurology student.	Dr. Baikuntha Panigrahi
27.	Dr. Rakesh Tandon Book Prize Award-2023 to the best DM Gastroenterology student.	Dr. Sagnik Biswas
28.	Sorel Catherine Freymann Book Prize Award-2023 in Paediatrics for the best postgraduate student.	Dr. Pavneet Kaur
29.	Kamini Charity Trust Book Prize-2023 Award in Otorhynolaryngology for best MS (ENT) student.	Dr. A Maheshkumar
30.	AIIMSONIANS of America Book Prize Award-2023 for Best Nurse.	Mukesh Kumar
31.	AIIMSONIANS of America Book Prize Award-2023 for Best Nurse in Community Care Nursing.	Poonam Sinha

Academic Teaching YouTube Activities: CCR, CGR & CPC
YouTube Channel Name: Conducted by Academic Section in coordination with AIIMS Telemedicine
Period from 01-04-2024 to 31-03-2025

Sl	Activities	Topics	Date	Viewers	Departments
1.	Clinical Combined Round (CCR)	Deciphering the Puzzle A Case of Unusual Neurological Decline & The Void: But Not Devoid of help!!	02-Apr-24	61	Geriatric Medicine & Orthopedics (Trauma Centre)
2.	Clinical Grand Round (CGR)	Cancer Associated Thrombosis	02-Apr-24	111	Hematology
3.	Clinical Combined Round (CCR)	Total skin electron beam therapy in cutaneous T-Cell lymphoma	09-Apr-24	39	Radiotherapy
4.	Clinical Combined Round (CCR)	One Change : Multiple effects	09-Apr-24	24	Ophthalmology
5.	Clinical Grand Round (CGR)	High cervical spinal cord injury- A lost cause or a glimmer of hope ?	09-Apr-24	28	Neurosurgery (Trauma Centre)
6.	Clinical Combined Round (CCR)	An interesting case of relapsing fever	16-Apr-24	390	Medicine Unit - II
7.	Clinical Combined Round (CCR)	Abdominal Angina : When all windows are closed, Surgeons can open the door	16-Apr-24	28	Surgery Unit - II
8.	Clinical Grand Round (CGR)	Oral cancer NCI - AIIMS Auditing Practice, Improving Outcomes	16-Apr-24	122	ENT
9.	Clinical Combined Round (CCR)	Connecting the dots (Multidisciplinary approach) to get “Crystal” clear “Minerals	23-Apr-24	233	Rheumatology
10.	Clinical Combined Round (CCR)	Placenta Accreta Spectrum (PAS) : Atypical presentation & Atypical management	23-Apr-24	46	Obstetrics and Gynecology Unit - I
11.	Clinical Grand Round (CGR)	Thoracic Injuries : Learnings over 15 years	23-Apr-24	194	Surgery (JPN Apex Trauma Centre)
12.	Clinical Combined Round (CCR)	Successful use of extra corporeal membrane Oxygenation (ECMO) in case of severe acute pancreatitis with ARDS	30-Apr-24	87	Anaesthesiology
13.	Clinical Combined Round (CCR)	Cystic Conundrum : Exploring Neurocysticercosis in the Insular region utilising intraoperative ultrasound	30-Apr-24	3	Neurosurgery Unit - II
14.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Rajdeep Singh MAMC, Delhi & Pathology Discussion : Dr. Rimlee Dutta	30-Apr-24	78	Surgery Unit - IV
15.	Clinical Combined Round (CCR)	tDCS Current of hope amidst fog of Melancholia	6-Aug-24	18	Psychiatry
16.	Clinical Combined Round (CCR)	Saga of a small leak in a Sinking Ship	6-Aug-24	83	Surgery Unit - V
17.	Clinical Grand Round (CGR)	Interventional Radiology in Managing Hemoptysis : Two decades of teamwork	6-Aug-24	68	Radio - Diagnosis
18.	Clinical Combined Round (CCR)	Conquering recurrent respiratory failure : A Journey	27-Aug-24	91	Pulmonary Medicine
19.	Clinical Combined Round (CCR)	Getting the monkey off the back	27-Aug-24	13	Orthopedics Unit -II
20.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Rajesh Gupta PGIMER Chandigarh & Pathology Discussion : Dr. Rajni Yadav	27-Aug-24	82	GI Surgery

21.	Clinical Combined Round (CCR)	Intrasaccular device for management of intracranial aneurysm: A Novel therapeutic option	03-Sep-24	134	Neuro-Radiology
22.	Clinical Combined Round (CCR)	Management of a complex case of post-traumatic left PCA aneurysm	03-Sep-24	36	Neurosurgery (JPNATC)
23.	Clinical Grand Round (CGR)	Targeted therapy in Lung Cancer : A prototype for precision medicine	03-Sep-24	202	Medical Oncology
24.	Clinical Combined Round (CCR)	Plasmapheresis as rescue therapy in graves' disease	10-Sep-24	140	Endocrinology
25.	Clinical Combined Round (CCR)	Damage control stenting	10-Sep-24	66	Plastic Surgery
26.	Clinical Grand Round (CGR)	Surgical blasphemy in hand surgery	10-Sep-24	41	Orthopaedics
27.	Clinical Combined Round (CCR)	From broad strokes to fine lines precision medicine's impact on childhood diabetes	17-Sep-24	47	Pediatrics Unit I
28.	Clinical Combined Round (CCR)	Metabolic Mysteries : Decoding the puzzle of hypoglycemia	17-Sep-24	28	Surgery Unit VI
29.	Clinical Grand Round (CGR)	Esophageal carcinoma : Evolution of management over a decade	17-Sep-24	63	Surgical Oncology
30.	Clinical Combined Round (CCR)	Constipation Catastrophe	24-Sep-24	129	Gastroenterology
31.	Clinical Combined Round (CCR)	Double trouble : Liver & Lung Hydatid cysts Challenges in management	24-Sep-24	19	G I Surgery
32.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Amita Suneja & Pathology Discussion : Dr. Ridhi Sood	24-Sep-24	65	Obstetrics and Gynaecology Unit - III
33.	Clinical Combined Round (CCR)	Too Less for comfort, Too High to Live an Elements "s TRYST	01-Oct-24	67	Emergency Medicine
34.	Clinical Combined Round (CCR)	Robotic hands, Healing nerves: The future of nerve Surgery	01-Oct-24	13	Surgery Trauma Center
35.	Clinical Grand Round (CGR)	Balancing two beats in single journey - heart disease in pregnancy	01-Oct-24	76	Obstetrics and Gynecology Unit - II
36.	Clinical Combined Round (CCR)	Fleeting Power : A Puzzling Case of Weak Muscles	08-Oct-24	140	Medicine Unit - I
37.	Clinical Combined Round (CCR)	Paraganglioma : Challenges	08-Oct-24	27	Surgery Unit - I
38.	Clinical Grand Round (CGR)	Childhood Inflammatory arthritis: Limiting disabilities	08-Oct-24	44	Pediatrics Unit - I
39.	Clinical Combined Round (CCR)	Uncommon cause of a common respiratory condition	15-Oct-24	53	Pediatrics Unit - III
40.	Clinical Combined Round (CCR)	Comprehensive management of pediatric head neck mucormycosis	15-Oct-24	19	ENT
41.	Clinical Grand Round (CGR)	Sage of a bloodless war against complex brain lesions	15-Oct-24	95	Neurosurgery Unit - II
42.	Clinical Combined Round (CCR)	A Tangled diagnosis in the "Milky Way	22-Oct-24	65	Hematology
43.	Clinical Combined Round (CCR)	Balancing Act - Navigating high stake challenges in pregnancy	22-Oct-24	41	Obstetrics and Gynaecology Unit - III
44.	Clinical Grand Round (CGR)	Establishment of fragility fracture liaison services in trauma Centre Challenges and Initial results	22-Oct-24	78	Orthopedics (Trauma Center)
45.	Clinical Combined Round (CCR)	Unraveling the complexity of familial kidney disease	29-Oct-24	57	Nephrology

46.	Clinical Combined Round (CCR)	Pheochromocytoma during pregnancy : walking a tightrope	29-Oct-24	30	Urology
47.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. J C Suri & Pathology Discussion : Dr. Anubhav Narwal	29-Oct-24	71	Gastroenterology
48.	Clinical Combined Round (CCR)	Immunotherapy advanced soft tissue sarcoma Quantum of solace	05-Nov-24	163	Medical Oncology
49.	Clinical Combined Round (CCR)	Awake lung surgery : A New dawn	05-Nov-24	11	Surgical Oncology
50.	Clinical Grand Round (CGR)	Advances in the Management of acute variceal bleeding	05-Nov-24	388	Medicine Unit - III
51.	Clinical Combined Round (CCR)	Skin as a window to hematological malignancy : Scleromyxedema in context of Multiple Myeloma	12-Nov-24	41	Dermatology
52.	Clinical Combined Round (CCR)	The synergy of two	12-Nov-24	19	Surgery Unit IV
53.	Clinical Grand Round (CGR)	Breaking New Ground in Systemic Sclerosis : Diagnostic & Therapeutic Insights form AIIMS	12-Nov-24	40	Rheumatology
54.	Clinical Combined Round (CCR)	Unmasking the unusual navigating novelty in a common case	19-Nov-24	131	Medicine Unit - III
55.	Clinical Combined Round (CCR)	Does my sparkle confuse your mind ? Your truly, Adrenal	19-Nov-24	110	Surgery Unit - III
56.	Clinical Grand Round (CGR)	Flexin facts : Unveiling the Muscle mystery of sarcopenia	19-Nov-24	167	Medicine Unit - II
57.	Clinical Combined Round (CCR)	Brain on Fire	27-Nov-24	101	Neurology
58.	Clinical Combined Round (CCR)	Hirayama Disease - The Eminently treatable condition but often confused with MND	27-Nov-24	12	Neurosurgery Unit - I
59.	Clinical Pathological Conference (CPC)	Clinical Discussion :Prof. Puneet IMS BHU Varanasi Pathology Discussion : Dr. Sonali Dixit	27-Nov-24	16	Surgery Unit - IV
60.	Clinical Combined Round (CCR)	Blunt Cardiac Injury A tale of 2 Unusual cases	14-Jan-25	75	Cardiology
61.	Clinical Combined Round (CCR)	Travel of the Tumor form Kidney to Lungs	14-Jan-25	25	CTVS
62.	Clinical Grand Round (CGR)	Robotic thermocoagulative Hemisperotomy (ROTCH)-the technique of bloodless surgery of disconnection developed at AIIMS	14-Jan-25	48	Neurosurgery Unit - I
63.	Clinical Combined Round (CCR)	Gross hematuria : An Unusual missing link	21-Jan-25	33	Pediatrics Unit - I
64.	Clinical Combined Round (CCR)	Recurrent Intrathoracic Cyst: A Multidimensional challenge	21-Jan-25	32	Pediatrics Surgery
65.	Clinical Grand Round (CGR)	Xeroderma Pigmentosum : A closer look may help	21-Jan-25	53	Dermatology
66.	Clinical Combined Round (CCR)	A Cold Conundrum race against time	28-Jan-25	101	Emergency Medicine
67.	Clinical Combined Round (CCR)	Chylothorax unmasking the anchoring bias	28-Jan-25	20	Surgery (JPNATC)
68.	Clinical Pathological Conference (CPC)	Clinical Discussion : Prof. Apul Goel &Pathology Discussion : Dr. Anubhav Narwal	28-Jan-25	35	Urology

69.	Clinical Combined Round (CCR)	Threads of Complexity : Weaving Solutions for Elderly	4-Feb-25	18	Anaesthesiology
70.	Clinical Combined Round (CCR)	Triple Jeopardy Gap :: Non-Union :: Infection	4-Feb-25	12	Neurosurgery Unit - II
71.	Clinical Grand Round (CGR)	The Panorama of MEN Syndromes	4-Feb-25	30	Surgery Unit - III
72.	Clinical Combined Round (CCR)	Dose escalated SBRT in Unresectable carcinoma pancreas - A Glimmer of hope	11-Feb-25	80	Radiotherapy
73.	Clinical Combined Round (CCR)	Ectopia lentis with retinal detachment in a patient with habitus	11-Feb-25	14	Ophthalmic Sciences
74.	Clinical Grand Round (CGR)	Nutrition in CKD	11-Feb-25	43	Nephrology
75.	Clinical Combined Round (CCR)	Hunting for a Five-leaf Clover !	18-Feb-25	149	Medicine Unit II
76.	Clinical Combined Round (CCR)	Clean-Net : Bridging laparoscopy & endoscopy	18-Feb-25	17	Surgery Unit II
77.	Clinical Grand Round (CGR)	A fine balance : Unravelling a new treatable ataxia	18-Feb-25	57	Neurology
78.	Clinical Combined Round (CCR)	Myositis, Nephritis & Ulcerated skin : True mechanism & answers within !	25-Feb-25	31	Rheumatology
79.	Clinical Combined Round (CCR)	Pregnancy after renal transplant : Navigating the complexities	25-Feb-25	26	Obstetrics and Gynaecology Unit I
80.	Clinical Pathological Conference (CPC)	Clinical Discussion : Prof. Nisha Singh & Pathology Discussion : Dr. Ruchi Rathore	25-Feb-25	17	Obstetrics and Gynaecology Unit II
81.	Clinical Combined Round (CCR)	Silent storms in scrub typhus : Bedside EEG to the rescue	4-Mar-25	20	Anaesthesiology
82.	Clinical Combined Round (CCR)	Taming the Giants with Radiosurgery The Mask Man	4-Mar-25	39	Neurosurgery Unit II
83.	Clinical Grand Round (CGR)	Mainstreaming of breast Cancer Genetics : Need, challenges and our early experience	4-Mar-25	84	Surgery Unit III
84.	Clinical Combined Round (CCR)	Depression with severe blepharospasm : A Deep TMS approach	11-Mar-25	65	Psychiatry
85.	Clinical Combined Round (CCR)	Missing the forest for the trees	11-Mar-25	27	Orthopedics
86.	Clinical Grand Round (CGR)	Block on Arrival	11-Mar-25	140	Emergency Medicine
87.	Clinical Combined Round (CCR)	Lambda wave ECG - It's not so Greek after all !	18-Mar-25	28	Cardiology
88.	Clinical Combined Round (CCR)	Pre natal to postnatal continuum : Autograft solution for a congenital defect	18-Mar-25	30	CTVS
89.	Clinical Grand Round (CGR)	Knock, Know ! It's Nocardia : Eight Years of Experience	18-Mar-25	44	Microbiology
90.	Clinical Combined Round (CCR)	Tale of a child with an autoinflammatory syndrome	25-Mar-25	101	Pediatrics Unit I
	Clinical Combined Round (CCR)	Laparoscopy for pediatric pancreatic head tumour : The first total laparoscopic Whipple's procedure	25-Mar-25	18	Pediatrics Surgery
91.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Amit Khosla & Pathology Discussion : Dr. Seema Kashyap	25-Mar-25	48	Ophthalmology



The National Medical Journal of India

Rajeev Kumar

Editor NMJI

The *National Medical Journal of India* (NMJI) is a general medical journal, published by the All India Institute of Medical Sciences, New Delhi, India (AIIMS). The journal began publishing in 1988 and has been publishing continuously since that date. The NMJI is peer-reviewed with print and online publication and its full text (platinum open access) is available online at http://www.nmji.in. The journal is funded by a grant from AIIMS and there are no fees for article submission, publication or access.

The NMJI is indexed in Medline® and Science Citation Index Expanded®. The journal is published bi-monthly. It received over 1600 manuscript submissions in 2024 with an overall acceptance rate of 11%. The journal follows a double-blind peer review system through its online manuscript handling system. The journal is also indexed in Google Scholar, ProQuest, Read Cube, Cross Ref, Portico and EBSCO.

The editorial board of the NMJI includes current and former editors of some of the most prominent international journals including the British Medical Journal, Annals of Internal Medicine, The Lancet, Journal of American Medical Association; representatives of organizations such as the World Association of Medical Editors (WAME) and the International Committee of Medical Journal Editors (ICMJE), and eminent Indian and international biomedical scientists.

Former editors of the journal include Prof SamiranNundy, Prof K Srinath Reddy and Prof PeushSahni. The NMJI is currently one of the member journals of the ICMJE, the first and sole journal from India on this committee. The journal is known for its strong focus on ethics and quality and reflects the culture and commitment to excellence that AIIMS New Delhi stands for.

S.E.T Facility
(Skills, E-learning & Telemedicine)



Objectives-

- Establish a simulation-based skill-learning facility.
- Develop an E-learning platform to facilitate online education and a blended training program.
- Telemedicine facility for tele-education & tele-consultation to collaborate between Institutes all over India.

Key Assignments

National Resource Centre, National Medical College Network, a MoHFW, Govt of India project

Partnership with YouTube to create health-relatedvideos

Centre of Excellence for the education of health professionals as part of Partnership for Education of Health Professionals (PEP), a joint program with NovoNordisk Foundation

AIIMS Robotic Training Facility in partnership with India Medtronic Private Limited

Key Facilities

Advanced Airway Training Laboratory

1. **Chest and Lung Auscultation Training**
   - Total number conducted - 03
   - Total residents enrolled - 39
2. **Chest and Lung Auscultation Training- INSIGHT**
   - Total number conducted- 02
   - Total residents enrolled - 65



Ultrasound Simulation Laboratory

1. **Workshop on Diagnostic Use of Ultrasonography (USG)**
   - Total number conducted- 01
   - Total residents enrolled- 26
2. **Point of Care Ultrasound (POCUS) Workshop - INSIGHT**
   - Total number conducted- 02
   - Total candidates enrolled – 38
3. **From Symptoms to Diagnosis: use of USG**
   - Total number conducted– 03
   - Total residents enrolled– 57
4. **USG workshop for Medicine Residents**
   - Total number conducted- 01
   - Total residents enrolled– 15



Skill Lab

1. **Undergraduate students**

   a. The Skill-based learning for undergraduate students, which is integrated into the curriculum

   b. The program starts in the 4th semester using a blended online and hands-on teaching methodology

      - Number of skill training sessions- 28
      - Number of students attended the various sessions- 517

2. **Nursing students**

   - Skill training program for college of nursing students - 42
   - Number of students attended - 1230

3. **Nursing Staff**

   a. Cardiac Resuscitation Training Program (CRTP) Course

      - Total number conducted - 24
      - Total candidates enrolled - 564

   b. Hospital Infection Control Committee (HICC) hands-on training on IPC Practices

      - Total number conducted - 12
      - Total candidates enrolled - 429

   c. BLS and ACLS training Hospital Administration

      - Total number conducted - 08
      - Total candidates enrolled - 233

   d. BLS Training for IRCH

      - Total number conducted - 03
      - Total candidates enrolled - 64

   e. Nursing Induction Program - Basic Life Support

      - Total number conducted - 08
      - Total candidates enrolled - 228

   f. Nursing Induction Program - Basic Skills Training

      - Total number conducted - 02
      - Total candidates enrolled - 49

   g. CPR Training for Nurses/Technicians for Deputation to Haj

      - Total number conducted - 01
      - Total candidates enrolled - 09

   h. Workshop on Breast cancer awareness

      - Total number conducted - 01
      - Total candidates enrolled - 96

   i. Emergency Medicine Airway Workshop

      - Total number conducted - 01
      - Total candidates enrolled – 36

   j. Workshop: Transforming Kidney Health through nursing excellence

      - Total number conducted - 01
      - Total candidates enrolled - 29

4. **Postgraduate students-**

   a. CME: Basic and Recent advances in Mechanical Ventilation

      - Total number conducted - 01
      - Total residents enrolled - 80

b. Fixed Bening UKR Workshop (Ortho) Current concept in Arthroplasty
   - Total number conducted - 01
   - Total residents enrolled - 40

c. BLS and ACLS training for Medicine JR
   - Total number conducted - 04
   - Total residents enrolled - 64

d. BLS Training for CCM JR
   - Total number conducted - 01
   - Total residents enrolled–12

e. BLS Training for Psychiatry Residents
   - Total number conducted - 01
   - Total residents enrolled - 10

f. BLS & ACLS Provider Course (AHA Accredited)
   - Total number conducted - 05
   - Total candidates enrolled - 132

g. IAP ALS Workshop
   - Total number conducted - 02
   - Total candidates enrolled - 88

h. CODE BLUE Training for CNC Residents
   - Total number conducted - 01
   - Total candidates enrolled–21

i. BLS Training for CDER For Code Blue Implementation
   - Total number conducted - 02
   - Total candidates enrolled – 53

j. Hands on Training on Airway Management
   - Total number conducted - 01
   - Total candidates enrolled - 18

k. Emergency Medicine Skill Training Day
   - Total number conducted -01
   - Total candidates enrolled - 38

5. MCh/MD/DM/Super specialty training courses

a. Workshop; Needle Navigation using USG
   - Total number conducted - 06
   - Total delegates enrolled - 76

b. Thesis: Needle guided prototype testing
   - Total number conducted - 11
   - Total delegates enrolled - 22

c. MD Exam conducted
   - Total number conducted - 01
   - Total delegates enrolled - 16

d. CME in Surgery and Annual Day
   - Total number conducted - 01
   - Total delegates enrolled - 45

e. CPR Training for Faculty
   - Total number conducted - 01
   - Total delegates enrolled - 15

f. Charak Digital Healthcare Masterclass On AI
   - Total number conducted - 01
   - Total delegates enrolled–100

g. Recent advances in Critical Care
   - Total number conducted - 02
   - Total delegates enrolled– 68

h. EBUS : WORKSHOP on Endo-bronchialUltrasound
   - Total number conducted - 01
   - Total delegates enrolled - 08

6. Workshops conducted as part of the AIIMS-NNF Centre of Excellence for Medical Education under the Partnership for Education of Health Professionals (PEP) program at the S.E.T. Facility

Sl	Date	Workshop title	No. of Participants attended
1.	15th April 2024	PPT Animation Workshop	12
2.	8th May 2024	From Symptoms to Diagnosis: Use of USG	25
3.	9th May 2024	SARAL Workshop	14
4.	11th May 2024	Precision in Practice: Needle Navigation using USG	18
5.	26th July 2024	From Symptoms to Diagnosis: Use of USG	17
6.	3rd August 2024	Precision in Practice: Needle navigation using USG	6
7.	14th August 2024	SARAL workshop	7
8.	7th September 2024	Precision in Practice: Needle Navigation using USG	12
9.	25th September 2024	CPR training workshop	15
10.	1st October 2024	Active learning through feedback and collaborative tools	22
11.	3rd October 2024	Researching student perspectives in digital education	19
12.	4th October 2024	AI in healthcare education	47
13.	5th October 2024	Blended Learning: Experiences and feedback	9
14.	26th October 2024	Precision in Practice: Needle Navigation using USG	17
15.	20th November 2024	Workshop on PPT Animation	13
16.	13th and 14th November 2024	“Workshop on Qualitative Research in Medical Education for AIIMS Faculty	21
17.	11th December 2024	Workshop on Moodle Quiz	17
18.	18th -19th December 2024	Workshop on Qualitative Research in Medical Education for AIIMS Faculty (Basic level)	23
19.	14th December 2024	Precision in Practice: Needle Navigation using USG	8
20.	4th to 6th February, 2025	Workshop on Qualitative Research in Medical Education for AIIMS Faculty (Advanced level)	28

21.	29th January 2025	From Symptoms to Diagnosis: Use of USG	15
22.	1st March 2025	Precision in Practice: Needle Navigation using USG	18
23.	22nd March 2025	Paediatrics Perioperative Cardiac Arrest-CME	60
24.	2nd and 3rd April 2025	Hands-on training of NVivo	6
25.	2nd May 2025	Workshop for protocol development	upcoming
26.	6th -7th May 2025	the Delphi Consensus Study – Essential Simulation Scenarios in Anaesthesia Training (ESSAT)	upcoming
27.	9th May 2025	Early Research Exposure (ERE): Nurturing Research Skills in Medical Students	upcoming







Glimpse of the activities conducted under PEP Program

7. OTHERS

Compression only Life Support-CPR Training for Laypersons (AIIMS employees)

- Total number conducted - 18
- Total students enrolled - 418

Basic Cardiopulmonary Life Support (BCLS)-CPR training of Technicians/Paramedics working at AIIMS

- Total number conducted - 08
- Total students enrolled - 136

BLS Training for Transfusion Medicine Staffs (SR, JR, Nurses, Paramedics & Technicians)

- Total number conducted - 04
- Total students enrolled–82

CRTP for Emergency Medicine Doctors and Nurses

- Total number conducted - 04
- Total students enrolled – 192

Evening Skill Training for Undergraduate Students at SET Facility

- Total number conducted - 16
- Total students enrolled - 129

BLS & ACLS Training INSIGHT Workshop

- Total number conducted - 02
- Total students enrolled - 111

Neonatal Resuscitation INSIGHT Workshop

- Total number conducted - 01
- Total students enrolled - 60

Obstetrics Skill Training INSIGHT Workshop

- Total number conducted - 01
- Total students enrolled - 38

Broad Medical Skill Training INSIGHT Workshop

- Total number conducted - 04
- Total students enrolled - 180

CAPFIMS: OSCE Screening for Nursing Officers

- Total number conducted - 07
- Total students enrolled - 122

Basic Life Support/Compression only Life Support Training (On Institute Day)

- Total number conducted - 01
- Total students enrolled - 131

Basic Life Support/Compression only Life Support Training for School Students(On Institute Day)

- Total number conducted - 01
- Total students enrolled - 60

Strengthening Primary Care for Critical Cancer Prevention (Public Health Nurses)

- Total number conducted - 01
- Total candidates enrolled - 62

Trainings at Skill Lab





WET Lab

1. **Undergraduate students**
   - Number of skill training sessions- 29
   - Number of students attending the various sessions-596
2. **Nursing and other Allied & Healthcare Courses Staff**

   HICCOM (Hospital Infection Control Committee) Induction Program
   - Number of Skill Training sessions - 12
   - Number of Nursing staff attended - 429
3. **Postgraduate students-**

   Workshop on Arthroscopy.
   - Total number conducted - 01
   - Total residents enrolled-10

   Workshop on Third Space endoscopy – Animal Model
   - Total number conducted–02
   - Total residents enrolled-20

   Pancreatic jejunal Anastomosis Workshop
   - Total number conducted - 04
   - Total residents enrolled - 20

   Training workshop "From symptom to Diagnosis" use of USG
   - Total number conducted - 02
   - Total residents enrolled - 40

   Workshop on "How to effectively use blended learning in your class"
   - Total number conducted - 01
   - Total residents enrolled - 14

   CME on Vascular IR
   - Total number conducted - 01
   - Total residents enrolled - 94

   EUS LAMS/FNB Workshop
   - Total number conducted - 01
   - Total residents enrolled - 10

   Hands on "Pead's perioperative cardiac arrest management"
   - Total number conducted - 01
   - Total residents enrolled–60

   a. Skill enhancing course in colposcopy and treatment of C/N
      - Total number conducted - 01
      - Total delegates enrolled – 73

   b. IAP Advanced Life Support Course
      - Total number conducted - 02
      - Total delegates enrolled – 88

   c. AIIMS ColoProctology Symposium 2024
      - Total number conducted - 01
      - Total delegates enrolled– 35

d. POEM Workshop

- Total number conducted - 01
- Total delegates enrolled– 04

e. Training on Pyeloplasty, Endo trainer, Robotic training

- Total number conducted - 01
- Total delegates enrolled - 15

Endo trainer

- Continuous training program
- Total residents attended- 279

Robotic training on Simulation

- Continuous training program
- Total residentsattended–124

Robotic technical training program

- Total number conducted - 01
- Total residentsattended – 01

4. MCh/MD/DM/Super specialty training courses-

f. HUGO RAS Simulation

- Continuous training Program
- Total delegates enrolled–53

g. HUGO RAS Tissue Workshop

- Total number conducted - 11
- Total delegates enrolled – 35

h. Robotic training on 3D Model – Microsurgery vascular anastomosis

- Total number conducted - 03
- Total delegates enrolled - 09

i. HUGO RAS Cadaveric Workshop

- Total number conducted - 13
- Total delegates enrolled - 37

j. Training on "Handheld Robotic Equipment

- Total number conducted - 02
- Total delegates enrolled–06

k. National conference of SELSI: Robotic Surgery

- Total number conducted - 01
- Total delegates enrolled - 40

l. Training on "Aesthetic Surgery Demonstration"

- Total number conducted - 01
- Total delegates enrolled - 20

m. Cadaveric Workshop

- Total number conducted - 03
- Total delegates enrolled–77

n. AIIMS Coloproctology Symposium 2024

- Total number conducted - 01
- Total delegates enrolled– 35

o. Stapler Anastomosis Workshop

- Total number conducted - 01
- Total delegates enrolled– 20

p. Training on Intravascular anastomosis

- Total number conducted - 01
- Total delegates enrolled – 03

q. Lap Cadaveric workshop on Kidney Harvestation

- Total number conducted - 01
- Total delegates enrolled – 18

r. Workshop on Recent Critical Care Management

- Total number conducted - 01
- Total delegates enrolled – 35

s. Trainingon Emergency medicine for paramedics

- Total number conducted - 01
- Total delegates enrolled– 43

t. Workshop on Endobronchial Ultrasound (EBUS)

- Total number conducted - 01
- Total delegates enrolled– 50

u. Cardiovascular research conference

- Total number conducted - 01
- Total delegates enrolled – 100

v. EEG, workshop hands on neurology

- Total number conducted - 01
- Total delegates enrolled - 100

Trainings at WET LAB



High-level Delegation Visit

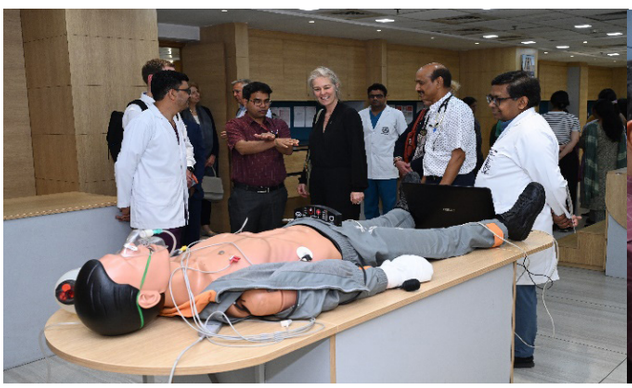
Visit of Delegates from Ministry of Health, Denmark:




Visit of Delegates from Keele University, UK:




Visit of Delegates from Ministry of Health, Welfare & Sport/Official Netherlands:




YouTube Team Visit to SET Facility



Visit of Delegates from Neeti Aayog:



Visit of Delegates from BHU:



National Medical College Network (NMCN) Activities

Ministry of Health & Family Welfare (MoHFW), Govt. of India is implementing a green field project on e-health including Telemedicine on National Medical College Network (NMCN) for interlinking the Medical Colleges across the country with the purpose of e-Education and National Telemedicine Network for e-Healthcare delivery.

NMCN project is in the process to restructure and reform medical content available online and make quality education accessible to all medical professionals. A Learning Management Information System (LMIS)-**SAKSHAM** for undergraduate medical students has been created by MoHFW for this purpose. More than 150 leading medical colleges across India, including AIIMS (New Delhi, Bhopal, Rishikesh), PGIMER, Chandigarh, JIPMER, Puducherry are contributing towards content development for e-Learning.

NMCN-SAKSHAM

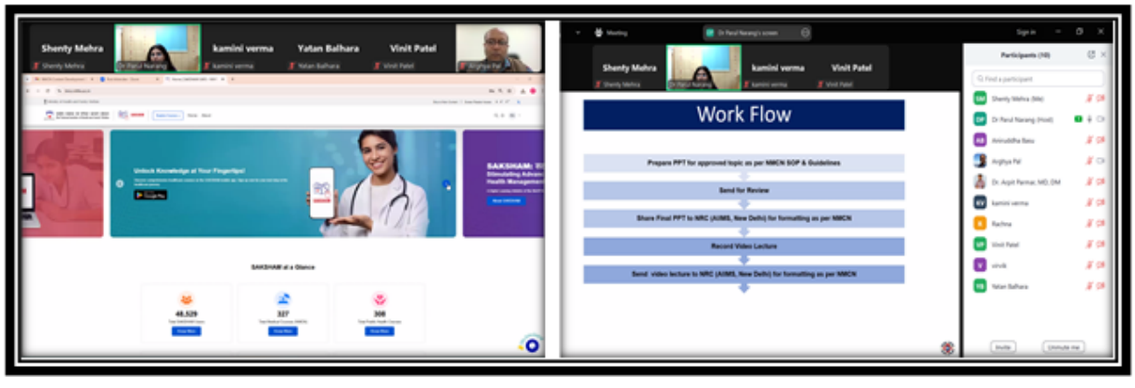
Courses Uploaded

Courses	**339**
Lessons	**495**

Faculty and Student Orientation Sessions

To orient the faculty about the e-Learning content creation, SOPs and guidelines, face-to-face and online sessions were conducted at NRC and RRCs. These sessions help to resolve the queries andunderstand the challenges faced by faculty. Furthermore, the interaction provides an opportunity for new ideas and suggestions from faculty.

1. Faculty orientation session with Psychiatry Faculty, NDDTC, 29th January 2025



2. Faculty Orientation Session at AIIMS, Rishikesh, January 17th-18th 2025



1. Student Orientation Session at AIIMS, Rishikesh, January 17th-18th 2025

An engaging student-centered advocacy event was organized by AIIMS, New Delhi (NRC-NMCN), with support from Empower School of Health, to promote awareness and driveregistrations for the Saksham NMCN Learning Management Information System (LMIS). The initiative specifically targeted MBBS and Nursing students at AIIMS Rishikesh.Structured over two days, the event featured three interactive quiz sessions, each comprising two distinct formats: a preplanned quiz and an impromptu quiz. These sessions testedstudents' knowledge in medical and nursing education, while simultaneously

introducing them to the features and benefits of the Saksham NMCN LMIS. The dynamic quiz format encouraged active student participation, fostered a competitive yet educational atmosphere, and successfully generated interest in the platform among the future healthcare professionals.

Event Highlights & Impact

The event proved to be a resounding success, significantly boosting visibility and user engagement on the Saksham NMCN LMIS platform. • 162 new users registered for NMCN courses on the Saksham LMIS during the event period, marking a notable uptick in platform adoption. • Quizzes were enthusiastically received, with active participation from students across both Nursing and MBBS programs, indicating high engagement levels. • The event played a crucial role in raising awareness about the Saksham NMCN LMIS and its value in enhancing medical education through accessible, quality digital learning resources.



2. Faculty Orientation Session at AIIMS, Kalyani, December 14th 2025

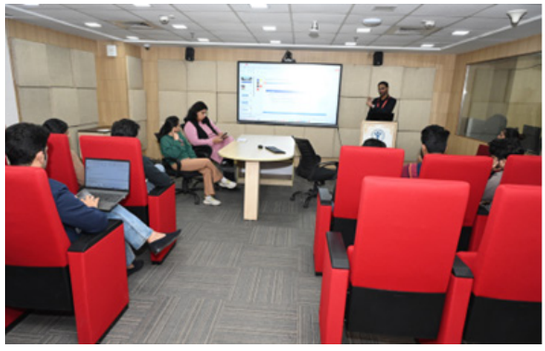


Faculty Orientation Session at AIIMS, Rishikesh, 4-5th July 2024



Capacity Building and Refresher Trainings and Workshop

1. Refresher Training for the Content Development and Animation team at AIIMS, New Delhi 13th February 2025




3. **Refresher Training for the Animation and Content Development team at AIIMS, New Delhi, 28th May 2024**




Faculty from PGI Chandigarh and BHU visited SET Facility




Health Awareness Videos for AIIMS You Tube Channel

Under the Memorandum of Understanding (MoU) between AIIMS, Delhi and YouTube,21 health awareness videos on specific medical conditions are to be produced for dissemination via the AIIMS YouTube channel. This initiative aims to enhance public understanding of various health issues while addressing misinformation effectively. The videos will be available in both Hindi and English to maximize accessibility.

To date, 10 videos have been developed and are currently undergoing review and preparation for upload. These videos will serve as a credible source of medical information, ensuring that the public receives accurate and verified content from an authoritative institution.



Telemedicine Services

Activities details period from 01-04-24 to 31-03-2025

Sl	Telemedicine	Nos.
1.	Exams - DM Assessment, PhD viva	9
2.	G. B. Meeting	1
3.	Guest Lecture	3
4.	International Yoga Day	1
5.	Interview - Faculty APS & Contractual	28
6.	Meeting	24
7.	Online lecture	2
8.	Oration	6
9.	Public Lecture	11
10.	Symposium	3
11.	Tele-Consultation	7
12.	Tele-Evidence	5
13.	Training	1
14.	Workshop	2
15.	Live Streaming	24
16.	Clinical Combined Round (CCR)	60
17.	Clinical Grand Round (CGR)	23
18.	Clinical Pathological Conference (CPC)	8

AIIMS YouTube Activities
YouTube Channel Name : AIIMS_Telemedicine
Period from 01-04-2024 to 31-03-2025

Sl	Activities	Topic title	Date	Viewers	Departments
1.	Symposium	Symposium on Biomarker in Alzeimer's Disease	09-Apr-24	350	Neurology, AIIMS, New Delhi
2.	Public Lecture	Parkinson's disease Awareness Program	18-Apr-24	948	Protocol Division
3.	Public Lecture	The Different Colours of Autism - Lets Solve The Riddle	22-Apr-24	1571	Protocol Division
4.	Swachhata Pakhwada 3 0	-	15-May-24	397	Dr. B.R. Ambedkar Institute Rotary Cancer Hospital
5.	Public Lecture & Panel Discussion	Heat Related Illness	21-May-24	1388	Protocol Division
6.	Public Lecture	High Blood Pressure	24-May24	4278	Protocol Division
7.	Public Lecture	Multiple Sclerosis	03-Jun-24	1568	Protocol Division
8.	National Conclave	Awareness Generation on Sickle Cell Disease	19-Jun-24	867	Ministry of Tribal Affairs in Collaboration with knowledge partner Birsa Munda Centre
9.	International Day of Yoga	10th International Day of Yoga Celebration	21-Jun-24	1298	Centre for Integrative Medicine & Research (CIMR)
10.	Public Lecture	Friedreich Ataxia Research Alliance	25-Jun-24	783	Neurology
11.	Public Lecture	Myths about Cosmetic Surgery and Hair Transplantation	15-Jul-24	519	Dermatology
12.	Public Lecture	Hepatitis in India	29-Jul-24	664	Protocol Division
13.	Online Lecture	Big Data Studies in Dentistry & Craniofacial Research	09-Aug-24	388	Public Health Dentistry
14.	Public Lecture	Vitiligo (Leukoderma)	13-Aug-24	1378	Protocol Division
15.	Online Lecture	Dental Public Health & Technology	20-Sep-24	279	Public Health Dentistry
16.	69th Foundation Day Celebrations of AIIMS	69th Foundation Day Celebrations of AIIMS, New Delhi	25-Sep-24	2,012	AIIMS
17.	Institute Day Cultural Program	AIIMS Cultural Committee	25-Sep-24	3,999	AIIMS
18.	Public Lecture	What Should You Know in Blindness Prevention	9-Oct-24	697	Protocol Division
19.	Public Lecture	Stroke	28-Oct-24	1,092	Protocol Division

20.	Oration	Dr. O. P. Ghai Memorial Oration	9-Nov-24	669	Pediatric
21.	Dr. L. K. Bhutani Oration	Professor & HOD Dermatology, Rabindra Nath Tagore Medical College, Udaipur, Rajasthan	18-Jan-25	189	Academic Section
22.	Guest Lecture	4th AIIMS Annual Research Day 2025 Chief Guest Lecture	31-Jan-25	141	Research Section
23.	Farewell Ceremony	Farewell Ceremony	31-Jan-25	763	Pediatrics
24.	AIIMS Diamond Jubilee Oration	The Miracles of Modern Medicine and the Future of Global Health - Lessons from a career across four continents"	01-Feb-25	215	Academic & Research Section
25.	AIIMS Silver Jubilee Oration	AIIMS Silver Jubilee Oration : 4th AIIMS Annual Research Day 2025 "Medical Academia & People 's Health"	03-Feb-25	48	Academic & Research Section
26.	Dr. S. K. Kacker Oration	Minimally Invasive Trans-Nasal Endoscopic CSF Leak Closure - lessons learnt over an experience of 500 cases over 4 decades	21-Feb-25	769	Academic & Research Section
27.	Sarveshwari Memorial Oration	Disrupting Dogma by Design	27-Feb-25	149	Academic Section
28.	6th Dr. P. N. Tandon Oration	Power of Silence - HIFU in Brain	28-Feb-25	44	Academic Section
29.	Guest Lecture	Symposium - Update on Vesicoureteral Reflux (VUR)	02-Mar-25	720	Pediatric Surgery
30.	Health Education	Heart Attack Symptoms, Diagnosis, treatment, and Prevention	05-Mar-25	161	AIIMS New Delhi
31.	Health Education	प्रारंभिकपहचानऔरतात्कालिकप्रतिक्रिया	05-Mar-25	102	AIIMS New Delhi
32.	Prof. Sarindar Man Singh Oration	Evaluation and Management of prostate cancer biochemical recurrence : Balancing Disease biology with competing risks	06-Mar-25	214	Urology & Academic Section
33.	Public Lecture	Pediatric Rheumatic Disorders	19-Mar-25	100	Protocol Division
34.	49th Convocation	49th Convocation of AIIMS, New Delhi	21-Mar-25	43,471	Academic Section

AIIMS Academic Teaching YouTube Activities : CCR, CGR & CPC
YouTube Channel Name : AIIMS Telemedicine_1
Period from 01-04-2024 to 31-03-2025

Sl	Activities	Topics	Date	Viewers	Departments
1.	Clinical Combined Round (CCR)	Deciphering the Puzzle A Case of Unusual Neurological Decline & The Void: But Not Devoid of help!!	02-Apr-24	61	Geriatric Medicine & Orthopedics (Trauma Centre)
2.	Clinical Grand Round (CGR)	Cancer Associated Thrombosis	02-Apr-24	111	Hematology
3.	Clinical Combined Round (CCR)	Total skin electron beam therapy in cutaneous T-Cell lymphoma	09-Apr-24	39	Radiotherapy
4.	Clinical Combined Round (CCR)	One Change : Multiple effects	09-Apr-24	24	Ophthalmology
5.	Clinical Grand Round (CGR)	High cervical spinal cord injury- A lost cause or a glimmer of hope ?	09-Apr-24	28	Neurosurgery (Trauma Centre)
6.	Clinical Combined Round (CCR)	An interesting case of relapsing fever	16-Apr-24	390	Medicine Unit - II
7.	Clinical Combined Round (CCR)	Abdominal Angina : When all windows are closed, Surgeons can open the door	16-Apr-24	28	Surgery Unit - II
8.	Clinical Grand Round (CGR)	Oral cancer NCI - AIIMS Auditing Practice, Improving Outcomes	16-Apr-24	122	ENT
9.	Clinical Combined Round (CCR)	Connecting the dots (Multidisciplinary approach) to get “Crystal” clear “Minerals	23-Apr-24	233	Rheumatology
10.	Clinical Combined Round (CCR)	Placenta Accreta Spectrum (PAS) : Atypical presentation & Atypical management	23-Apr-24	46	Obstetrics and Gynecology Unit - I
11.	Clinical Grand Round (CGR)	Thoracic Injuries : Learnings over 15 years	23-Apr-24	194	Surgery (JPN Apex Trauma Centre)
12.	Clinical Combined Round (CCR)	Successful use of extra corporeal membrane Oxygenation (ECMO) in case of severe acute pancreatitis with ARDS	30-Apr-24	87	Anaesthesiology
13.	Clinical Combined Round (CCR)	Cystic Conundrum : Exploring Neurocysticercosis in the Insular region utilising intraoperative ultrasound	30-Apr-24	3	Neurosurgery Unit - II
14.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Rajdeep Singh MAMC, Delhi & Pathology Discussion : Dr. Rimlee Dutta	30-Apr-24	78	Surgery Unit - IV
15.	Clinical Combined Round (CCR)	tDCS Current of hope amidst fog of Melancholia	6-Aug-24	18	Psychiatry
16.	Clinical Combined Round (CCR)	Saga of a small leak in a Sinking Ship	6-Aug-24	83	Surgery Unit - V
17.	Clinical Grand Round (CGR)	Interventional Radiology in Managing Hemoptysis : Two decades of teamwork	6-Aug-24	68	Radio - Diagnosis

18.	Clinical Combined Round (CCR)	Conquering recurrent respiratory failure : A Journey	27-Aug-24	91	Pulmonary Medicine
19.	Clinical Combined Round (CCR)	Getting the monkey off the back	27-Aug-24	13	Orthopedics Unit -II
20.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Rajesh Gupta PGIMER Chandigarh & Pathology Discussion : Dr. Rajni Yadav	27-Aug-24	82	GI Surgery
21.	Clinical Combined Round (CCR)	Intrasaccular device for management of intracranial aneurysm: A Novel therapeutic option	03-Sep-24	134	Neuro-Radiology
22.	Clinical Combined Round (CCR)	Management of a complex case of post-traumatic left PCA aneurysm	03-Sep-24	36	Neurosurgery (JPNATC)
23.	Clinical Grand Round (CGR)	Targeted therapy in Lung Cancer : A prototype for precision medicine	03-Sep-24	202	Medical Oncology
24.	Clinical Combined Round (CCR)	Plasmapheresis as rescue therapy in graves' disease	10-Sep-24	140	Endocrinology
25.	Clinical Combined Round (CCR)	Damage control stenting	10-Sep-24	66	Plastic Surgery
26.	Clinical Grand Round (CGR)	Surgical blasphemy in hand surgery	10-Sep-24	41	Orthopaedics
27.	Clinical Combined Round (CCR)	From broad strokes to fine lines precision medicine's impact on childhood diabetes	17-Sep-24	47	Pediatrics Unit I
28.	Clinical Combined Round (CCR)	Metabolic Mysteries : Decoding the puzzle of hypoglycemia	17-Sep-24	28	Surgery Unit VI
29.	Clinical Grand Round (CGR)	Esophageal carcinoma : Evolution of management over a decade	17-Sep-24	63	Surgical Oncology
30.	Clinical Combined Round (CCR)	Constipation Catastrophe	24-Sep-24	129	Gastroenterology
31.	Clinical Combined Round (CCR)	Double trouble : Liver & Lung Hydatid cysts Challenges in management	24-Sep-24	19	G I Surgery
32.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Amita Suneja & Pathology Discussion : Dr. Ridhi Sood	24-Sep-24	65	Obstetrics and Gynaecology Unit - III
33.	Clinical Combined Round (CCR)	Too Less for comfort, Too High to Live an Elements "s TRYST	01-Oct-24	67	Emergency Medicine
34.	Clinical Combined Round (CCR)	Robotic hands, Healing nerves: The future of nerve Surgery	01-Oct-24	13	Surgery Trauma Center
35.	Clinical Grand Round (CGR)	Balancing two beats in single journey - heart disease in pregnancy	01-Oct-24	76	Obstetrics and Gynecology Unit - II
36.	Clinical Combined Round (CCR)	Fleeting Power : A Puzzling Case of Weak Muscles	08-Oct-24	140	Medicine Unit - I
37.	Clinical Combined Round (CCR)	Paraganglioma : Challenges	08-Oct-24	27	Surgery Unit - I
38.	Clinical Grand Round (CGR)	Childhood Inflammatory arthritis: Limiting disabilities	08-Oct-24	44	Pediatrics Unit - I

39.	Clinical Combined Round (CCR)	Uncommon cause of a common respiratory condition	15-Oct-24	53	Pediatrics Unit - III
40.	Clinical Combined Round (CCR)	Comprehensive management of pediatric head neck mucormycosis	15-Oct-24	19	ENT
41.	Clinical Grand Round (CGR)	Sage of a bloodless war against complex brain lesions	15-Oct-24	95	Neurosurgery Unit - II
42.	Clinical Combined Round (CCR)	A Tangled diagnosis in the “Milky Way	22-Oct-24	65	Hematology
43.	Clinical Combined Round (CCR)	Balancing Act - Navigating high stake challenges in pregnancy	22-Oct-24	41	Obstetrics and Gynaecology Unit - III
44.	Clinical Grand Round (CGR)	Establishment of fragility fracture liaison services in trauma Centre Challenges and Initial results	22-Oct-24	78	Orthopedics (Trauma Center)
45.	Clinical Combined Round (CCR)	Unraveling the complexity of familial kidney disease	29-Oct-24	57	Nephrology
46.	Clinical Combined Round (CCR)	Pheochromocytoma during pregnancy : walking a tightrope	29-Oct-24	30	Urology
47.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. J C Suri & Pathology Discussion : Dr. Anubhav Narwal	29-Oct-24	71	Gastroenterology
48.	Clinical Combined Round (CCR)	Immunotherapy advanced soft tissue sarcoma Quantum of solace	05-Nov-24	163	Medical Oncology
49.	Clinical Combined Round (CCR)	Awake lung surgery : A New dawn	05-Nov-24	11	Surgical Oncology
50.	Clinical Grand Round (CGR)	Advances in the Management of acute variceal bleeding	05-Nov-24	388	Medicine Unit - III
51.	Clinical Combined Round (CCR)	Skin as a window to hematological malignancy : Scleromyxedema in context of Multiple Myeloma	12-Nov-24	41	Dermatology
52.	Clinical Combined Round (CCR)	The synergy of two	12-Nov-24	19	Surgery Unit IV
53.	Clinical Grand Round (CGR)	Breaking New Ground in Systemic Sclerosis : Diagnostic & Therapeutic Insights form AIIMS	12-Nov-24	40	Rheumatology
54.	Clinical Combined Round (CCR)	Unmasking the unusual navigating novelty in a common case	19-Nov-24	131	Medicine Unit - III
55.	Clinical Combined Round (CCR)	Does my sparkle confuse your mind ? Your truly, Adrenal	19-Nov-24	110	Surgery Unit - III
56.	Clinical Grand Round (CGR)	Flexin facts : Unveiling the Muscle mystery of sarcopenia	19-Nov-24	167	Medicine Unit - II
57.	Clinical Combined Round (CCR)	Brain on Fire	27-Nov-24	101	Neurology
58.	Clinical Combined Round (CCR)	Hirayama Disease - The Eminently treatable condition but often confused with MND	27-Nov-24	12	Neurosurgery Unit - I

59.	Clinical Pathological Conference (CPC)	Clinical Discussion :Prof. Puneet IMS BHU Varanasi Pathology Discussion : Dr. Sonali Dixit	27-Nov-24	16	Surgery Unit - IV
60.	Clinical Combined Round (CCR)	Blunt Cardiac Injury A tale of 2 Unusual cases	14-Jan-25	75	Cardiology
61.	Clinical Combined Round (CCR)	Travel of the Tumor form Kidney to Lungs	14-Jan-25	25	CTVS
62.	Clinical Grand Round (CGR)	Robotic thermocoagulative Hemisperotomy (ROTCH)-the technique of bloodless surgery of disconnection developed at AIIMS	14-Jan-25	48	Neurosurgery Unit - I
63.	Clinical Combined Round (CCR)	Gross hematuria : An Unusual missing link	21-Jan-25	33	Pediatrics Unit - I
64.	Clinical Combined Round (CCR)	Recurrent Intrathoracic Cyst: A Multidimensional challenge	21-Jan-25	32	Pediatrics Surgery
65.	Clinical Grand Round (CGR)	Xeroderma Pigmentosum : A closer look may help	21-Jan-25	53	Dermatology
66.	Clinical Combined Round (CCR)	A Cold Conundrum race against time	28-Jan-25	101	Emergency Medicine
67.	Clinical Combined Round (CCR)	Chylothorax unmasking the anchoring bias	28-Jan-25	20	Surgery (JPNATC)
68.	Clinical Pathological Conference (CPC)	Clinical Discussion : Prof. Apul Goel &Pathology Discussion : Dr. Anubhav Narwal	28-Jan-25	35	Urology
69.	Clinical Combined Round (CCR)	Threads of Complexity : Weaving Solutions for Elderly	4-Feb-25	18	Anaesthesiology
70.	Clinical Combined Round (CCR)	Triple Jeopardy Gap :: Non-Union :: Infection	4-Feb-25	12	Neurosurgery Unit - II
71.	Clinical Grand Round (CGR)	The Panorama of MEN Syndromes	4-Feb-25	30	Surgery Unit - III
72.	Clinical Combined Round (CCR)	Dose escalated SBRT in Unresectable carcinoma pancreas - A Glimmer of hope	11-Feb-25	80	Radiotherapy
73.	Clinical Combined Round (CCR)	Ectopia lentis with retinal detachment in a patient with habitus	11-Feb-25	14	Ophthalmic Sciences
74.	Clinical Grand Round (CGR)	Nutrition in CKD	11-Feb-25	43	Nephrology
75.	Clinical Combined Round (CCR)	Hunting for a Five-leaf Clover !	18-Feb-25	149	Medicine Unit II
76.	Clinical Combined Round (CCR)	Clean-Net : Bridging laparoscopy & endoscopy	18-Feb-25	17	Surgery Unit II
77.	Clinical Grand Round (CGR)	A fine balance : Unravelling a new treatable ataxia	18-Feb-25	57	Neurology
78.	Clinical Combined Round (CCR)	Myositis, Nephritis & Ulcerated skin : True mechanism & answers within !	25-Feb-25	31	Rheumatology

79.	Clinical Combined Round (CCR)	Pregnancy after renal transplant : Navigating the complexities	25-Feb-25	26	Obstetrics and Gynaecology Unit I
80.	Clinical Pathological Conference (CPC)	Clinical Discussion : Prof. Nisha Singh & Pathology Discussion : Dr. Ruchi Rathore	25-Feb-25	17	Obstetrics and Gynaecology Unit II
81.	Clinical Combined Round (CCR)	Silent storms in scrub typhus : Bedside EEG to the rescue	4-Mar-25	20	Anaesthesiology
82.	Clinical Combined Round (CCR)	Taming the Giants with Radiosurgery The Mask Man	4-Mar-25	39	Neurosurgery Unit II
83.	Clinical Grand Round (CGR)	Mainstreaming of breast Cancer Genetics : Need, challenges and our early experience	4-Mar-25	84	Surgery Unit III
84.	Clinical Combined Round (CCR)	Depression with severe blepharospasm : A Deep TMS approach	11-Mar-25	65	Psychiatry
85.	Clinical Combined Round (CCR)	Missing the forest for the trees	11-Mar-25	27	Orthopedics
86.	Clinical Grand Round (CGR)	Block on Arrival	11-Mar-25	140	Emergency Medicine
87.	Clinical Combined Round (CCR)	Lambda wave ECG - It's not so Greek after all !	18-Mar-25	28	Cardiology
88.	Clinical Combined Round (CCR)	Pre natal to postnatal continuum : Autograft solution for a congenital defect	18-Mar-25	30	CTVS
89.	Clinical Grand Round (CGR)	Knock, Know ! It's Nocardia : Eight Years of Experience	18-Mar-25	44	Microbiology
90.	Clinical Combined Round (CCR)	Tale of a child with an autoinflammatory syndrome	25-Mar-25	101	Pediatrics Unit I
	Clinical Combined Round (CCR)	Laparoscopy for pediatric pancreatic head tumour : The first total laparoscopic Whipple's procedure	25-Mar-25	18	Pediatrics Surgery
91.	Clinical Pathological Conference (CPC)	Clinical Discussion : Dr. Amit Khosla & Pathology Discussion : Dr. Seema Kashyap	25-Mar-25	48	Ophthalmology

Faculty contributing to various academic activities at the SET Facility by Director, AIIMS.

Sl	Faculty Name	Departments
1.	Dr.V. Seenu	Department of Surgical Disciplines
2.	Dr. Rashmi Ramachandran	Anaesthesiology, Pain Medicine and Critical care
3.	Dr. Devalina Goswami	Anaesthesiology, Pain Medicine and Critical care
4.	Dr. Dalim K Baidya	Anaesthesiology, Pain Medicine and Critical care
5.	Dr. Nishant Kumar	Anaesthesiology, Pain Medicine and Critical care
6.	Dr. Abhishek N	Anaesthesiology, Pain Medicine and Critical care

7.	Dr. Parin Lalwani	Anaesthesiology, Pain Medicine and Critical care
8.	Dr. Shreya B Shah	Anaesthesiology, Pain Medicine and Critical care
9.	Dr. Nishkarsh Gupta	Department of Onco Anaesthesiology
10.	Dr. Rakesh Garg	Department of Onco Anaesthesiology
11.	Dr. Vinod	Department of Onco Anaesthesiology
12.	Dr. Gyanendra Pal Singh	Department of Neuro Anaesthesiology
13.	Dr. Prabudh Goel	Department of Paediatrics Surgery
14.	Dr. Anu Sachdeva	Department of Paediatrics
15.	Dr Rajni Sharma	Department of Paediatrics
16.	Dr. Jhuma Sankar	Department of Paediatrics
17.	Dr. Narendra Bagri	Department of Paediatrics
18.	Dr. K.Aparna Sharma	Department of Obstetrics & Gynecology
19.	Dr. Juhi Bharti	Department of Obstetrics & Gynecology
20.	Dr. Jyoti Meena	Department of Obstetrics & Gynecology
21.	Dr. Vidushi Sinha	Department of Obstetrics & Gynecology
22.	Dr. Archana	Department of Obstetrics & Gynecology
23.	Dr. Anubhuti Rana	Department of Obstetrics & Gynecology
24.	Dr. Deepali	Department of Obstetrics & Gynecology
25.	Dr. Kusum	Department of Obstetrics & Gynecology
26.	Dr. Ravneet Kaur	Centre for Community Medicine
27.	Dr. Harshal Salve	Centre for Community Medicine
28.	Dr. Hemanga K. Bhattacharjee	Dept of Surgical Disciplines
29.	Dr. Suhani	Department of Surgical Disciplines
30.	Dr. Mohit Joshi	Departmentof Surgical Disciplines
31.	Dr. Kamlesh Kumari Sharma	College of Nursing
32.	Dr. Smita Das	College of Nursing
33.	Ms. Levis Murray	College of Nursing
34.	Dr. Arvind Kumar	Department of Medicine
35.	Dr. Ranveer Singh Jadon	Department of Medicine
36.	Dr. Upendra Raj	Department of Medicine
37.	Dr. Akshay Kumar	Department of Emergency Medicine
38.	Dr. Rishi Nayyar	Department of Urology
39.	Dr. Brusabhanu Nayak	Department of Urology
40.	Dr. RK Yadav	Department of Nephrology
41.	Dr. Anju Gupta	Department of Anaesthesia
42.	Dr. Animesh Ray	Department of Medicine
43.	Dr. Pankaj Jorwal	Department of Medicine

CLINICAL EPIDEMIOLOGY UNIT, AIIMS NEW DELHI (2024–2025)

Faculty-In-Charge

Anand Krishnan

The Clinical Epidemiology Unit serves as serve as an inter-departmental facility to build capacity in epidemiology, conduct relevant research. Its vision is to "Build Epidemiological Capacity of AIIMS Staff to Generate Evidence for Strengthening Patient Care at AIIMS". It undertakes multiple activities including Workshops, Guest Lectures, Open Houses.

1. Workshop On Cohort Studies: Design, Methods, And Analysis

The Clinical Epidemiology Unit conducted a full-day workshop series on "Cohort Studies: Design, Methods and Analysis" from 5 March 2024 to 2 April 2024, held on all Tuesdays at CMET Education Hall. The workshop received 29 registrations with 20 faculty members attending the sessions.

The resource faculty for the workshop were Dr. Anand Krishnan, Dr. Sumit Malhotra, Dr. Deepti Vibha, Dr. Harshal Ramesh Salve and Dr. M. Kalaivani. The series included expert guest lectures by extramural faculty covering key methodological and applied aspects of cohort studies as below:

a. Exposure measurement: single/repeated/environmental (Dr. Kameshwar Prasad)

b. Survival Analysis (Dr. RM Pandey, ICMR)

c. Introduction to Garbh-Ini Cohort (Dr. Shinjini Bhatnagar, THSTI)

d. Introduction to CARRS Cohort (Dr. D Prabhakaran, CCDC)

e. Introduction to Biobanking (Dr. Pallavi Kshetrapal, THSTI)

f. Data analytical challenges in cohort studies (Dr. Siddhartha Mandal, CCDC)

2. Workshop On Case-Control Studies: Design, Methods, And Analysis

The Clinical Epidemiology Unit conducted a half-day workshop series on "Case-Control Studies: Design, Methods and Analysis" from 21st January 2025 to 18th February 2025, held on all Tuesdays at CMET Education Hall. The workshop received 53 registrations with 24 faculty members and PhD scholars attending the sessions.

The resource faculty for the workshop were Dr. Anand Krishnan, Dr. Sumit Malhotra, Dr. Deepti Vibha, Dr. Partha Haldar and Dr. M. Kalaivani. The series included expert guest lectures by extramural faculty covering key methodological and applied aspects of case-control studies as below:

a. Mendelian Randomization (Dr. Gagandeep K Walia)

3. Open House: How To Frame A Research Hypothesis?

An Open House on "How to Frame a Research Hypothesis" was conducted by the Clinical Epidemiology Unit on 24 January 2025 (4:00–5:00 pm) at the CMET Technology Hall.

The resource faculty for the session were Dr. Deepti Vibha and Dr. Sumit Malhotra. It was attended by 63 participants and focused on practical guidance for developing clear and testable research hypotheses.

4. CEU also coordinates Fellowship in Research Methods and Evidence Based Medicine. During this period, three fellows were enrolled in the fellowship.

5. CEU also hosts the Census Data Workstation of the Delhi Census Office. It was used for analysis of Data Prevalence and Pattern of disability among Tribal population of West Bengal, Maharashtra, Tamil Nadu and Uttar Pradesh: A review of census data 2011

4. Examination Section

Dean (Examination)

Vijay L Kumar	CS Bal
(Up to 31.07.2024)	(w.e.f. 21.10.2024)

Associate Dean (Examination)

Naval K Vikram

Assistant Controller of Examination

MK Singh

Accounts Officer

Amit Kumar

The Examination Section of AIIMS, New Delhi stands as a cornerstone in the institution's academic infrastructure, meticulously orchestrating the entirety of examination processes with precision and diligence. Responsible for overseeing the entire examination lifecycle, from scheduling and question paper preparation to result processing and record management, this department ensures the seamless execution of assessments for medical students. With a commitment to upholding the highest standards of academic integrity and fairness, the Examination Section works tirelessly to administer exams in a controlled and secure environment, facilitating the evaluation of student's knowledge and skills accurately. Moreover, it plays a pivotal role in implementing policies and guidelines that align with the institution's academic ethos, fostering an environment conducive to learning and excellence.

The Examination Section is complimenting the fulfilment of trinity of Mission of the Institute of Bringing Education, Research and Patient Care to all economic and social sectors of the country without any disparity.

Through its unwavering dedication to good examination practices, regulatory compliance, continuous improvement initiatives, and student-centric approach, the Examination Section of AIIMS, New Delhi epitomizes excellence in medical education assessment, contributing significantly to the institution's esteemed reputation and the development of future healthcare professionals.

MISSION

Conducting examination and assessment of the All India Institute of Medical Sciences with precision, upholding the highest standards of education, quality and competence.

During the period 2024-2025, the Examination Section conducted the following Professional, Entrance and Recruitment Examinations:

A. POSTGRADUATE AND UNDERGRADUATE PROFESSIONAL EXAMINATIONS

Details of various undergraduate and postgraduate professional examinations conducted by the Examination Section, AIIMS New Delhi, from 1 April 2024 to 31 March 2025.

Details of Undergraduate Professional Examinations:-

Number of Exams conducted: 32

Number of candidates appeared: 737

Data of Undergraduate Professional Examinations held between 1 April 2024 – 31 March 2025

S. No.	Month & Year	Examination	Total Candidates	Passed	Fail	Absent
1	**May 2024**	Final M.B.B.S. (Supplementary)	13	07	01	05
2	**May to June 2024**	Second M.B.B.S.	145	122	17	06
3	**July 2024**	First M.B.B.S.	137	121	12	04
4	-do-	B.Sc. in Operation Theatre Technology Phase - I	16	12	04	-
5	-do-	Bachelor of Optometry Phase - I (Supplementary)	05	02	03	-
6	-do-	Bachelor of Optometry Phase - II (Supplementary)	06	03	02	01
7	-do-	Bachelor of Optometry Phase - III (Supplementary)	02	01	01	-
8	-do-	Bachelor of Medical Radiology and Imaging Technology Phase - I	12	05	07	-
9	**August 2024**	Bachelor of Optometry Phase - I	17	13	04	-
10	**August 2024 to September 2024**	First M.B.B.S. (Supplementary)	17	09	06	02
11	**October 2024 to November 2024**	Second M.B.B.S. (Supplementary)	29	24	04	01
12	**November 2024**	B.Sc. in Operation Theatre Technology Phase - I (Supplementary)	06	-	06	-
13	-do-	B.Sc. in Operation Theatre Technology Phase - II	04	03	01	-
14	-do-	Bachelor of Medical Radiology and Imaging Technology Phase – I (Supplementary)	07	02	05	-
15	-do-	Bachelor of Medical Radiology and Imaging Technology Phase - II	09	04	04	01
16	**December 2024**	Final M.B.B.S.	132	114	13	05
17	-do-	Bachelor of Optometry Phase – I (Supplementary)	07	06	-	01
18	-do-	Bachelor of Optometry Phase - II	11	05	-	06
19	-do-	Bachelor of Optometry Phase – III (Supplementary)	01	-	-	01
20	**January 2025**	Second M.B.B.S.	120	108	10	02
21	-do-	Final M.B.B.S. (Compartmental)	04	04	-	-
22	**March 2025**	B.Sc. in Dental Hygiene Phase - III	01	01	-	-
23	-do-	B.Sc. in Dental Operating Room Assistance Phase-III	02	02	-	-
24	-do-	B.Sc. in Operation Theatre Technology Phase - I (Supplementary)	06	05	01	-
25	-do-	B.Sc. in Operation Theatre Technology Phase - II (Supplementary)	01	01	-	-
26	-do-	B.Sc. in Operation Theatre Technology Phase - III	03	03	-	-

27	-do-	Bachelor of Medical Radiology and Imaging Technology Phase - I (Supplementary)	05	02	03	-
28	-do-	Bachelor of Medical Radiology and Imaging Technology Phase - II (Supplementary)	05	05	-	-
29	-do-	Bachelor of Medical Radiology and Imaging Technology Phase - III	09	09	-	-
30	-do-	Bachelor of Optometry Phase - I (Supplementary)	02	02	-	-
31	-do-	Bachelor of Optometry Phase - II (Supplementary)	02	02	-	-
32	-do-	Bachelor of Optometry Phase - III (Supplementary)	01	01	-	-
		TOTAL	**737**	**598**	**104**	**35**

Details of Postgraduate Professional Examinations:-

Number of Exams conducted: 19

Number of candidates appeared: 671

Data of Postgraduate Professional Examinations held between 1 April 2024 – 31 March 2025

S. No.	Month & Year	Examination	Total Candidate	Absent	Passed	Fail
1.	**May 2024**	MD	146	02	143	01
2.	-Do-	MS	18	-	18	-
3.	-Do-	MDS	15	-	15	-
4.	-Do-	Fellowship Programme	18	-	18	-
5.	**July 2024**	M. Biotechnology	17	-	17	-
6.	**December 2024**	MD	136	03	132	01
7.	-Do-	MS	11	-	10	01
8.	-Do-	MDS	13	-	12	01
9.	-Do-	Fellowship Programme	16	-	16	-
10.	**May 2024**	DM	66	-	66	-
11.	-Do-	M.Ch	24	-	24	-
12.	**July 2024**	M.Sc. Courses	44	-	41	03
13.	-Do-	M.Sc. Nursing-I	30	-	29	01
14.	-Do-	M.Sc. Nursing-II	27	-	27	-
15.	**October, 2024**	M.Sc. Courses	04	-	03	01
16.		M.Sc. Nursing –I	01	-	01	-
17.		M.Sc. Nursing - II	01	-	01	-
18.	**December 2024**	DM	54	-	54	-
19.	-Do-	M.Ch.	30	-	30	-
		Total	**671**	**05**	**657**	**09**

B. Entrance Examinations for Undergraduate and Postgraduate courses:

Details of Entrance Examination for Academic Courses:-

Number of Entrance Exams conducted: 16

Number of Applicants: 352996

Number of candidates appeared: 298729

Sl. No.	Courses	Date of Examination	No. of Candidates Applied	No. of Candidates Appeared
1.	INI-CET (MD/MS/MDS) July Session 2024	19.05.2024	89713	86409
2.	INI-SS (DM/MCH/MD-Hospital Administration) (July Session 2024)	27.04.2024	5175	4734
3.	Fellowship Programme July 2024 session	30.04.2024	133	85
4.	B.Sc. (Hons) Nursing 2024	08.06.2024 09.06.2024	121902	102782
5.	B.Sc. Nursing (Post-Basic) 2024	06.06.2024	1002	560
6.	B.Sc. (Hons) Paramedical Courses 2024	06.07.2024	51268	29368
7.	M.Sc. Courses 2024	15.06.2024	1219	825
8.	M.Sc. Nursing 2024	15.06.2024	4273	2750
9.	M. Biotechnology Entrance Examination 2024	15.06.2024	1138	669
10.	Senior Residents Recruitment Examination, July, 2024 Session	13.07.2024	1271	1063
11	Ph.D. July Session 2024	13.08.2024	960	758
12.	Senior Residents Recruitment Examination January, 2025	28.12.2024	982	703
13.	INI-CET (MD/MS/MDS) January 2025 Session	10.11.2024	67731	62548
14.	INI-SS (DM/MCH/MD-Hosp. Admn) January, 2025 Session	25.10.2024	5512	4900
15.	Fellowship Programme January, 2025 session	30.11.2024	87	81
16.	Ph.D. January Sesssion 2025	20.02.2025	630	494
		Grand Total	**352996**	**298729**

Candidate Passed in PhD Viva-Voce Examination

1 April 2024 to 31 March 2025: 52

C. RECRUITMENT EXAMINATIONS DURING 1 April 2024 to 31 March 2025

A. CRE – 2024

S. No.	Post Name	Applied Count	Appeared Count
1.	AIDS Educator-cum-Counsellor/ANM/Nursing Officer/Public Health Nurse/Senior Nursing Officer/Senior Nursing Officer(Nursing Officer Gr.-I)/Staff Nurse Grade-I/ Staff Nurse Grade-I(Sr. Nursing Officer)/TB & Chest Diseases Health Assistant/ Multipurpose Worker	49162	41997
2.	Artist/Modellar(Artist)	92	75
3.	Assistant Dietician/Dietician/Demonstrator(Dietetics & Nutrition)	673	606
4.	Assistant Engineer (A/C&R)/Jr. Engineer (A/C&R)	544	446
5.	Assistant Engineer (Civil)/Jr. Engineer (Civil)	1693	1295
6.	Assistant Engineer (Electrical)/Junior Engineer (Electrical)	1053	814
7.	Assistant Laundry Supervisor/Laundry Supervisor	55	44
8.	Assistant Security Officer	389	318

S. No.	Post Name	Applied Count	Appeared Count
9.	Assistant Warden/Hostel Warden/Junior Warden/Junior Warden(House Keepers)/ Warden/Warden(Hostel Warden)	348	280
10.	Assistant(NS)/Assistant Administrative Officer/Executive Assistant(N.S)/Junior Administrative Officer/Office Assistant(NS)	15752	11799
11	Audiometer Technician/Speech Therapist/Junior Audiologist/Technical Assistant(ENT)	326	262
12.	Bariatric Coordinator	3	2
13.	Bio-Medical Engineer	131	110
14.	Coding Clerk/Medical Record Technicians/Medical Record Assistant/Technical Assistant(MRD)	297	262
15.	Community based Multi Rehabilitation Worker/Social Guide/Social Worker	119	99
16.	CSSD Assistant Grade-I/CSSD Supervisor/CSSD Technician/Senior CSSD Technician	81	70
17.	Data Entry Operator Grade A/Junior Administrative Assistant/Lower Division Clerk/ Senior Administrative Assistant/UDC/Upper Division Clerk	15850	11568
18.	Dental Hygienist/Technical Officer/Dental Mechanic/Technical Officer/Dental Technician(Hygiene)/Dental Technician(Mechanic)/Dental Technician Grade II/ Technical Officer (Dental)/ Dental (Technician)	303	263
19.	Deputy General Manager(Cafeteria)	146	115
20.	Dissection Hall Attendant	99	85
21.	Donor Organizer/Medical Social Welfare Officer Gd.II/Medical Social Worker/ Medical Social Worker(MSW)/Medico Social Service Officer Grade I/Medico Social Worker/Psychatric Social Worker/Medical Social Service Officer Gr. I/Medical Social Service Officer Gr.II/Vocation Counsellor/Health Educator(Social Psychologist)	847	746
22.	Draftsman Grade III	71	53
23.	Dresser/Hospital Attendant/Hospital Attendant Grade III/Hospital Attendant Grade III(Nursing Orderly)/Mortuary Attendant/Multi tasking Staff/Nursing Attendant/Office Attendant Grade II/Office/Stores Attendant(Multi-tasking)/OT Assistant/OT Attendant/ Store Attendant Grade II/Operator (E&M)/ Lift Operator/Dark Room Assistant	24345	18622
24.	Driver/Driver(Ordinary Grade)	555	467
25.	ECG Technician	612	576
26.	Electrician/Lineman(Electrical)/Wireman	511	441
27.	Embryologist	6	5
28.	Fire Technician/Security cum Fire Assistant/Security cum Fire Jamadar	994	782
29.	Jr. Perfusionist/Perfusionist	154	133
30.	Junior Accounts Officer/Junior Accounts Officer(Accountant)/Cashier/Chief Cashier	379	313
31.	Junior Hindi Translator/Senior Hindi Officer	524	454
32.	Junior Radiograher/Radiographer/Radiographic Technician Grade-I/Technician (Radiology)/Dark Room Assistant Grade II	5166	4779
33.	Junior Scale Steno(Hindi)/Personal Assistant/PA to Princial(S)/Private Secretary/ Stenographer/Stenographer Grade-III	4688	4179
34.	Lab Attendant/Lab Attendant Gr.II/Laboratory Assistant/Laboratory Attendant Grade II/Junior Medical Laboratory Technologist/Lab Technician/Medical Laboratory Technologist erstwhile lab Technician/Medical Lab Technologist(MLT)/Senior Technician(Laboratory)/Technical Assistant/Technician/Technician(Anaesthesia/ Operation theatre/ICU)/Technicians Laboratory	13261	12310
35.	Lab. Tech. EEG	96	81

S. No.	Post Name	Applied Count	Appeared Count
36.	Library Attendant Gr. II	656	535
37.	Manifold Technicians (Gas Steward)/Manifold Room Attendants/Gas Mechanic/Pump Mechanic	90	87
38.	Mechanic (AC&R)/Mechanic (Air Conditioning & Refrigeration)	220	205
39.	Mechanic Operator cum Compositor	8	3
40.	Nuclear Medicine Technologist	14	12
41.	Occupational Therapist	114	98
42.	Ophthalmic Technician Grade I/Optometrist/Refractionist/Ophthalmic Technician Gd.I/Technical Officer Ophthalmology(Refractionist)/Technical Officer(Ophthalmic) (Refractionist)	1431	1293
43.	Painter	38	28
44.	Pharma Chemist/ Chemical Examiner/Pharmacist/Pharmacist Grade-II/Dispensing Attendants/Pharmacist (allopathic)	17495	15200
45.	Pharmacist (Ayurvedic)	228	188
46.	Pharmacist (HOMOEOPATHY)	297	244
47.	Plumber	114	101
48.	Programmer	1257	1009
49.	Quality Control Manager	12	7
50.	Radiotheraphic Technician/Technician(Radiotherapy)	575	483
51.	Respiratory Laboratory Assistant	13	12
52.	Statistical Assistant	159	131
53.	Store Keeper(Drugs)	557	490
54.	Tailor Grade III	54	45
55.	Technician (Prosthetics & Orthotics)/Technician Prosthetics & Orthotics (Technical Officer)/Workshop Technician Grade II (R&AL)	289	256
56.	Technician (Telephone) Grade IV/Telephone Operator	43	34
57.	Workshop Assistant(CWS)	74	72
58.	Yoga Instructor	214	181
	Grand Total	**163277**	**135165**

B. Other Recruitment Exams

S. No	Post Name	Applied Count	Appeared Count
1.	PA Departmental	31	23
2.	PS Departmental	17	17
3.	Steno Departmental	9	9
4.	NORCET-6 Stage-1	96603	75505
5.	NORCET-6 Stage-2	8041	7902
6.	NORCET-7 Stage-1	75710	62426
7.	NORCET-7 Stage-2	7829	7732
8.	JAA Departmental	20	19
9.	SAA Departmental	30	23
10.	ICMR	85	78
	Grand Total	**188375**	**153734**

Details of Recruitment Examinations:-

Number of Examination conducted: 68

Number of Applicants: 351652

Number of candidates appeared: 288899

Overall Details of Examinations:-

1. Details of Undergraduate Professional Examination:-
   a. Number of Entrance Exams conducted: 32
   b. Number of candidates appeared: 737
2. Details of Postgraduate Professional Examination:-
   a. Number of Entrance Exams conducted: 19
   b. Number of candidates appeared: 671
3. Details of Entrance Examination for Academic Courses:-
   a. Number of Entrance Exams conducted: 16
   b. Number of Applicants: 352996
   c. Number of candidates appeared: 298729
4. Details of Recruitment Examination:-
   a. Number of Examination conducted: 68
   b. Number of Applicants: 351652
   c. Number of candidates appeared: 288899

Entrance Examinations conducted:

1. INICET for admission to PG courses [(MD/MS/MDS/Mch(6yrs)/DM (6yrs)] was conducted on 19 May 2024 for July 2024 session at 315 Centre and INI-CET for PG courses of INIs was conducted on 10 November 2024 for January 2025 session at 234 centers respectively. The results were declared on 24 May 2024 and 16 November 2024, respectively.
2. INI-SS selection for admission to various Post-Doctoral (super-specialty) courses viz. DM/MCh/MD (Hospital Administration) for July 2024 session was conducted on 27 April 2024 and January 2025 session was conducted on 25 October 2024.
3. The Institute has also conducted CBTs for the Post of Senior Residents/ Senior Demonstrators for July 2024 session was held on 13 July 2024 and for January 2025 session was held on 28 December 2024 respectively.
4. Selections of candidates for registration to PhD programme for July 2024 session was held on 13 August 2024 and January 2025 session was held on 20 February 2025.
5. B.Sc. (Hons.) Nursing course-2024 Entrance Examination was held for AIIMS, New Delhi and other AIIMS on 8 & 9 June 2024 in CBT online mode.
6. The Entrance Examination for admission to MSc Course/M Biotechnology courses August 2024 session held in Delhi/NCR on 15 June 2024 in CBT online mode.
7. B.Sc. Nursing (Post-Basic) was held on 6 July 2024 and MSc Nursing Entrance Examination was held on 15 June 2024 in Delhi and NCR in CBT online mode followed by the personal assessment of candidates on 17 & 18 July 2024.
8. The Entrance Examination for the fellowship programme for July 2024 session was held on 30 April 2024 for January 2025 session exam was conducted on 30 November 2024.
9. The Entrance Examination for BSc (Paramedical) courses for August 2024 session as held on 24 June 2024.

Participation in other events:

1. The Examination Section conducted online seat allocation for admission to INI-CET, INI-SS, BSc (Hons) Nursing, BSc Paramedical, MSc (Nursing) courses, MSc Courses, NORCET, Junior Residents(Non-Acad) with the Faculty & Staff of Academic Section/Recruitment Section participation. The examination Section also actively participates in personnel assessment for B.Sc. (Nursing) Post-Certificate Course.

2. Examination Section also provides technical expertise to various Universities and Institutions in India and abroad for conduct of their various Examinations.

Special Achievement

1. Implementation of Blockchain technology in all Recruitment Examination at AIIMS.
2. Common Recruitment Examination for recruitment in 2024 was conducted in February 2025 for more than 700 posts grouped in 66 groups where more than 2,40,000 application received for recruitment in 28 different Central Govt. Institute/Hospital including AIIMS, New Delhi.

5. General Administration

Additional Director (Administration)
Karan Singh

Deputy Secretary
R Gopinath
(up to 4 March 2025)

The General Administration including Personnel and Establishment, Security, Estate, Engineering Services, Department Stores, Coordination Cell, Parliamentary Matters, Grievances, SC/ST/OBC/Women Cell, Legal Cell etc of the Institute are controlled and supervised by the Additional Director (Admn.). There are branches looking after the above mentioned areas. Each branch is headed by a Senior Officer with supportive officers and staff members. A brief description of the Officers/ Staff looking after various branches is given below:-

Chief Administrative Officer

Deo Nath Sah
(up to 31.12.2023)

Sh. B. S. Gill (officiating)
(w.e.f. 01.01.2024 to till date)

Superintending Engineer

AIIMS Campus
Deepak Kumar Bhutale
(officiating up to 05.12.2024) &
(Regular w.e.f 06.12.2024 to till date)

AIIMS, Jhajjar Campus
Pradeep Kumar (Officiating)
(w.e.f.22.03.2024 to till date)

Executive Engineer

AIIMS Campus
D Vijay Raghwan
(w.e.f 15.10.2022 to till date)
Devender Kumar
(w.e.f 31.12.2024 to till date)
Anuj Agrawal
(w.e.f 04.09.2024 to till date)
Pradeep Kumar
(w.e.f. 27.09.2022 to till date)
Dinesh Kumar
(w.e.f 23.09.2024 to till date)

AIIMS, Jhajjar Campus
Rupnarayan Deogan
(w.e.f. 05.09.2024 to till date)

Chief Security Officer

Col. Digvijay Singh
(w.e.f. 13.03.2024 to till date)

Deputy Chief Security Officers

RS Rawat
(w.e.f 01.11.2011 to 31.08.2024)

Bijender Singh
(w.e.f 31.12.2024 to till date)

Sr. Administrative Officers

Sh. B.S Gill
(w.e.f 01.01.2020 to till date)
Bhoop Singh
(w.e.f. 18.02.2023 to 30.06.2024)
Nirmala J Kujur
(w.e.f 31.08.2024 to till date)
Smt. Anita Tete
(w.e.f. 01.03.2021 to till date)
RK Sharma
(w.e.f. 01.02.2024 to 31.08.2024)
Uttam Chand
(w.e.f 02.09.2024 to till date)

Administrative Officers

Uttam Chand
(w.e.f. 07.12.2020 to 01.09.2024)
Kamal Chandra Bhatt
(w.e.f. 21.10.2022 to till date)
Rajesh Kumar
(w.e.f. 21.10.2022 to till date)
Sohanbir
(w.e.f. 13.03.2023 to till date)
Gyan Chand
(w.e.f. 25.10.23 to till date)
Raj Kumar Bhardwar
(w.e.f 01.09.2024 to till date)
Vishwesh Chaturvedi (on deputation)
(w.e.f. 01.04.2023 to till date)
Pawan Kumar (on deputation)
(w.e.f 27.04.2023 to till date)
Seema Bhutani
(w.e.f 02.01.2025 to till date)
Shashi Kant Kharwar
(w.e.f 28.08.2024 to till date)
Ms. Nirmala J. Kujur
(w.e.f. 29.07.2021 to 30.08.2024)
Joginder Kumar
(w.e.f. 05.12.2020 to till date)
Mrs. Saroj Lal
(w.e.f 21.10.2022 to 31.12.2024)
Anil Kumar
(w.e.f 21.02.2023 to till date)
Devi Parsad
(w.e.f. 25.10.2023 to till date)
Ashok Kumar
(w.e.f. 06.02.2024 to 30.04.2024)
Shashank Chaturvedi (on deputation)
(w.e.f. 31.03.2023 to 31.03.2025)
Ankit Kumar (on deputation)
(w.e.f. 06.04.2023 to till date)
Raj Kumar Bhola
(w.e.f 02.09.2024 to till date)

Assistant Administrative Officers

Shashi Kant Kharwar
(w.e.f 29.07.2021 to 27.08.2024)
Shiv Shankar Singh (nee Dayal)
(w.e.f. 29.07.2021 to 31.07.2024)
Seema Bhutani (Ghai)
(w.e.f. 29.07.2021 to 01.01.2025)
Purnima Ghosh
(w.e.f. 29.07.2021 to 30.04.2024)
Sunil Kumar
w.e.f. 29.07.2021
Ved Prakash
w.e.f. 17.12.2022
Hemant Kumar Sharma
w.e.f 29.08.2024
Attar Singh
w.e.f. 16.12.2022
Raj Kumar Bhola
(w.e.f. 29.07.2021 to 01.09.2024)
Vinod Kumar Sharma
w.e.f. 15.12.2022 to 31.08.2024
Shyam Lal Buswala
(w.e.f. 15.12.2022 to 30.04.2024)
Jyoti Arora (nee Bhutani)
w.e.f. 29.07.2021
Rajiv Mahendru
w.e.f. 15.12.2022
Harvinder Kaur Jolly
w.e.f. 29.07.2021
Manoj Kumar Sharma
w.e.f. 15.12.2022
Mahender Pal Singh
w.e.f. 29.07.2021

Nandan Singh Routela
w.e.f. 15.12.2022
Puran Chand Bhatt
w.e.f. 29.07.2021
Jyoti Kapoor
w.e.f. 15.12.2022
Har Gopal Singh
w.e.f. 15.12.2022
Mangal Singh
w.e.f. 15.12.2022
Sunil Dutt Kaushik
w.e.f. 15.12.2022
Narottam Anand
w.e.f. 15.12.2022
Chandra Bisht
w.e.f.15.12.2022
Ram Surat
w.e.f. 15.12.2022
CG Sathyan
w.e.f.15.12.2022
Jitender Bahal
w.e.f. 15.12.2022
Rekha Rani
w.e.f. 15.12.2022
Mahesh kumar
w.e.f. 15.12.2022
Jitendra Kumar Mehto
w.e.f. 15.12.2022
Deepak Prasad
w.e.f. 16.12.2022
Shyam Sunder Lal
w.e.f. 18.05.2023
Renu Bala
w.e.f. 22.12.2023
Sudha Mahendru
w.e.f. 22.12.2023
Harish Chander
w.e.f. 22.12.2023
Jagdish Chand Thakur
w.e.f 29.08.2024
Sudheer Srivastava
w.e.f 30.06.2024
Pradeep Kumar
w.e.f 30.06.2024
Sudesh Kumar
w.e.f 02.09.2024
Ashok Kumar
w.e.f 02.01.2025

Veena Pathak
w.e.f. 29.07.2021
Jagbeer Singh
w..e.f. 15.12.2022
Pushpa Rani
w.e.f. 22.12.2023
Vasu Dev
w.e.f. 17.12.2022
Kishan Singh Bisht
w.e.f 07.09.2024
Kamal Singh Rana
w.e.f.15.12.2022
Anil Kumar
w.e.f. 15.12.2022
Madhvi
w.e.f.15.12.2022
Krishan Kant Sharma
w.e.f.15.12.2022
Anil Kumar
w.e.f.15.12.2022
Ms. Kavita
w.e.f.15.12.2022
Anil R. Singh
w.e.f. 15.12.2022
Renu Singh
w.e.f.15.12.2022
Suksham(Ingle)
w.e.f. 15.12.2022
Raj Kumar-I
w.e.f. 15.12.2022
Mrs. Sunita
w.e.f. 15.12.2022
Kamla Meena
w.e.f. 15.12.2022
Raviwar Tigga
w.e.f. 15.12.2022
Mrs. J. Chandria
w.e.f. 22.12.2023
Benami
w.e.f. 13.02.2024
Rajendra Kumar
w.e.f.15.12.2022
Narender Singh Bisht
w.e.f 30.06.2024
Kamla Bhakuni
w.e.f 01.09.2024
Ravinder Kumar
w.e.f 02.09.2024

Sr. Stores Officers

Manohar Arya (w.e.f 27.08.2024)	Archna Sharma (w.e.f 27.08.2024)

Store Officers

Manohar Arya (w.e.f 01.01.2019 to 26.08.2024)	Archana Sharma (w.e.f 01.01.2019 to 26.08.2024)
Kamal Singh (w.e.f 03.01.2019 to till date)	Yatendra Kumar (w.e.f 07.01.2021 to till date)
Smt. Suman Narnaulia (w.e.f. 18.01.2023 to till date)	Sh. Hemant Kumar Arora (w.e.f. 17.01.2023 to till date)
Sh. Amit Manav (w.e.f 23.12.2024 to till date)	Sh. Dharam Pal Singh (w.e.f 24.03.2025 to till date)

Responsibilities of Establishment Section and General Administration include recruitment, service matters, conduct meetings of the statutory committees, management of estate and property, purchase of equipment, materials and consumables, security arrangements, employees' welfare, etc.

The total sanctioned staff strength of the Institute is 14770 and In-position till 31.03.2025 is 11692, this include staff of all Centres/Main Hospital/D.O. The number of group-wise sanctioned strength and staff in-position is mentioned below:-

S. No.	Category /Group	Sanctioned Strength	In-position
1.	Group "A" (Faculty)	1306	782
2.	Group "A" (non-faculty)	739	530
3.	Group "B"	8428	7302
4.	Group "C"	4297	3078
	Total	**14770**	**11692**

Composition of SC/ST/OBC/Women Cell (AIIMS)

1.	**Supervising Officer**	Dr. R. Gopinath (IFoS), Deputy Secretary (upto 04.03.2025)
		Sh. B. S. Gill, Chief Administrative Officer (Offciating) w.e.f. 05.03.2025.
2.	**Liaison Officer for SC, ST & PWD**	Dr. Rajpal, Professor of Opthalmology, Dr. RPC w.e.f. 18.03.2014 till 10.03.2025.
	Liaison Officer for SC & PWD	Dr. Rajpal, Professor of Opthalmology, Dr. RPC w.e.f. 18.03.2014 till date.
	Liaison Officer for STs	Dr. V. Darlong, Professor of Anesthesiology w.e.f. 11.03.2025.
	Liaison Officer for OBCs	Dr. Dayanand Sharma, Professor of Radiotherapy w.e.f. 28.01.2021 to 26.02.2025.
		Dr. Sachidanand Bharti, Professor in Onco-anesthesia, Dr. BRAIRCH w.e.f. 27.02.2025.

3.	**Administrative Staff**	Ms. Saroj Lal, the then, Administrative Officer upto 31.12.2024.
		Ms. Jyoti Arora, Assistant Administrative Officer w.e.f. 22.01.2025 to till date.
		Sh. Deshraj, Senior Administrative Assistant
		Sh. T. Guru Venkatesh, Junior Administrative Assistant
		Ms. Pooja Kumari, Data Entry Operator (Outsourced)

Further during the year 2024-25 (01.04.2024 to 31.03.2025) following complaints/representations from SC/ST/OBC and Women (including Sexual Harassment) is as under:

S. No.	Category of Complaints/reports	Total	Disposed	Under Consideration
1.	SC/ST/OBC	17	11	06
2.	Women (including Sexual Harassment)	33	18	15
Total		**50**	**29**	**21**

6. Main Hospital

Medical Superintendent

Nirupam Madaan

Department of Hospital Administration

Professor and Head

Sidhartha Satpathy

Professors

Sanjay Kumar Arya — Amit Lathwal

Mahesh R

Additional Professors

Angel Rajan Singh — Parmeshwer Kumar

Vijaydeep Siddharth — Abdul Hakim Choudhary

Associate Professors

Jitender Sodhi — Vikas H

Assistant Professors

Kanika Jain — Arun Verma — Namrata Makkar

Khalid Mehmood — Nishant Sharma — Kshitija Singh

Bed Complement

Bed Category	Hospital					Centre for Dental Education and Research	Cardiothoracic and Neurosciences Centre
	Main Hospital	B& PS Block	Surgical Block	Mch Block	NCA Block		
General	836	60	173	282	78	15	317
ICU	93	30	10	57	10	-	74
Observation	69	08	00	00	00	05	09
Private Ward	165	10	20	00	19	-	64
Total	**1163**	**108**	**203**	**339**	**107**	**20**	**464**
Grand Total	**1920**						

Hospital Performance Indices

Parameters	Main Hospital		CNC		CDER		Inference
	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	
Average length of stay (days)	**9.6**	**9.5**	**10.3**	**10.8**	**4.8**	**4.7**	*Indicates effective utilization of beds of regular admissions*
Average bed occupancy rate(%)	**83.1**	**85.3**	**84.2**	**78.3**	**77.8**	**71.2**	*Indicates fair occupancy.*

Parameters	Main Hospital		CNC		CDER		Inference
	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	
Net death rate (%)	**1.1**	**1.4**	**1.9**	**2.4**	**0.0**	**0.09**	*Indicates low mortality rate despite the fact that quite large no. of critically ill patients are admitted to the Hospital.*
Combined crude infection rate(%)	0.55-15.14%	7.4%	-	-		-	

6.1 Medical Records Department

Officer Incharge

Nishant Sharma

Medical Record Officer & Sub Registrar (Births & Deaths)

Devanand Sharma

COVID-19 (Pandemic)

The role of **Medical Record Section** is to accumulate the Covid-19 data from the wards of Main Hospital to compile and send to the several agencies and departments of Govt. of India for eg. IDSP, DGHS, DC south, Death Audit Committee, Health care workers, line listing and uploading the information on Covid-19, Data management portal etc. on the daily basis even on Sundays and Gazetted holidays.

Education

Nine Medical Record Technology students from Holy Family Hospital visited Medical Record Section, Main Hospital and a brief lecture was delivered on Medical Record Management at AIIMS by Medical Record Officer on 06-03-2025.

Trainings

Mr. Subhash Chand, Medical Record Technician has been nominated for (Six months) Medical Record Technician Training Program w.e.f. 01/01/2025 to 30/06/2025 conducted at Ram Manohar Lohia Hospital, New Delhi organized by CBHI, Ministry of Health & Family Welfare, Govt. of India.

Court Attendance

A total number of **613** summons/ notices were received in the Medical Record Section (Main Hospital) from various Courts of Delhi and outside Delhi. The concerned doctors/ consultants (as per case) and staffs from the Medical Record Department have been deputed to attend the court on behalf of AIIMS Hospital to depose/settle the case.

AID in Medical Education and Research

Approximately **8074** Medical Case Records (Case Sheets) have been retrieved and issued to the Residents authorized by the concerned Consultants for research, education and other official purposes.

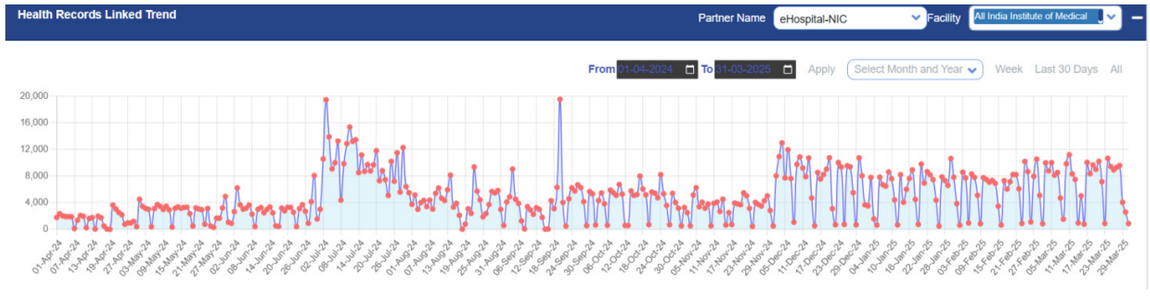
Computerization and Digitization of Medical Records

Digitization of Inpatient medical records of Main Hospital was started from the year 2014 for easy retrieval of records. More than 872312 images (current year 2024-25) case records of the patients have been scanned for future reference.

In-Patient Services

1. The yearly statistical health bulletin at a glance of Main Hospital, C.D.E.R. and C.N. Centre of AIIMS is given at Appendix-I.
2. The AIIMS hospital has maintained its tradition of services and quality of patient care in spite of increasing number of patients who visited the hospital from all over India as well as from abroad. A total number **181229** patients were admitted during the financial year in various clinical units of Main Hospital, C.N. Centre and C.D.E.R. The details of patient load as per Department-wise, State-wise and Gender-wise, Admissions, Discharges and Average Length of Stay are given at Appendix-II, III & V respectively. The details of deaths as per department-wise and its indices are given at Appendix- IV.
3. A total number of **178758** Surgical Procedures (Major and Minor) were performed during the year in various Surgical Disciplines of Main Hospital, C.N. Centre and Centre for Dental & Education Research (CDER) is given at Appendix-VI.
4. Medical Record of indoor patients are systematically classified and categorized for easy retrievals for the purposes of Education, Research/Thesis, Presentation, Insurance, Court Cases etc. These records are stored in the Compactors according to C.R. Numbers. All the In-patient records of Main Hospital, C.N. Centre and Centre for Dental & Education Research (CDER) are maintained separately by Medical Record Section of the Main Hospital.
5. A total number of 13384 patient treated under AB-PMJAY in the AIIMS Hospital.
6. A total number of 236230 ABHA ID created in AIIMS Hospital.

Health Record Linked Trend



Central Admission Office and Hospital Enquiry

1. The Central Admission Office & Enquiry (CAO&E) of AIIMS functions round the clock for 365 days without break.
2. All admissions to the inpatient areas of Main Hospital, C.N. Centre and C.D.E.R. are made through this office. It functions like the heart of the Institute and performing important functions like patient registration for initiation of Admission Slip (Face-Sheet) and issuing of attendant passes etc.
3. The Admission Office also gives information to several ministries as well as to the higher authorities of AIIMS about the hospitalization of VIPs/VVIPs.
4. In addition, the office also functions as a general enquiry providing prompt and accurate information regarding the patients and the Institute. The staffs working there are on shift duties and are manned by Medical Record Officer and Medical Record Technicians etc.

Out Patient Department and Specialty Clinics

A total number of **2268551 Patients** attended various General Out-Patients Department (OPD), Specialty Clinics and Emergency Department of the Main Hospital, AIIMS. The details of the out-patients load profile are given at Appendix-VII.

OTHER ACTIVITIES

S.No.	Name of activity	Total Numbers
1.	Amendments made in the Inpatients Records during the year	931
2.	Amendments made in the Birth Records during the year	696
3.	Amendments made in the Death Records during the year	624
4.	Admission & other charges exempted for Indigent patients and patients admitted under JSSK Scheme in Main Hospital & CDER	10890
5.	Admission & other charges exempted for Indigent patients and patients admitted under JSSK Scheme in C.N. Centre	1117 (CNC)

The statistical data for the year 2024–2025 (Annual Report) has been prepared/compiled by **MR. RAJBIR SINGH**, Medical Record Technician under the supervision of Medical Record Officer.

Table I. Yearly Statistical Health Bulletin –AT A GLANCE (APPENDIX-I)

S. No.	Item	Main Hospital		CT and NS Centre		CDER	
		2024-25	2023-24	2024-25	2023-24	2024-25	2023-24
1.	Total Patient Admitted	**158450**	**139290**	**21377**	**20476**	1402	1115
	a. Adults and Children	158450	139290	-	-	-	-
	—Regular	50071	47527	14485	13570	1169	967
	—Short	108379	91763	6892	6906	233	148
	b. Newborn infants	2767	3059	-	-	-	-
	Regular	2767	3059	-	-	-	-
	Short	00	00	-	-	-	-
2.	Patients discharged (including LAMA, absconded, discharge on request and deaths)	**149629**	**132241**	**20872**	**20280**	1325	1063
	a. Adults and Children	149629	132241	-	-	-	-
	—Regular	48315	45628	14358	13641	1117	929
	—Short	101314	86613	6514	6639	208	134
	b. Newborn infants	2696	2920	-	-	-	-
	—Regular	2696	2920	-	-	-	-
	—Short	00	00	-	-	-	-

S. No.	Item	Main Hospital		CT and NS Centre		CDER	
		2024-25	2023-24	2024-25	2023-24	2024-25	2023-24
3.	Total days of care	**563379**	**521004**	**155020**	**153784**	5576	4507
	a. Adult and Children	462065	434391	-	-	-	-
	—Regular	440630	409791	148506	147145	5368	4373
	—Short	101314	86613	6514	6639	208	134
	b. New born infants	21435	24600	-	-	-	-
	—Regular	21435	24600	-	-	-	-
	—Short	00	00	-	-	-	-
4.	Average length of stay of (ALS-Regular patients)	**9.6**	**9.5**	**10.3**	**10.8**	4.8	4.7
	a. Adult and Children	9.7	9.6	-	-	-	-
	b. New born infants	8.0	8.4	-	-	-	-
5.	Total patient care days (as per daily census)	**427362**	**425451**	**139787**	**129985**	4262	3900
	a. Adult and Children	417422	417896	-	-	-	-
	b. New born infants	9940	7555	-	-	-	-
6.	Daily average number of patients (as per daily census)	**1171**	**1166**	**383**	356	12	11
	a. Adult and Children	1144	1145	-	-	-	-
	b. New born infants	27	21	-	-	-	-
7.	Average bed occupancy	**83.1**	**85.3**	**84.2**	**78.3**	77.8	71.2
	a. Adult and Children	83.5	85.4	-	-	-	-
	b. New born infants	69.8	79.6	-	-	-	-
8.	Births in Hospital	**2767**	**3059**	**-**	**-**	-	-
	a. Male	1467	1607	-	-	-	-
	b. Female	1298	1451	-	-	-	-
	c. Inter sex	02	01	-	-	-	-
9.	Total Deaths in IPD (including new born)	**2330**	**2615**	**566**	**695**	00	01
	a. Deaths under 48 hours	758	792	168	207	00	00
	b. Deaths over 48 hours	1572	1823	398	488	00	01
	c. Gross death rate (%)	1.6	2.0	2.7	3.4	0.0	0.09
	d. Net death rate (%)	1.1	1.4	1.9	2.4	0.0	0.09

S. No.	Item	Main Hospital		CT and NS Centre		CDER	
		2024-25	2023-24	2024-25	2023-24	2024-25	2023-24
10.	Total attendance in casualty	**152440**	**124442**	**-**	**-**	-	-
	Deaths	1505	1399	-	-	-	-
	Brought dead	1567	1294	-	-	-	-
11.	OPD Attendance including Special Clinics (Main Hospital)	**2116111**	**2172531**	**-**	**-**	-	-
	New cases	684788	765723	-	-	-	-
	Old cases	1431323	1406808	-	-	-	-

Table II. Department-wise admissions (Main Hospital and CN Centre and CDER) (APPENDIX-II) 2024-2025

Department	Admission		Discharges (including LAMA, absconded, OR, deaths)		Total days of care		Average length of stay of regular admissions
	Regular	Short	Regular	Short	Regular	Short	
Anesthesiology (Pain Clinic)	00	855	00	846	00	846	0.0
Dermatology and Venereology	626	1201	597	1138	8030	1138	13.5
Endocrinology and Metabolism	490	38	485	33	7980	33	16.5
Gastroenterology and Human Nutrition	2110	7793	2164	7356	26222	7356	12.1
Gastrointestinal Surgery and Liver Transplantation	1258	852	1244	768	17368	768	14.0
Geriatric medicine	1680	2811	1682	2558	21617	2558	12.9
Haematology	1611	18963	1556	18600	22398	18600	14.4
Medicine I	943	980	1200	930	15489	930	12.9
Medicine II	903	695	653	594	7358	594	11.3
Medicine III	1074	818	887	715	9921	715	11.2
Nephrology	1135	14745	742	13880	9158	13880	12.3
Newborn	2767	00	2696	00	21435	00	8.0
Neonatal ICU (NICU)	218	19	221	20	2375	20	10.7
Nuclear Medicine	331	96	305	85	778	85	2.6
Obstetrics and Gynaecology I	3106	2993	3028	2913	22899	2913	7.6
Obstetrics and Gynaecology II	2048	2210	2006	2072	17473	2072	8.7
Obstetrics and Gynaecology III	2728	2425	2535	2290	17602	2290	6.9
Oncology (Main)	594	07	578	01	5196	01	9.0
Orthopaedics I	1334	3377	1992	2995	12683	2995	6.4
Orthopaedics II	2338	4319	1402	3907	9613	3907	6.9

Department	Admission		Discharges (including LAMA, absconded, OR, deaths)		Total days of care		Average length of stay of regular admissions
	Regular	Short	Regular	Short	Regular	Short	
Otorhinolaryngology I	708	1314	819	1226	6170	1226	7.5
Otorhinolaryngology II	933	1435	646	1247	4438	1247	6.9
Otorhinolaryngology III	839	1479	624	1287	4247	1287	6.8
Paediatrics I	1187	5826	1168	5676	12374	5676	10.6
Paediatrics II	847	3301	744	3185	9384	3185	12.6
Paediatrics III	1152	9452	1134	9150	12100	9150	10.7
Paediatric Surgery	1950	1629	1978	1528	18177	1528	9.2
Physical Medicine and Rehabiliatation	29	01	26	01	1235	01	47.5
Psychiatry	327	00	285	01	9591	01	33.7
Pulmonary Medicineand Sleep Disorders	815	5173	771	4971	7416	4971	9.6
Plastic and Reconstructive Surgery	2927	807	3037	817	35174	817	11.6
Radiotherapy	02	01	01	07	03	07	3.0
Rheumatology	41	1733	27	1705	239	1705	8.9
Surgical Disciplines I	1373	1161	1329	860	11638	860	8.8
Surgical Disciplines II	1623	850	1432	483	11513	483	8.0
Surgical Disciplines III	1096	669	1216	383	10476	383	8.6
Surgical Disciplines IV	1463	905	1570	545	12411	545	7.9
Surgical Disciplines V	1891	1126	1935	731	13338	731	6.9
Surgical Disciplines VI	1078	940	1200	650	9574	650	8.0
Urology	2496	5380	2400	5160	16972	5160	7.1
Total (Main)	**50071**	**108379**	**48315**	**101314**	**462065**	**101314**	**9.6**
Cardiology	5719	2337	5762	2180	38329	2180	6.7
Cardiothoracic and Vascular Surgery	2991	18	2979	16	40529	16	13.6
Neurology I	752	900	885	874	10014	874	11.3
Neurology II	998	712	948	646	10127	646	10.7
Neurology III	925	1082	762	1065	8093	1065	10.6
Neurosurgery I	1208	1022	1267	944	19981	944	15.8
Neurosurgery II	1408	915	1294	783	18551	783	14.3
Neuroradiology	484	06	461	06	2882	06	6.3
Total (CNC)	**14485**	**6992**	14358	**6514**	**148506**	**6514**	**10.3**
CDER							

Fig.1: Department wise Admission (Main Hosp., CNC & CDER)-2024-2025

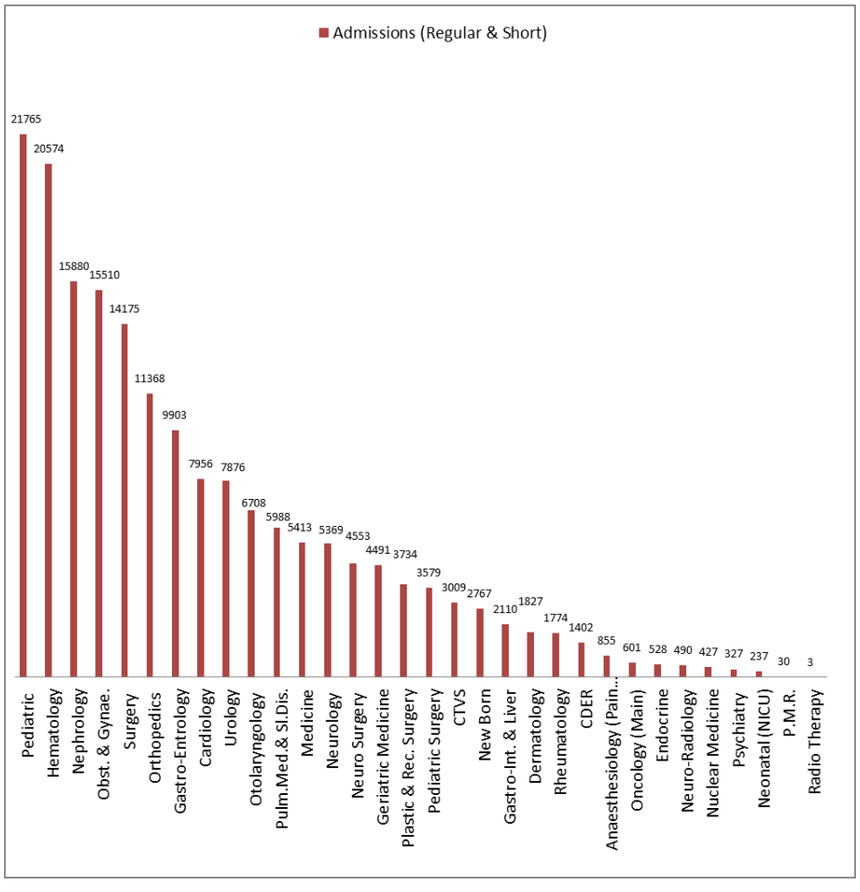


Fig 2. Department-wise average length of stay (Main Hosp., CNC & CDER Regular)-2024-2025

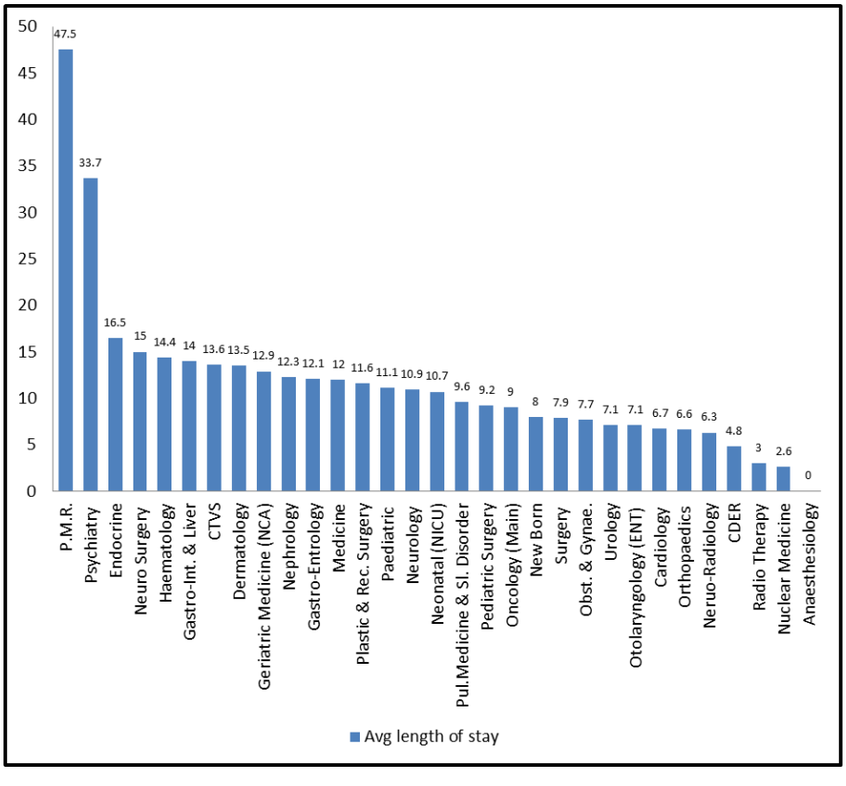


Fig 3. Gender-wise inpatients in Main Hospital, CN Centre and CDER-2024-2025

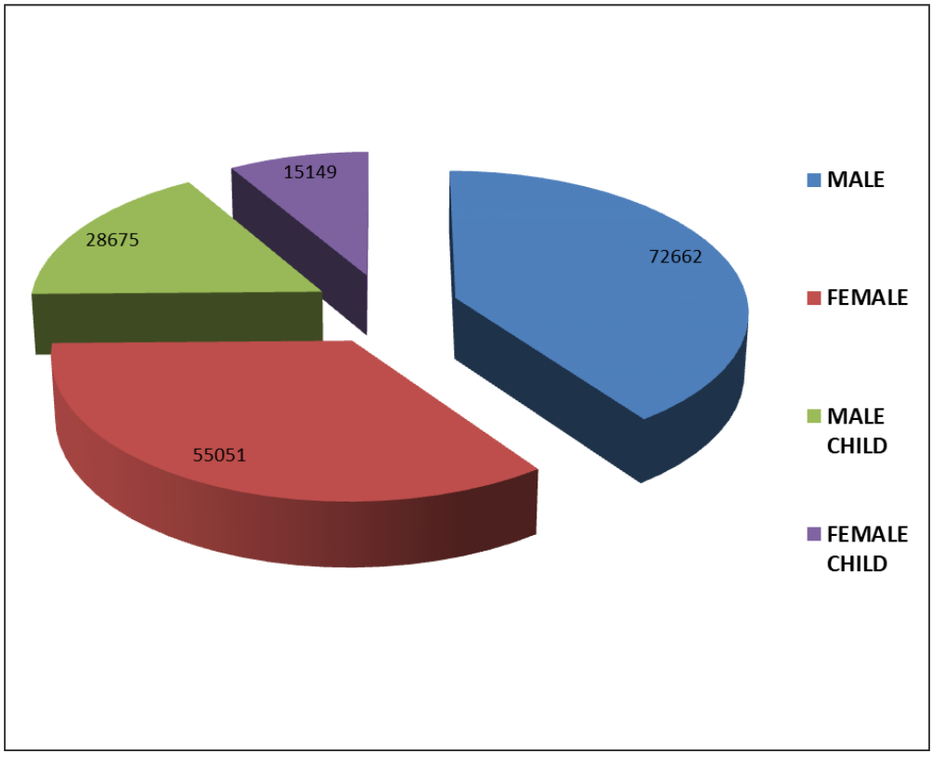


Table III. Department-wise deaths in Main Hospital CDER and CN Centre 2024-2025

Department	Discharges	Total Deaths	Deaths under 48 hrs.	Deaths Over 48 hrs.	Gross Deaths Rate in %	Net Deaths Rate in %
Anesthesiology (Pain Clinic)	846	00	00	00	0.0	0.0
Dermatology and Venereology	1735	07	00	07	0.4	0.4
Endocrinology and Metabolism	518	05	00	05	1.0	1.0
Gastroenterology and Human Nutrition	9520	364	155	209	3.8	2.2
Gastrointestinal Surgery and Liver Transplantation	2012	64	13	51	3.2	2.6
Geriatric medicine (NCA)	4240	207	46	161	4.9	3.8
Haematology	20156	210	70	140	1.0	0.7
Medicine I	2130	154	56	98	7.2	4.7
Medicine II	1247	110	38	72	8.8	6.0
Medicine III	1602	158	68	90	9.9	5.9
Nephrology	14622	46	22	24	0.3	0.2
Newborn	2696	43	16	27	1.6	1.0
Neonatal ICU (NICU)	241	11	03	08	4.6	3.4
Nuclear Medicine	390	00	00	00	0.0	0.0

Department	Discharges	Total Deaths	Deaths under 48 hrs.	Deaths Over 48 hrs.	Gross Deaths Rate in %	Net Deaths Rate in %
Obstetrics and Gynaecology I	5941	05	03	02	0.08	0.03
Obstetrics and Gynaecology II	4078	01	01	00	0.02	0.0
Obstetrics and Gynaecology III	4825	03	00	03	0.06	0.06
Oncology (Main)	579	190	83	107	32.8	21.6
Orthopaedics I	4987	03	00	03	0.06	0.06
Orthopaedics II	5309	02	01	01	0.03	0.02
Otorhinolaryngology I	2045	05	03	02	0.2	0.1
Otorhinolaryngology II	1893	10	01	09	0.5	0.5
Otorhinolaryngology III	1911	05	03	02	0.3	0.1
Paediatrics I	6844	63	14	49	0.9	0.7
Paediatrics II	3929	70	18	52	1.8	1.3
Paediatrics III	10284	71	17	54	0.7	0.5
Paediatric Surgery	3506	46	03	43	1.3	1.2
Physical Medicine and Rehabiliatation	27	00	00	00	0.0	0.0
Psychiatry	286	00	00	00	0.0	0.0
Pulmonary Medicine and Sleep Disorders	5742	92	36	56	1.6	1.0
Plastic and Reconstructive Surgery	3854	162	42	120	4.2	3.1
Radiotherapy	08	00	00	00	0.0	0.0
Rheumatology	1732	00	00	00	0.0	0.0
Surgical Disciplines I	2189	46	04	42	2.1	1.9
Surgical Disciplines II	1915	44	12	32	2.3	1.7
Surgical Disciplines III	1599	34	03	31	2.1	1.9
Surgical Disciplines IV	2115	25	06	19	1.2	0.9
Surgical Disciplines V	2666	33	09	24	1.2	0.9
Surgical Disciplines VI	1850	34	07	27	1.8	1.5
Urology	7560	07	05	02	0.09	0.03
Total (Main hospital)	149629	2330	758	1572	*1.6*	*1.1*
Cardiology	7942	182	92	90	2.3	1.1
Cardiothoracic and Vascular Surgery	2995	179	33	146	6.0	4.9
Neurology I	1759	36	08	28	2.0	1.6
Neurology II	1594	21	04	17	1.3	1.1
Neurology III	1827	29	07	22	1.6	1.2

Department	Discharges	Total Deaths	Deaths under 48 hrs.	Deaths Over 48 hrs.	Gross Deaths Rate in %	Net Deaths Rate in %
Neurosurgery I	2211	35	11	24	1.6	1.1
Neurosurgery II	2077	67	10	57	3.2	2.8
Neuroradiology	467	17	03	14	3.6	3.0
Total (CNC)	20872	566	168	398	*2.7*	*1.9*
CDER	1063	01	00	01	0.09	0.09

Fig 4. Geographical distribution of inpatients (Main Hospital, CN Centre and CDER)-2024-2025

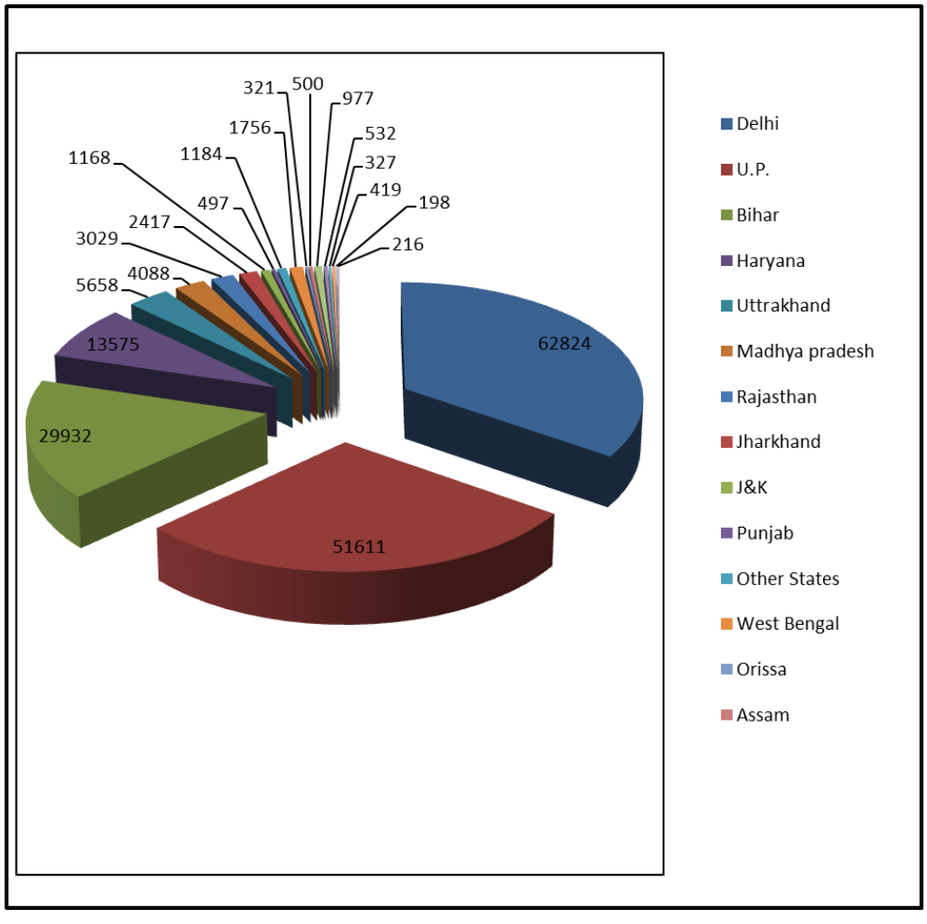


Table IV. Surgical procedures done in the Main Hospital, CDER and CN Centre 2024-2025

DEPARTMENT	Major	Minor		TOTAL
		Inpatient cases	Outpatient cases	
Surgical Disciplines - I	1205	229	2579	4013
Surgical Disciplines - II	1047	284	2372	3703
Surgical Disciplines - III	966	183	2123	3272

DEPARTMENT	Major	Minor		TOTAL
		Inpatient cases	Outpatient cases	
Surgical Disciplines - IV	1380	421	2910	4711
Surgical Disciplines - V	1533	472	3067	5072
Surgical Disciplines - VI	1053	81	2685	3819
Gastrointestinal Surgery and Liver Transplantation	1106	01	00	1107
Urology	2090	620	19071	21781
Obstetrics	1601	00	00	1601
In vitro fertilization	00	2366	00	2366
Gynaecology - I	802	865	00	1667
Gynaecology - II	545	591	00	1136
Gynaecology - III	735	674	00	1409
Fetal Medicine	00	1180	00	1180
Otorhinolaryngology - I	1306	110	12069	13485
Otorhinolaryngology - II	1605	59	10774	12438
Otorhinolaryngology - III	1554	94	12287	13935
Orthopaedics - I	1794	1136	00	2930
Orthopaedics - II	2117	1547	00	3664
Paediatric Surgery	2657	02	00	2659
Casualty	17	214	00	231
Plastic and Reconstructive Surgery	2836	831	12902	16569
Anaesthesiology (Pain Clinic)	03	812	00	815
Haematology	00	00	00	00
Physical Medicine and Rehabilitation	00	00	5458	5458
Dermatology and Venereology	00	00	13362	*13362*
Total (*Main hospital*)	*27952*	*12772*	*101659*	*142383*

CTVS	3422	00	00	3422
Neurosurgery - I	1490	73	00	1563
Neurosurgery - II	1568	92	00	1660
Total (CNC)	***6480***	***165***	***00***	***6645***

Dental Surgery/CDER	862	70	26798	29730

Table V. Attendance in outpatients and specialty clinics 2024-2025

Medical Disciplines		New Cases	Old Cases	Total
Medicine	General OPD	50465	129796	180261
	a) Obesity and metabolic disorders	141	361	502
	b) Infectious disease clinic	1741	6479	8220
Rheumatology	General OPD	6813	26192	33005
	c) Rheumatology clinic	38	3021	3059
Geriatric Medicine		14910	49725	64635
Pulmonary Medicine & Sleep Disorders	General OPD	10051	28978	39029
	a) Sleep disorder	174	514	688
	b) Lung cancer	371	1239	1610
	c) ILD - PAH	285	1415	1700
	d) Combined pulmonary surgery	341	805	1146
Nuclear Medicine		2963	9606	12569
Endocrinology and Metabolism		12287	54460	66747
Nephrology	General OPD	6596	44771	51367
	a) Transplant clinic	119	11779	11898
	b) RTCC	483	4344	4827
Haematology		8818	14242	23060
Gastroenterology		28795	72899	101694
Paediatrics	General OPD	34003	93038	127041
	a) Well baby	799	447	1246
	b) Follow up TB	147	1362	1509
	c) Renal clinic	402	1803	2205
	d) Paediatric neurology	503	2207	2710
	e) Paediatric chest clinic	282	2984	3266
	f) High risk neonatal	307	1770	2077
	g) Genetic andbirth defectsclinic	6011	6166	12177
	h) Oncology clinic	377	2190	2567
	i) Child development clinic	293	1223	1516
	j) Endocrinology clinic	272	1125	1397
	k) Neurocysticercosis clinic	76	585	661
	l) PCSC	327	1835	2162
	m) Rheumatology clinic	235	1595	1830
	n) Myopathy clinic	390	1571	1961
	o) Paediatric gastroenterology clinic	272	1639	1911
	p) Autism	659	1328	1987

Medical Disciplines		New Cases	Old Cases	Total
Dermatology and Venereology	General OPD	41401	80388	121789
	a) STD (Dermatology surgery)	1406	2608	4014
	b) Allergy clinic	336	649	985
	c) Leprosy	310	2480	2790
	d) Psoriasis	223	845	1068
	e) Dermo-Surgery	963	1152	2115
	f) Vitiligo	258	840	1098
	g) Photo Therapy	56	318	374
	h) Photo Dermatology	21	95	116
	i) Paediatric Dermatology	128	324	452
Psychiatry	General OPD	17385	80736	98121
	a) Child guidance	16	39	55
	b) Case Progress Clinic	00	00	00
	c) Consulation Liasion Addiction	323	1099	1422
	Sub Total	253572	755067	1008639

Disciplines		**New Cases**	**Old Cases**	**Total**
Surgery		45249	54623	99872
Plastic Surgery		5217	21788	27005
Urology		16479	30735	47214
G.I. Surgery		4420	12687	17107
Paediatric Surgery (Specialty Clinics)	**General O.P.D.**	8084	17856	25940
	a) Hydrocephalus	05	02	07
	b) Paed. Urology	715	2242	2957
	c) P.S.T.C.	17	75	92
Anesthesiology	a) Pain Clinic	1222	4950	6172
	b) Pre-Anesthesia Clinic	14779	2614	17393
Orthopedics (Specialty Clinics)	**General O.P.D.**	53680	152675	206355
	a) Physio Therapy	27293	15246	42539
	b) Occupational Therapy	1112	4407	5519
	c) Hydro Therapy	665	2913	3578
	e) Tuberculosis	00	00	00
	f) Scoliosis	177	498	675
	g) Hand Clinic	78	180	258
	h) C.T.E.V.	172	3228	3400
	i) Sports Clinics	07	10	17
	j) Fragility Fracture Clinic & Liaison Services	00	00	00
	h) Bone & Soft Tissue Sarcoma Clinic	00	01	01

Disciplines		New Cases	Old Cases	Total
Otorhino-laryngology (E.N.T.) (Specialty Clinics)	**General O.P.D.**	36957	76609	113566
	a) Audiology	54	28	82
	b) Speech	3220	3350	6570
	c) Hearing	139	112	251
	d) Voice	221	92	313
	e) Vertigo	121	283	404
	f) Rhinology	82	37	119
	H.N.& R.	150	227	377
Obstetrics & Gynaecology (Specialty Clinics)	**General O.P.D.**	35411	98370	133781
	a) IVF	890	1241	2131
	b) Family Welfare	1946	4978	6924
	c) Antenatal	547	2248	2795
	d) Endo-Gynecology	94	151	245
	e) High Risk Pregnancy	2046	9448	11494
Radio-Therapy		00	75	75
Physical Medicine & Rehabilitation (Specialty Clinics)	**General OPD**	15036	30517	45553
	a) Prosthetics & Orthotics	4015	9137	13152
	b) Disability Evaluation Clinic	139	307	446
	c) OPD (PT Section)	00	19741	19741
	d) OPD (OT Section)	00	5799	5799
	e) OPD (MSSO)	00	00	00
OTHERS	1. Emergency/Casualty	99109	53331	152440
	2. E.H.S.	130165	86776	216941
	3. Nutrition	20612	00	20612
Sub Total		***530325***	***729587***	***1259912***
Grand Total		***783897***	***1484654***	***2268551***

6.2 Dietetics

The approximate yearly data of different types of diet provided to the indoor patient of Main Hospital and centers comprising around 05 meals in a day are given in Table -1

Table 1. Total number of Hospital diets for Main Kitchen, AIIMS Hospital

Types of Diet	Number of Patients
Normal diet	418548
Private diet	81875
Semi-solid diet	40887
Therapeutic diet	83466
Kitchen Feed	44349
Guest House	1934
Total	**671059**

Nutrition Counseling: Nutrition Counseling is also run at New RAK OPD by the Dieticians of Main Hospital. Total number of indoor and outdoor patient given nutrition counseling is given in Table -2

Table 2 Total number of Nutrition counseling

Gender	OPD	Indoor	Total
Male	7783	6702	14485
Female	6908	6379	13287
Total	**14691**	**13081**	**27772**

6.3 Medical Social Welfare Unit (H)

Chief Medical Social Welfare Officer

BR Shekhar

Chief Medical Social Welfare Officer

Pankaj Kumar

Highlights

The Medical Social Welfare Officer (MSSO) is an indispensable member of the 'Multi-professional Health Care Team' who creates a *therapeutic network* among Doctor, Patient, Family and Community.

The Medical Social Welfare Unit (H) is working under the supervision of Medical Superintendent since its inception in 1960 to provide social, psychological and financial support for patients and to alleviate distress while receiving treatment. The MSW Unit (H) has 16 Medical Social Welfare Officers (MSWOs) taking care of OPDs and Wards of 20 important Departments including National Centre for Ageing, Surgical Block, Burns and Plastic Surgery Block, Centralized Ayushman Bharat Kendra in the main hospital. 24x7 Emergency Social Welfare Services is also managed by MSW Unit (H).



World Social Work Day: World Social Work day 2025 was celebrated on 18 March 2025 with theme Strengthening Intergenerational Solidarity for Enduring Wellbeing' at Dr Ramalingaswamy Board Room. The event was graced with the presence of Director, AIIMS, Sh. Alok Kumar, Founder & Patron of Dadhichi Deh Dan Samiti, Professor Sanjay Rai, CCM, Dr. Jahanara, HOD, Department of Psychiatry, IHBAS and various dignitaries from AIIMS.



Collaborative Meeting- A collaborative meeting between AIIMS and Business Sweden to design a comprehensive training program for healthcare professional including Medical Social Workers working in Hospital setting across the country.



Meeting with YouWeCan- A meeting of Social Campaign YouWeCan at Hotel Pullman for Breast Cancer Patient. A Social Campaign to screen 2 lakhs Breast Cancer in India.



MoU with Fiem Foundation- The MoU was signed between AIIMS and Fiem Foundation for patient welfare project.




Wish granting initiative: Coordinated and organized the wish-granting of approx 400 children through 3 major events in AIIMS.



BPS Week- BPS week was celebrated in BPS block to bring awareness about burn.




Celebration with children: Diwali & Christmas celebration with gift distribution was organized in Pediatric Surgery Wards.

Education and Lecture delivered

1. Mr BR Shekhar, Chief MSWO, Mr. Anil Mali and Vivek Kumar Singh took orientation session for 30 students and one faculty member of Social Work from Yashvantrao Chauhan School of Social Work Maharashtra on 25 February 2025
2. Mr BR Shekhar, Chief MSWO attended annual seminar of Indian Cancer Society as a Panelist at India International Center, New Delhi and shared my insight on the Social Care of Cancer Patients

3. Mr BR Shekhar, Chief MSWO took a session on Medical Social Welfare Services for Assistant Hospital Managers of Madhya Pradesh Government at National Institute of Health and Family Welfare.
4. Mr BR Shekhar, Chief MSWO took a session and Group discussion on Medical Social Services for PGDM-Hospital Management Training Program at National Institute of Health and Family Welfare on 28 June 2024.
5. Mr BR Shekhar, Chief MSWO was invited as a Chief Guest for Training Course on Patient Care Management and Welfare for Medical Social Workers and Counselors from 24tt to 28th March 2025 at Department Of Social Sciences at National Institute of Health and Family Welfare.
6. Mr. B. R. Shekhar, Chief MSWO took a session on role of Medical Social Workers in Hospital setting for Medical Social Workers and Counselors from 24 to 28 March 2025 at Department of Social Sciences at National Institute of Health and Family Welfare for Training Course on Patient Care Management and Welfare for Medical Social Workers and Counselors.
7. Mr BR Shekhar, Chief MSWO, Ms Leema Maiti and Dr Kirti Arya attended Training Program NABH from 19 September 2024 to 21 September 2024 at AIIMS, New Delhi.
8. Mr Amit Kumar, MSWO was invited as esteemed speaker in CSR Health Impact Awards and shared views on the topic 'From potential to purpose: Unlocking CSR for NCD management with focus on cancer and Rare disease at Crowne Plaza, New Delhi.
9. Ms. Leema Maiti, MSWO took multiple sessions with Faculty, Residents, Nursing of various Departments/ Centres regarding AB-PMJAY.

PATIENT CARE

Patient care/supportive activities:

1. Cashless treatment of entitled AB-PMJAY scheme beneficiaries.
2. Exemption of hospital charges
3. Free medicines/surgical items by the hospital for indoor patients
4. Financial assistance through Umbrella Scheme of Rashtriya Arogya Nidhi (RAN), Prime Minister's National Relief Fund (PMNRF), Chief Minister's Fund, Delhi Arogya Nidhi (DAN), Vice-President's Fund and other such funds for medical treatment
5. Rehabilitation of Unknown/Without attendant/Destitute/Orphan patients
6. Resource mobilisation through government & non-government agencies
7. Counseling & Guidance to patients and their attendants as per the need & requirements
8. Railway concession to outstation patients as per government rules
9. Health education & awareness through Seminars, Lectures, one-to-one counselling, Group-work and IEC material etc.
10. Counseling & coordination for authorization of organ donors; and awareness/motivation to prospective organ donors.
11. Capacity building and sensitization of Social Work students and Healthcare professionals
12. Short-term and long-term Research activities to improve evidence-based practice
13. Management & supervision of the accommodation facilities at AIIMS Vishram Sadans
14. 24X7 Patient's Welfare Services in Department of Emergency

Sl No	Welfare Services (2024-25)	Beneficiaries
1	AB-PMJAY beneficiaries patient	13679
2	Financial assistance through RAN Umbrella scheme	HMDG – 131 RAN – 77 (online) 150 (offline)

Sl No	Welfare Services (2024-25)	Beneficiaries
3	Delhi Arogya Kosh	Online- 51 Offline-65
4	Financial assistance through AIIMS Poor Fund	88
5	Financial assistance through Trust/Foundations (Approx data)	73
6	Free medicines/surgical items for admitted patients (Approx data)	7000
7	Online/Offline Exemptions of hospital charges (Approx data)	-
8	Rehabilitation of Unknown/Without attendants patients (Approx)	325
9	Authorization of unrelated Organ Donors under THOA-1994	16
10	Railway Concession (Approx data)	12000
12	Wish granted through Make a wish- India	400
13	Donation of Mattresses for AIIMS Vishram Sadan	249
14	Counseling and Guidance to patients/ attendants (Approx)	50,000
15	One Stop Centre cases (24X7)	1050

AWARDS, HONOURS AND SIGNIFCANT EVENTS

Mr BR Shekhar, Chief MSWO appointed as member of Professional Council of the National Commission for Allied and Healthcare Professions to contribute towards landmark decisions to standardize the Allied Healthcare Profession in the country. He has been nominated as member of AIIMS CSR Committee. He was honored with token of appreciation from the HOD Dept. of Plastic, Reconstructive, and Burns Surgery at AIIMS, New Delhi, for World Burns week in November 2024. He was appointed as Election Officer for conduct of the elections of AIIMS Officer Association at AIIMS for 2025 to 2028 and the election was conducted in a fair and peaceful manner on 27 March 2025.

PICTURE GALLERY



Figure 1 Wish grant event



Figure 2 Christmas Celebration



Figure 3 Indian Cancer Society Event



Figure 4 Student Orientation



Figure 5 Training to OTA



Figure 6 German Dignitary Visit



Figure 7 Visram Sadan Activity



Figure 8 Institute Day Poster



Figure 9 World Social Work Day

6.4 Nursing Services

Organization of Nursing Services

Chief Nursing Officer

⇩

Nursing Superintendent

⇩

Deputy Nursing Superintendent

⇩

Assistant Nursing Superintendent

⇩

Senior Nursing Officer

⇩

Nursing Officer

Nursing service is an integral part of AIIMS, which aims at high quality nursing care to the patients and community. The professional nurses work in an environment that encourages professionalism and expertise in providing comprehensive patient care with the members of allied disciplines in the hospital.

Staff Strength

The main stratum of workforce in AIIMS is constituted by the well trained professional nurses from different departments. Staffing in nursing service is based on SIU (Staff Inspection Unit) norms in AIIMS.

Staff Strength in Hospital & Centers	
Chief Nursing Officer	01
Nursing Superintendent	06
DNS	40
ANS	216
Senior Nursing Officer	1005
Nursing Officer	4265
Total	**5533**

Continuing Nursing Education (April 2024 - March 2025)

Nursing staff education is carried out throughout the year by in-service and continuing education programs to update the clinical knowledge of practicing nurses thereby aiming at improving standard of nursing care at AIIMS.

Nursing in-service education program

A well-structured in-service education program has been initiated since January 2011. Initially it started with twice a week class of one hour each, which was later on increased to thrice in a week. Two classes in a week are conducted for the bedside nurses (Nursing Officer and Senior Nursing Officer), where as one class in a week is for senior nurses (Sister In-charges and above).

Facilitator: Ms Nanki Rani (Actg) March 2024 to November 2024
Ms Suman R Kashyap w.e.f 1 December 2024 till date

Mentor: Ms ME Shobha Sampath

Educators: Ms Rebecca J Herald
Ms J Subbulakshmi

Ms CVasundhara Balaswamy – SB

Ms Manjulata Madhav – MCB w.e.f May 2024

Ms Aswathy MU – BPS till November 2024

Ms Tisha Mary Thomas - Main Hospital

Mr Radhey Shyam - SB

Ms Arpana Masih - NCA till November 2024

Ms Sheena Merin Jacob – NCA w.e.f December 2024

Mr Mukesh Kumar Saini - BPS w.e.f December 2024

I. In Service Education Weekly Classes

NIE sessions were conducted thrice a week on Monday, Wednesday and Friday from 11 am to 12 noon. The following topics were covered during the sessions.

- Management of Patient with Anemia
- Hypertension
- Health promotion – Diet & exercises
- Nursing Management of a critically ill patient
- Vaso active drugs
- Central Venous Access Devices
- Heat Related Illness
- Nursing management of patient on ventilator
- Management of patient with tropical infections
- Management of patient in shock
- Management of Patient with Stroke
- Common Emergencies
- Oncological emergencies
- Respiratory emergencies
- Cardiac emergencies
- Common medical emergencies
- Patient safety
- Health care Bundles
- Parkinson's Disease
- Elder Abuse
- Geriatric Nursing & NPHCE
- Legal aspects in nursing
- Poly pharmacy
- Resilience
- Team Dynamics
- Motivation

The total attendance of these 459 classes was 7500

II. Conferences and workshops Conducted By NIE

1. Workshop on Critical Nursing update conducted for 193 nurses working in critical care areas like ICUs, Emergency and other emergency wards in four batches (04) from June 2024 to July 2024.
2. Training on "International Patient Safety Goals" was conducted in 08 batches for 284 Senior Nursing Officers.
3. As per the instruction from MOHFW, a series of classes were taken for nurses on "Management of Heat Related Illness and on Monkey Pox Disease in all the blocks and centers. These sessions were taken in the month of May (Heat Related Illness) and a total of 211 nurses and in August (Monkey Pox). A total of 93 nurses were sensitized regarding the same.
4. A one day training on BLS and ACLS was given to 225 nurses in 08 batches through Department of Hospital Administration as a part of the requirement of NABH Entry Level Certification.
5. Demonstration & Training on various equipments like Cardiac Monitor, Ventilator & Defibrillator were conducted in five batches in Main AIIMS & its blocks for 149 Nursing personnel.
6. ANS promotional training program was conducted for 147 ANSs in five batches from 13th January 25 to 03 April 2025.

III. Credentialing

A total of 63 nurses were issued certificates of credit hours for registration renewal in Nursing Council.

IV. Induction Training

A well-structured induction program for the newly recruited nurses through NORCET VI and NORCET VII was carried out in October 2024 and March 2025 respectively in four batches for a total of 130 nurses on the following topics.

Theory	Skill stations	Other training
• Introduction to AIIMS & Nursing Culture at AIMS • Hospital Routines • Conduct Rules • Leave Rules • Patient Safety • NIS • Communication skills	Basic Nursing Procedures • Medication administration • Nebulisation & Common Equipments • Oxygenation & Suctioning • Intravenous Cannulation • Resuscitation cart	Basic Life Support

V. Conferences and workshops Coordinated By NIE along with College of Nursing, at SET/CMET, AIIMS, New Delhi.

Sl No	Name of the workshop	Date	Number of participants
1.	Mastering clinical excellence; Elevating nursing competency	14/10/24	30
2.	Workshop on world mental health day	09/10/24	28
3.	Breast cancer awareness	18/10/24	10
4.	Empowering nursing excellence; innovations and technology in health care	23/10/24	30
5.	Shift and drift: transforming stroke care through nursing excellence	11/11/24	30
6.	Empowering nursing excellence; advancing clinical competencies towards cancer screening and prevention	25/11/24	29
7.	Redefining boundaries; the future of nursing practice	11/12/24	27

Sl No	Name of the workshop	Date	Number of participants
8.	CNE program on world disability day	03/12/24	30
9.	Collaboration in care; building stronger teams	14/02/25	30
10.	Advancing clinical competencies; pressure injury prevention	17/02/25	30
11.	Every drop counts; building nursing excellence in infusion therapy	24/02/25	30
12.	Innovate, educate, immunize; nurses at the forefront	17/03/25	30
13.	Transforming kidney health through nursing excellence	19/03/25	30

A total of 364 nurses participated in the above mentioned workshops/conferences.

VI. Conferences and workshops Coordinated By NIE (In & Outside AIIMS)

During 2024-2025, nurses from different departments in main hospital attended several National and International conferences/ workshops.

S No	Name of the workshop	Date	Venue	Number of participants
1.	IAP- ALS certification course	18-19/05/24	SET	01
2.	Yoga workshop for nursing officers	19/06/24	CIMR	40
3.	COLS – CPR training for lay persons	7-8/08/24	SET	02
4.	IASG Mid term meet/CME, Delhi- 2024	13-14/07 24	JLN	59
5.	Training course on Management for Senior nursing administrators	27-31/08/24	NIHFW	02
6.	NABH training program	24-26/07/24 19-21/09/24	Pvt III Board room	18 05
7.	Self defense training	14-24/10/24	AIIMS	30
8.	Uro nursing symposium /Annual conference of Urological Society of India	29/11/24	HYAT regency Gurugram	03
9.	Training course on research methodology	10-14/02/2025	NIHFW	02
10.	Workshop on infection prevention and control practices	14/02/25	JPNATC	32
11.	Focused intensive care training for nurses	10/03/2025 17/03/25	JPNATC	40
12.	Rejuvenative Yoga	07/03/25	CIMR	30
13.	Self defense training	24/03/25 to 03/04/25	AIIMS	35
14.	Sensitization program & Pilot testing of training and awareness module on Assistive technology	28/03/2025	CHEB	10

A total of 309 nurses were sent for the above Workshops/Conferences.

VII. Cardiac Resuscitation Training Programme(CRTP)

A total of 238 Nurses were sent for training on Cardiac Resuscitation at SET facility twice a month from April 2024 to March 2025.

VIII. ORBO workshops

A total of 60 nurses in 3 batches were trained on Deceased Organ & Tissue Donation by ORBO at AIIMS, New Delhi.

IX. Organizing educational visits

Nursing educators in AIIMS conducted orientation programme for the following colleges.

S No	Name	Date	Programme	No of students/faculty
1.	AIIMS, CON, Kalyani, WB	20/12/24	MSc II year	04
2.	Bharti Vidyapeeth CON, Sangli, Maharasrta	29/03/25	BSc IV year	02

X. As facilitators/Resource persons

- Workshops organized by College of Nursing, New Delhi

XI. Deputation of nurses for higher studies

During the year 2023–2024, two nurses for PC BSc program and three nurses for Post graduation in Nursing have been enrolled.

XII. Public Awareness Program

Sl No	Topic	Date	Attended by
1.	Heat related Illnesses at SB	29/05/24	200
2.	Dental, Menstrual & Hand Hygiene, Atal Adarsh Vidyalay, Ansari Nagar West	20/09/2024	210
3.	General Etiquette for public in Hospitals/Hand Hygiene/ General waste disposal at IRCH	21/09/24	150
4.	Role play on polypharmacy at NCA OPD & SB	21/09/24	375
5.	Menstrual & Hand Hygiene/ General waste disposal/ General Etiquette at MCB	27/09/24	100
6.	World Mental Health Day	10/10/24	355
7.	Burns Prevention Week Programme	04-10/11/24	335
8.	General Etiquette in Hospital	27/3/2025	150
9.	Cervical Cancer Awareness Programme	28/3/2025	100

- "Mental Health Awareness Program" was conducted in NCA OPD on 10 October 2024. A public talk was given to 258 OPD patients regarding self-care and issues of mental health in the elderly.
- Burns Prevention week and Public lecture on the same was conducted in BPS block for a total of 335 OPD patients and attendants.

XIII. NABH training conducted by NIE at MCB & SB.

a. A total of 11 sessions for all nurses in MCB.

b. Two sessions for all nurses in Surgical Block.

c. Two sessions for all nurses in BPS

XV. Future vision for NIE:

Release of new resource material.

1. Emergency nursing manual for nurses as ready reckoner.
2. Increasing the period of induction for newly recruited nurses from three days to one month to give adequate training.

6.5 Infection Control Core Committee:

Members

1.	Dr. Nirupam Madan	Medical Superintendent, AIIMS & Chairperson
2.	Dr. Bimal Kumar Das	Professor, Dept of Microbiology & Co-Chairperson
3.	Dr. Rakesh Lodha	Professor, Dept of Pediatrics
4.	Dr. Rashmi Ramachandran	Professor, Dept of Anaesthesia
5.	Dr. Vijaydeep Siddharth	Addl. Professor, Hospital Administration
6.	Dr. Piyush Ranjan	Professor, Dept of Medicine
7.	Dr. Gagandeep Singh	Professor, Dept of Microbiology
8.	Dr. Hitender Gautam	Professor, Dept of Microbiology
9.	Dr. Nishant Verma	Professor, Dept of Microbiology
10.	Dr. Sarita Mahapatra	Professor, Dept of Microbiology
11.	Dr. Jhuma Sankar	Addl. Professor, Dept of Paediatrics
12.	Dr. Pankaj Jorwal	Addl. Professor, Dept of Medicine
13.	Dr. Arvind Kumar	Addl. Professor, Dept. of Medicine
14.	Ms. Nirmal Kain	Nursing Superintendent, Infection Control
15.	Ms. Evangelin Vasanth	ANS(HR), Infection Control
16.	Ms. Betty Maria Binu	SNO (HR), Infection Control
17.	Mr Dhawal Dwivedi	Nsg Officer, Infection Control
18.	Mr. Kunj Bihari Gauttam	Nsg Officer, Infection Control
19.	Ms. Aswathi A. K.	Nsg Officer, Infection Control
20.	Ms. Sreeja C. S.	Nsg Officer, Infection Control
21.	Ms. Spandana Kapudasi	Nsg Officer, Infection Control
22.	Ms. Tsering Lamo	Nsg Officer, Infection Control
23.	Mr. Donboklang P	Nsg Officer, Infection Control
24.	Ms. Kanupriya	Nsg Officer, Infection Control
25.	Ms. Sweta Verma	Nsg Officer, Infection Control

HICCOM core committee meets periodically to discuss day to day activities and interventions. HICCOM administrative rounds conducted periodically with infection control core committee, identified problems were discussed and rectified.

Activities of HICCOM

- HICCOM (Hospital Infection Control Committee) conducted training program for all health care workers, cadre wise regarding Infection prevention and control practices.
- Total 3063 health care workers were trained.
- HICCOM develops a written document (manual) outlining the various infection control policies and procedures followed at AIIMS and periodically updating it.
- HICCOM timely reviews and updates SOPs on Bio Medical Waste management, Needle stick injury, Spill management protocols and Disinfectant solutions in the form of charts. It is distributed and displayed in all clinical areas of AIIMS.
- Administrative rounds of clinical and non-clinical areas conducted by HIC.
- HIC actively involved in conducting rounds and documents verification by a team of CPCB (Central Pollution Control Board).

- HIC organized “Swachhata Pakhwada” activities like Nukkad-natak, Health talk for public awareness and attended rounds along with Addl. Secretary MOHFW.
- HIC is actively involved in organizing various activities related to “Kaya-Kalp” assessment and in conducting “Kaya-Kalp” rounds with a team of assessors and hospital administration.
- HIC is actively involved in commissioning of new / renovated units at AIIMS. Air sampling and water sampling is done before starting the unit.

Activities of Infection Control Nurses:

1. ICNs are collecting CLABSI, CAUTI, VAP and SSI data. Device associated infection rates are calculated on monthly basis. Data is analyzed and verified by Professor In-charge, Microbilogy. It is finally submitted to Member secretary of HIC and MRD section.
2. Daily rounds are conducted by Infection Control Nurses by using clinical area checklists and problems were rectified after discussing with the HIC.
3. Onsite training programs are conducted in the clinical areas as per the need.
4. Surveillance activities: environmental culture, sterility and In-use samples are collected from various clinical areas and reports are collected and distributed to all respective areas. ATP illuminometer and Air sampler machine is also used for the same purpose.
5. Maintaining incident report book: to record outbreaks, to monitor and to manage.
6. Maintaining the Daily report book for reporting.
7. The ICNs took sessions on Hand Hygiene, respiratory etiquettes and importance of personal hygiene for Kitchen staff of Main Kitchen.
8. The ICNs took sessions on Hand Hygiene, respiratory etiquettes, Cleaning / disinfection techniques and Bio Medical Waste management for Multi tasking staff of New RAK OPD, Mother & Child Block, Surgical Block and Main Hospital.
9. ICNs are monitoring hand –hygiene compliance and calculating the rates.
10. ICNs are actively involved in monitoring of Microwaves at Biotic Facility and Plasma sterilizers of various critical areas by exposing biological indicators.
11. The ICNs took sessions for various health care workers on solid waste management. (Dry and wet waste)
12. ICNs were actively involved as a resource person for training and development of guidance document on IPC including BMW management during public health emergencies with collaboration between USAID, JHPIEGO and AIIMS New Delhi. Total 70 health care workers were trained from various medical colleges of Andhra Pradesh, India.
13. ICNs were actively involved in Training of trainers on Hospital Infection prevention and control practices for nursing officers of Main Hospital, NCA Block, MCB, CDER, Surgery Block, BPS, Neuro-Sciences and AIIMS-CAPFIMSC Maidan-Garhi New Delhi.
14. ICNs are actively involved in conducting and organizing Hands on training sessions on Hospital Infection prevention and control practices for newly joined nursing officers of all the blocks of AIIMS at SET facility AIIMS.
15. The ICNs took sessions on infection control practices for nursing personnel organized by college of nursing AIIMS.
16. ICNs took active participation in “Swachhata Pakhwada” activities and organized various activities for all the health care workers.
17. Sensitization on hand hygiene, PPE, spill management and needle stick injury protocols, personal hygiene, loading of BMW trolleys according to the BMW rules were emphasized to Biotic workers, sanitary attendants, security guards, kitchen staff and hospital attendants.
18. ICNs are attending HICCOM meeting whenever required by HICCOM core group members and involved in sensitizing the dynamic guidelines on Environmental cleaning to increase the frequency of disinfection of all surfaces (Low touch and high touch areas), disinfection of items and correct dilution of disinfectant solutions.

Surveillance Samples collected during April 2024- March 2025

(Main Hospital, AIIMS)

Monthly surveillance data for surgical units and ICUs are calculated and submitted to MRD section. Annual combined data analysis of surgical units and ICUs are calculated and distributed to Professor Dr. Bimal Kumar Das, Professor Microbiology and Co-Chairperson Hospital infection Control, Professor Dr. Nirupam Madan, Medical superintendent AIIMS,

Mrs. Nanki Rani, Chief Nursing Officer, Dr. Vijaydeep Siddharth, officer in-charge of infection control from hospital administration and to Medical Record section.

Mrs. Evangelin Vasanth Mrs. Suman R Kashyap Prof. Bimal Kumar Das

ANS (HR) HICCOM Chief Nursing Officer Deptt. Of Microbiology

Total Environmental and Sterility Samples	Total In-use Solutions Samples	Total Sterile Samples		Total Unsterile Samples	
		Environmental and Sterility Samples	In-use solutions Samples	Environmental and Sterility Samples	In-use solutions Samples
3824	1333	2964	1275	860	58

Areas	CLABSI		CAUTI		VAP	
	RATE	DUR	RATE	DUR	RATE	DUR
AB8 ICU	15.2	0.83	2.04	0.87	7.35	0.61
D6 ICU	24.30	0.80	0.74	0.90	16.60	0.33
AB2 ICU	14.59	0.91	0	0.83	2.44	0.38
C2 ICU	15.6	0.7	4.6	0.8	--	0.7
PM ICU	7.73	0.61	0.42	0.88	19.53	0.68

6.5 Annual Average HCAI Data (2024-2025)

Main Hospital, AIIMS New Delhi

VAP rate calculated on the basis of data available during surveillance

Annual Surgical Site Infection Rate (2024-2025)

Main Hospital, AIIMS New Delhi

Clinical Areas	SSI Rate
GI surgery Ward	15.14
Urology Dept	1.48
ENT Dept	1.13
Orthopaedics Ward	0.55

Annual Average Hand Hygiene compliance Rate

Main Hospital, AIIMS New Delhi
(2024-2025)

Clinical Areas	Compliance Rate (%)
AB8 ICU	54.32
D6 ICU	51.2
AB2 ICU	48.01
C2 ICU	42
PM ICU	45.88

6.6 Hospital Billing Section

The donations received and the payments made to patients during financial year 2024-2025 are:-

Donation received from donors	**Rs 19,26,590.39**
Donation	**Rs 17,42,361.00**
Poor funs boxes opening	**Rs 1,82,790.00**
Damage of suggestion box	**Rs 1,439.00**
Total	**Rs 19,26,590.00**
Payment made to (50) patients	**Rs 2,54,930.00**
Payment of Vendor	**Rs 1,62,500.00**
Total	**Rs 4,17,430.00**

(The amount disbursed to these poor patients is from donations received from donors during the year as well as from the previous balance lying in the AIIMS POOR FUND).

7. College of Nursing

Professor cum Principal

Latha Venkatesan

Associate Professors

Shashi Mawar	Sibi Riju	Aditi P Sinha
Pragya Pathak	Ujjwal Dahiya	Cecilia MS
Manju Amit Kumar Rajora	Levis Murry	Y Surbala Devi
Smita Das	Milan Tirwa	Ajesh Kumar T.K.
Tarika Sharma	Anubha Devagourou	Mamta Choudhary

Tutors

Gayatri Batra	Babita Sahoo	Meena Ara
Seema Sachdeva	Anubha Devagourou	Neelima Raaj
Nemkholam	Hansaram	Monika Sabharwal
Manita Dalal	Suman Dabas	Savita

Highlights

- Organized Regional SoMI Conference at AIIMS Delhi- Redefining Midwifery for India: Meeting Challenges of Women's Health
- Organized 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology (NCPO-2025) in collaboration with Department of Psychiatric nursing
- Organized Capacity Building Program on Strengthening the Nursing Cadre in Cervical and Breast Cancer Prevention, Detection and Cancer Care through the ECHO Model for 2 months from 14 Jan- 20 March 2025
- Initiated an online blended learning course of one-month duration on "Communication for Nursing officers" on SARAL platform
- Ongoing Partnership on Nursing Education and research between AIIMS College of Nursing and Danish University Colleges
- Organized Breast feeding, Infant and young child feeding – Lactation counselor training program.
- Organized Training of Trainers on Metabolic Dysfunction associated Steatotic Liver Disease (MASLD)
- Organized "Diabetic Retinopathy Awareness and Care: Practical Course" for Nursing faculty across India and BSc Nursing students of AIIMS, New Delhi
- Organized series of 10 Inservice education workshop for nursing officers at AIIMS, New Delhi
- Various World Health days were observed like National safe motherhood day, International Nurses Day, World Disability Day, International Yoga Day, World Suicide prevention day, World Heart Day, World Cancer Day, World stroke day, World Mental health day, World kidney day, World Tuberculosis Day
- Student Development programs: Sports day and Annual College Day was organized for the students. Students participated in Institute Day Celebration, Blood Donation camps, Mental health day, Hindi essay writing competitions.
- Faculty Clinical Update has been conducted every Wednesday.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 108

Latha Venkatesan: 31	Shashi Mawar: 7	Sibi Riju: 04
Aditi P Sinha: 7	Ujjwal Dahiya: 7	Cecilia: 06

Manju Amit Kumar Rajora: 3
Ajesh Kumar TK: 2
Mamta Choudhary: 8
Savita: 5
Levis Murry : 5
Tarika Sharma: 9
Seema Sachdeva: 5
Surbala Devi: 04
Anubha Devagourou: 2
Monika Sabharwal: 3

Shashi Mawar

1. Qualitative approach methods, Nursing research society of India, May 2024, Dehradun
2. Tools for data collection in qualitative study, Workshop on qualitative research, 9 August 2024, Delhi
3. Donor experiences: understanding of a nurse, 44th congress of Society of International urologist conference, 26 October 2024, Delhi
4. Human milk banking, PNNFI 5th conference, Lucknow
5. Transition from hospital to home care, IACTS, 21 February 2025, Delhi
6. Motivation, Management workshop, 22 October 2024, Delhi
7. Conflict Management, Management workshop, 6 July 2024, Delhi
8. Screening and early detection of Kidney diseases, Transforming kidney health through nursing excellence, 19 March 2025, Delhi

Sibi Riju

1. Highlighting the transformation in stroke care through nursing excellence, Shift and Drift: Transforming Stroke care through Nursing Excellence, 11 November 2024, Delhi
2. Nursing Clinics, Redefining Boundaries: The future of nursing practice, 11 December 2024, Delhi
3. General concepts in ICU Nursing, Young India Intensivists webinar, 1 December 2024, Delhi
4. Advancing nursing care in thrombophillia management and DVT prevention, National haematology update-XIII, 4 February 2025, Delhi

Ms. Aditi P Sinha

1. Holistic Healing in oncology (Chairperson), "National Conference on Psycho-therapeutic Assessment and Intervention in Psycho-oncology", 3-5 January 2025, New Delhi
2. Cardiac damage in Autoimmune Disorder (Chairperson), "71st Annual Conference of the Indian Association of Cardiovascular Thoracic Surgeons (IACTSCON)", 21 February 2025, New Delhi
3. Skill Station for Negative Pressure wound therapy, 1st International Wound care Certificate course, 20 February 2025, New Delhi
4. Organizing Team, Cervical and Breast Cancer Prevention, Detection and Cancer Care Capacity Building ECHO for Nursing Professionals in Delhi, 14 Jan-27 March 2025, New Delhi
5. Midwifery education: Opportunities, Challenges and Solutions (Chairperson and Organising team), Regional conference of Society of Midwives, Redefining Midwifery for India : Meeting Challenges of Women's Health. 7-8 October 2025, New Delhi
6. Organising Team, Shift and Drift: Transforming Stroke care through Nursing Excellence, 11 November 2025, New Delhi
7. Attended Training, Training Course on Management for senior Nursing Administrators, 27-30 August 2025, New Delhi

Ujjwal Dahiya

1. Diagnosis and Treatment of UTIs, 9th SIU Global Nurses Educational Symposium 44th Congress of the Société International d' Urologie (SIU) from 23-26 October 2024, 26 October 2024, New Delhi

2. Mobile ICU- Advancing critical care nursing services on the move, Empowering Nursing Excellence: Innovation and Technology in healthcare, 23 October 2024, New Delhi
3. Exploring new frontiers in Nursing care for blood cancer and palliative support, National Haematology Update XIII, CME on Haematology nursing, 1 February 2025, New Delhi
4. Disease Evaluation: Screening and Diagnoses Breast Cancer, Goa Nursing Council Breast Cancer Diagnosis and Management of Breast Cancer CMB ECHO Cancer Care Program, 18 February 2025, Online
5. Tackling the Intricate Connections Between Obesity, Diabetes and Heart Disease, IACTS 2025 Nursing symposium, 21 February 2025, New Delhi
6. Introduction to Surgical Management Breast Cancer, Goa Nursing Council Breast Cancer Diagnosis and Management of Breast Cancer CMB ECHO Cancer Care Program, 4 March 2025, Online
7. Nursing Leadership and Supervision, ANS promotional training for Senior Nursing officers w.e.f. 27 February 2025 to 12 March 2025, 6 March 2025, New Delhi

Cecilia MS

1. Breastfeeding and infant and young child feeding – 8 topics, Capacity building training program for developing middle level trainers, 27 May-2 June 2024, Delhi
2. Novel Techniques in Advanced Health Monitoring: A boon to Nursing Care, Empowering Nursing Excellence: Innovation and Technology in Healthcare, 23 October 2024, Delhi
3. Breastfeeding and infant and young child feeding – Lactation counsellor training, BPNI, Lactation counsellor course, 18 November 2024, 24 November 2024, Delhi
4. Transport of sick newborn, NEOCON 2024, 6 December 2024, Chennai
5. Overview of self-care management among pregnant women, Transferring evidence to inform policy and practice in local context: What digital health tools can promote self-care management among pregnant women, 3 February 2025, Delhi
6. Feeding practices in cleft conditions, Workshop on empowering providers with feeding strategies for cleft care, 7 March 2025, Delhi

Manju AK Rajora

1. How to write review of literature (invited, couldn't go due to sickness), 5th International Conference on Advancing Nursing through innovation, research and digital health, 27 March 2025, New Delhi
2. Relief of Choking in an adult or child, AHA BLS-ACLS, 19-21 November 2024, New Delhi
3. Special considerations Mouth to Mouth-to-mouth breaths and rescue breaths, AHA BLS-ACLS, 23-25 July 2024, New Delhi

Levis Murry

1. Role of Fortifiers, supplements and Probiotics in neonates, 10th Annual Conference of IANN, 06 October 2024, Delhi
2. Neonatal Resuscitation, Pre-conference workshop on Neonatal Resuscitation, 5 October 2024, Delhi
3. Pediatric BLS, Workshop on pediatric BLS, 10 December 2024, Ballabhgarh
4. Infection Prevention, Hand Hygiene, and Waste Disposal, Facility-Based ENBC Course, 6 December 2024, Delhi
5. Medication error, Workshop on Building nursing excellence on safe infusion practices, 17 February 2024, Delhi

Smita Das

1. Introduction to safe infusion practice, Every drop counts: Building nursing excellence in safe infusion practice, 17 February 2025, New Delhi

2. Medical Simulation faculty, Medical Simulation-Faculty Development Programme, Puducherry, 6 February 2025, Puducherry, India
3. MASLD and Heart Disease, TOT on MASLD, 9 December 2024, New Delhi
4. National Coordinator, Simulation for Nurses in Acute Pediatrics (SNAP) Workshop, 31 August 2025, Pune

Ajesh Kumar TK

1. Understanding the Interdisciplinary Team in Health Care, Inservice education programme on Collaboration in Care: Building Stronger Teams, 14 February 2025, New Delhi
2. Moderator for the panel discussion on "The Intersection of Care: Psychological Health, Interdisciplinary Teams, and Technology in Psycho-oncological Nursing", National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 4 January 2025, New Delhi

Tarika Sharma

1. Ensuring Safety, Enhancing Science: Best Practices for a Risk-Free Laboratory, Science Day Celebration at Institute of Home Economics, Delhi University, 27 February 2025, Delhi
2. Infusion Safety Standards, Workshop on Every Drop Counts: Building Nursing Excellence in Infusion Therapy, 24 February 2025, New Delhi
3. Intravenous fluids, Antibiotics and Blood Products, Critical Care Nursing (Online class) by Young India Intensivist, 23 February 2025, Online
4. ECG Interpretation and Clinical Management: Bridging Diagnosis and Patient Care, Transforming cardiac outcomes through comprehensive Nursing Care, 21 January 2025, New Delhi
5. Concept, Definition and Epidemiology of Metabolic Dysfunction associated Steatotic Liver Disease, Training of Trainers on Metabolic Dysfunction associated Steatotic Liver Disease, 9 December 2024, New Delhi
6. Metabolic Dysfunction associated Steatotic Liver Disease-associated Cirrhosis, Training of Trainers on Metabolic Dysfunction associated Steatotic Liver Disease, 9 December 2024, New Delhi
7. Advancements in Pediatric Interventional Cardiology, National Cardiac Conclave by Society of Cardiac Nurses, 29 September 2024, AIIMS, Nagpur
8. Artificial Intelligence in Healthcare, A Revolutionary Era towards upgrading Nursing Professions, 28 August 2024, Haryana
9. Transformational Leaders in the Perioperative setting, Excellence in Perioperative Nursing Practice: Establishing Culture of Safety, 18 May 2024, Bathinda

Anubha Devagourou

1. Specific Nursing care for patients undergoing urological surgeries. URO Nursing North Zone Conference, 29 November 2024, Delhi
2. AKI and CRRT in ICU, 1st International Nursing Conference on Paediatric Cardiac Intensive Care, 1 February 2025, Muddenhalli

Mamta Choudhary

1. Challenges in management of burns, Advanced Emergency Burns Management Training Program' by Ministry of Health and family welfare and burns and plastic Surgery Centre, 11 March 2025, India
2. Overview of Nursing Research, Continuing Nursing Education Program by Department of LHMC & Smt. S K Hospital, 3 March 2025, New Delhi
3. Challenges in management of burns, Advanced Emergency Burns Management Training Program' by Ministry of Health and family welfare and burns and plastic Surgery Centre, 28 February 2025, New Delhi
4. How to start a research project -, 44th Congress of the Société International d' Urologie (SIU), 26 October 2024, New Delhi

5. Diabetic retinopathy screening- Principles and importance, “Diabetic Retinopathy Awareness and Care: Practical Course”, 4 September 2024, New Delhi
6. “Integrative and Holistic approaches to cardiac care”, National conference of Society of Cardiac Nurses (SOCN), 29 September 2024, Nagpur
7. Diabetic retinopathy screening- Principles and importance, “Diabetic Retinopathy Awareness and Care: Practical Course”, 18 April 2024, Nagpur

Seema Sachdeva

1. skill station on ‘Suturing skill’ in wound management, 1st International Wound Management Certificate Course, 20-21 February 2025, Delhi
2. Prevention and management of Pressure Injury, In service education workshop on Pressure ulcer injury prevention, 17 February 2025, Delhi
3. Stoma care using evidence based practice, Annual conference by Urological Society of India, 2 November 2024 to 1 December 2024, Gurugram
4. Basic life support course as instructor, BLS provider course, 24 August 2024, Gurugram
5. Advance cardiac life support course as instructor, ACLS Provider course, 25 August 2023, Gurugram

Monika Sabarwal

1. Reducing Compassion Fatigue in Nurses through Mindfulness Practices, In-service Education Workshop, 11 November 2024, New Delhi
2. Communication and soft skills in ICU, 1st Annual Critical Care Nursing Conference and Workshop, 15 December 2024, New Delhi
3. Identifying patients with mental health condition among cancer patients, National Conference on Psychotherapeutic Assessment and Integration in Psycho oncology, 4 January 2025, New Delhi

Savita

1. Session on safe delivery App on Safe motherhood day, 11 April 2024, New Delhi
2. Inter college Quiz competition, Breastfeeding week celebration, 2-7 August 2024, New Delhi
3. National workshop of SOMI, 7– 8 October 2024, New Delhi
4. Inservice education workshop, Empowering nursing excellence: Advancing clinical competencies towards cancer screening and prevention, 25 November 2024, New Delhi
5. Women and Health, 71st Annual Conference of the Indian Association of Cardiovascular Thoracic Surgeons, 20-23 February 2025, 21 February 2025, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2021-2022	2022-2023	2023-2024
72	55	108

Oral papers/posters presented

1. Akriti, Tirwa Milan, TK Ajesh Kumar, Ved Prakash Meena, “A Study to assess the Effectiveness of Modified Early Warning Score (MEWS) on Patient’s Outcome and Barriers related to its use by Nursing Officers in Medicine Ward, AIIMS, New Delhi.”, 4th Annual Research Day, 30 January 2025, New Delhi
2. Roy Sanchari, Sinha Aditi P, Rajora Manju, Bhola A, Bhoriwal SK, Effectiveness of tailored diet plan on nutritional status among cancer patients discharged with nasogastric tube in India - A randomized controlled trial, 46th ESPEN congress on clinical nutrition and metabolism, 7 September 2024, Italy

3. Sucheta, TK Ajesh Kumar, Dahiya Ujjwal, Sinha Deb Koushik, A Cross-sectional Study: Impact of Cyberchondria on Health Anxiety and Psychological Well-being among Patients attending New RAK OPD, AIIMS, New Delhi. 4th Annual Research Day, 30 January 2025, New Delhi
4. Thakur Pooja, Dahiya Ujjwal, Devi Surbala, Reddy Pradeep, A randomized controlled trial to evaluate The effectiveness of 2% mupirocin vs 0.5% Neomycin vs placebo intranasal ointment On prevention of surgical site infections (SSIs) among adult patients undergoing Cardiac surgery. National conference on Transforming cardiac outcomes through comprehensive Nursing care at RAK College of Nursing, 22 January 2025, Delhi
5. Trivedi Mukesh Chandra, Venkatesan Latha, Murry Lumchio Levis, Phalak Manoj, "A study to Assess the Effectiveness of the Video Assisted Teaching Program on Nasogastric Tube Feeding Regarding knowledge and practice Among Primary Care Givers of Patients with Nasogastric Tube Admitted at AIIMS New Delhi.", 4th PGIMER National Critical Care Nursing Conference, 15 February 2025, Chandigarh

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022–2023	2023–2024	2024-2025
3	34	5

RESEARCH

Funded projects

Ongoing

1. A descriptive study to assess predictors of low milk volume among mothers of preterm admitted in a tertiary care facility. Ms. Suman, Project code- (A-895), Intramural funded project under early career development. Research section- AIIMS-ND, 2 Years, 2024-2025, Rs 4,62,000
2. A pilot study to investigate the effectiveness of Digital health interventions on physical activity and quality of life among hemodialysis patients at AIIMS, New Delhi. Dr. Manju Rajora, Research section, AIIMS, New Delhi, 2 Years, 2025-2027, Rs 6,85,000
3. A Randomized Control Trial to compare the effectiveness of Nurse-Led Mobile App-Based Intervention vs Routine Care on Knowledge, Initiation of Breast Feeding, and Exclusive Breastfeeding among mothers delivering in selected hospital. Latha Venkatesan, AIIMS, 2 Years, 2025-2027, Rs 8 Lakhs
4. AIIMS- UCL, London Project on "Transferring Evidence to Inform Policy and Practice in Local Context: What Digital Health Tools can promote Self-care Management among pregnant women?", Dr. Latha Venkatesan, AIIMS-UCL, 1 Year, 2024-2025, Rs 5 Lakhs
5. Communication for Nursing Officers (Online blended course at SARAL platform), Dr. Shashi Mawar, Monika, PEP phase 1, 2 Years, 2023-2025, Rs 43,116, 691
6. Virtual simulation vs traditional teaching methods in nursing education to assess self confidence and critical thinking among Nursing students, Dr Shashi Mawar, PEP phase 1, NNF, SET facility, 3 Years, 2023-2025

Completed

1. "Assessing the Coverage, Utilization, and Impact of the Ayushman Bharat Scheme among Rural Women in Selected States of Northern India", Dr. Latha Venkatesan, ICSSR, 1 Year, 2023-2024, Rs 14 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. "A Quasi-experimental study to assess the impact of family centered care intervention on the practices and attitudes of staff nurses and parents in pediatric surgery ward AIIMS New Delhi"
2. "A randomized control trial to assess the effect of Digital Interactive Programme (DIP) on quality of life and treatment adherence among patients with Mechanical heart valve replacement in a tertiary care hospital."

3. "A Randomized control trial to compare the effectiveness of thermo mechanical stimulation versus standard treatment on reduction of pain level among cancer patients receiving intra-muscular chemotherapy injections."
4. "A Randomized Controlled Trial (RCT) to assess the effect of Nurse-led nutrition and exercise intervention on nutritional status, activities of daily living and quality of life among patients with gastrointestinal cancer at IRCH, AIIMS New Delhi."
5. A Case Control Study to explore the feeding problems and challenges faced by Parents of Children with Cerebral Palsy
6. A Comparative Study to Analyze the Effectiveness of Standard Teaching vs Simulation Based Method of Teaching upon ABG Analysis & Interpretation Competencies among Nursing Students of AIIMS, New Delhi.
7. A comparative study to assess awareness, perception and behavior of medical and non-medical college going young adults regarding HPV vaccination.
8. A Comparative Study to Assess Awareness, Perception, and Behaviour of Medical and Non-Medical College-going Young Adults Regarding HPV Vaccination.
9. A Comparative study to Assess the Breastfeeding Practices of Mothers with Normal Vaginal Delivery Versus Mothers with Cesarean Section Admitted in Postnatal Ward at AIIMS, New Delhi.
10. A Cross Sectional Study to Assess the Association Between Screen Time and Sleep Quality among Undergraduate Nursing Students of the College Of Nursing, AIIMS, New Delhi.
11. A cross-sectional study to assess the association between screen time and sleep quality among undergraduate nursing students of the College of Nursing, New Delhi
12. A descriptive cross sectional study to assess the knowledge and attitude about HPV vaccine among the students of BSc (H) Nursing at AIIMS, New Delhi.
13. A descriptive cross-sectional study to assess the contributing factors for insomnia and its association with health status in elderly attending geriatric OPD, NCA, AIIMS, New Delhi.
14. A descriptive study on root cause analysis of revisits of children (Neonate to 18 years) in pediatric Emergency department at AIIMS, New Delhi.
15. A Descriptive Study to Assess Knowledge Regarding Premenstrual Syndrome (PMS) and Premenstrual Dysphoric Disorder (PMDD) and Their Impact on Activity of Daily Living Among Nursing Students at AIIMS, New Delhi.
16. A descriptive Study to assess the attitude, Knowledge, Practices and Challenges regarding Palliative Care among Primary Care Givers of Spinal Cord Injury Patients with a view to develop an Informational Video at JPNATC, AIIMS, New Delhi.
17. A descriptive study to assess the contraceptive preferences among the women of reproductive age attending gyne OPD, CRHSP Ballabgarh.
18. A descriptive study to assess the knowledge, attitude and practice regarding e-waste reduction among nursing students, AIIMS New Delhi.
19. A descriptive study to assess the perimenopausal symptoms and its impact on quality of life and coping strategies among registered nurses AIIMS, New Delhi
20. A descriptive study to assess the prevalence, characteristics, Impact and management approaches among nursing and para- medical students at AIIMS, New Delhi.
21. A descriptive study to assess the Visual Acuity, vision related Quality of Life (QoL) and Patient Related Outcome Measure (PROM) among patients with diabetic retinopathy with an intent to develop a care module.
22. A descriptive study to explore the feeding problems, its impact and challenges faced by parents of children with cerebral palsy at AIIMS, Delhi
23. A mixed method study to explore the prevalence of utilization of nursing process and factors affecting its utilization among nursing officers working at AIIMS, New Delhi"
24. A mixed method study to explore the status of utilization of nursing process and factors affecting its utilization among Nursing officers working at AIIMS, New Delhi.
25. A phenomenological study to explore the lived in experiences, challenges and coping strategies faced by parents of children With Mucopolysaccharidosis.

26. A qualitative study to explore lived experiences and perspectives of parents in parenting a child with kidney transplantation at AIIMS, New Delhi.
27. A qualitative study to explore the Lived Experiences of Transgender Individuals on Healthcare services at AIIMS, Delhi.
28. A quasi-experimental study to assess the effect of Table top exercises vs didactic lecture on knowledge and skills regarding hospital disaster preparedness among nursing students at AIIMS, New Delhi.
29. A Randomised controlled trial to assess the effectiveness of vitamin C and alkasol in change of Urine pH to prevent UTI in perioperative females admitted in Neurosurgical ward at AIIMS, New Delhi.
30. A randomized control study to assess the effectiveness of family and patient education using a video-based teaching on knowledge and pre-procedural anxiety of family members and Patients undergoing EEG at AIIMS, New Delhi.
31. A Randomized Control Trial to Assess the Effectiveness of Patient Centred Transitional Care Model (PCTCM) on Self Efficacy, Health Literacy and Adherence to treatment (SeHAt)of Patients who underwent valve replacement surgery at AIIMS, New Delhi
32. A randomized control trial to assess the effectiveness of virtual reality on pain and anxiety during vascular cannulation among patients undergoing hemodialysis at AIIMS, New Delhi.
33. A Randomized control trial to compare the effectiveness of thermo mechanical stimulation versus standard treatment (Ice-packs) on reduction of pain among cancer patients receiving intra-muscular chemotherapy injections.
34. A randomized controlled trial to assess the effectiveness of MRI noise simulation on anxiety, co-operation and satisfaction among patients undergoing for neuro imaging at AIIMS Delhi.
35. A retrospective study to identify the pathways, barriers and facilitators towards access to tertiary renal care among parents of children with chronic renal disorders at AIIMS, New Delhi.
36. A study to assess effectiveness of couple-based intimacy enhanment intervention to improve marital intimacy and sexual communication between partners of Carcinoma breast patients in Selected tertiary care hospital.
37. A study to assess effectiveness of parent child integrated palliative care model on symptoms, burden and quality of life among Paediatric cancer patients in AIIMS DELHI
38. A study to assess family perception regarding end of life care and caregiver burden in terminally ill with oncological illness at tertiary hospital, AIIMS New Delhi & NCI Jhajjar.
39. A study to assess the Adaptation to Post-Graduate Nursing Education Course among MSc Nursing students at AIIMS, New Delhi.
40. A study to assess the association of perceived stigma with quality of life and coping strategies, among caregivers of patients with severe mental illness getting treatment at tertiary Care hospital.
41. A Study to Assess the Awareness and Willingness regarding Contraception among Females with Preexisting Cardiac Conditions at AIIMS, New Delhi.
42. A study to assess the effect of mobile health- based app on symptomatic self- management and medication adherence among patients with leukemia at AIIMS, New Delhi.
43. A study to assess the effectiveness of competency-based ECG training on knowledge and diagnostic accuracy of emergency nurses in identifying ST segment elevation myocardial infarction (stemi) among patients presenting with chest pain at AIIMS, New Delhi
44. A study to assess the effectiveness of couple-based intimacy enhancement intervention to improve marital intimacy and sexual communication among partners of Carcinoma breast patients in a selected tertiary care hospital.
45. A Study to Assess the Effectiveness of Didactic Lecture Vs Table Top Excises on the Knowledge & Skills among Nursing Student with regard to Hospital Disaster Preparedness at AIIMS, New Delhi
46. A study to assess the effectiveness of green tea (Camellia sinensis) based mouth rinse on oral health status, pain and quality of life among advanced head and neck cancer patients in a tertiary care centre-Randomized controlled trial.

47. A study to assess the effectiveness of IEC package regarding Heimlich maneuver on competency and knowledge in providing first aid for foreign body airway obstruction among caregivers of children visiting Pediatrics OPD.

48. A study to assess the effectiveness of informational booklet on human milk donation on knowledge and attitude among postnatal mothers at gynaecology ward of mother and child health block, AIIMS, New Delhi.

49. A study to assess the effectiveness of nurse driven Enhanced Recovery After Surgery Programme (ERAS) on Quality of Recovery, Patient Satisfaction, and Hospital Stay of patients Undergoing Renal Transplant at AIIMS, New Delhi.

50. A study to assess the effectiveness of nurse led Exposure Keratopathy prevention protocol on incidence of Exposure Keratopathy among patients admitted in intensive care units of Tertiary Care Hospital - a feasibility study.

51. A study to assess the effectiveness of Nursing intervention package on biophysiological parameters, behavioural pattern and quality of life (QOL) among CKD children with hypertension at AIIMS, New Delhi.

52. A study to assess the effectiveness of oral hygiene training on brushing techniques among children of age group 8-12 years at selected school, New Delhi

53. A study to assess the effectiveness of Simulation Based Training on Knowledge and Clinical skills of Nursing officers regarding respiratory care of patients with ARDS admitted in ICU, AIIMS New Delhi

54. A Study to Assess the Effectiveness of Structured Nursing Guidelines on Seizure Action Plan in Terms of Knowledge and Practice of Nurses working in Neuroscience Center AIIMS New Delhi.

55. A study to assess the effectiveness of video assisted teaching on Knowledge regarding home-based care among caregivers of children with cystic fibrosis at AIIMS New Delhi.

56. A study to assess the factors influencing eating pattern and their impact on nutritional status among nursing students in the College of Nursing, AIIMS, New Delhi.

57. A study to assess the knowledge and awareness regarding sexual Health rights among Nursing students in AIIMS CON

58. A Study to Assess the Knowledge Attitude and Practices Regarding the Complementary Feeding among Mothers of Children Below 2 Years of Age Attending Paediatrics OPD at AIIMS, New Delhi.

59. A study to assess the level and factors associated with paternal postpartum depression among fathers visiting selected hospitals at national capital region (NCR) of India.

60. A study to assess the nursing care practices for patients on ventilator admitted in ICU of tertiary care hospital with a view to develop standard nursing care protocol for mechanically Ventilated patient.

61. A study to assess the nutritional status and its association with clinical, psychological variables and quality of life among Chronic kidney disease patients undergoing Hemodialysis in AIIMS New Delhi.

62. A Study to Assess the Occurrence and Knowledge Regarding Prevention and Management of Needle Stick Injuries amongst Nursing Students at AIIMS, New Delhi.

63. A study to assess the prevalence of sexual dysfunction and it's related factors in female patients with Lupus Nephritis at AIIMS, New Delhi.

64. A Study to Assess the QSOFA Scores And Its Association with Clinical signs of Sepsis and Selected outcomes in Patients Admitted In Neurology And Neurosurgery Ward At AIIMS, New Delhi.

65. Effectiveness of a brief psychological intervention on stress and coping among newly diagnosed breast cancer patients at AIIMS, New Delhi: a randomized controlled trial.

66. Effectiveness of art therapy on sleep and anxiety among hospitalized children at AIIMS, Delhi.

67. Effectiveness of oral hygiene training on brushing practices among school children studying in selected primary schools of Delhi.

68. Pathways to tertiary renal care:- a retrospective study of parents experience seeking care for their child with chronic renal disorders at AIIMS, Delhi.

69. Prevalence of metabolic syndrome among females with PCOS in tertiary care hospital, New Delhi.
70. Study to assess the relationship between imposter syndrome, performance failure and coping strategies among nursing officers in AIIMS New Delhi.

Completed

1. A comparative study to assess awareness, perception and behavior of medical and non-medical college going young adults regarding HPV vaccination
2. A descriptive study on root cause analysis of revisits of children in pediatric emergency department at AIIMS, New Delhi
3. A descriptive study to assess the knowledge about Premenstrual Syndrome (PMS) and Premenstrual Dysphoric Disorder (PMDD) and their impact on activity of daily living among nursing students at AIIMS, New Delhi.
4. A descriptive study to assess the prevalence, characteristics, impact and self-care management of headache among nursing and paramedical students at AIIMS, New Delhi
5. A mixed method study to explore the status of utilization of nursing process and factors affecting its utilization among nursing officers working at AIIMS, New Delhi.
6. A qualitative study to explore lived experiences and perspectives of parents in parenting a child with kidney transplantation at AIIMS, New Delhi
7. A quasi- experimental study to assess the effectiveness of Tele- Nursing Follow- up education program on Knowledge regarding anticoagulation, medication adherence and INR control among patients underwent mechanical valve replacement (MVR) at CTVS, AIIMS, New Delhi
8. A quasi-experimental study to assess the effect of nurse-led intervention program on knowledge and confidence of mothers regarding home-based care of children with solid organ tumors at AIIMS, New Delhi
9. A ramdomized Control Trial Study to Assess the Effectiveness of Mobile App Based Self-Management Vs Booklet Based Self-Management Of Breast Cancer Related Lymphedma Prevention On Knowledge, Compliance And Quality Of Life Among Breast Patient Receiving Treatment At A Tertiary Care Centre.
10. A randomised control study to assess the effectiveness of patient and family education using a video based teaching on knowledge and pre-procedural anxiety of patients and family members undergoing EEG at AIIMS, New Delhi
11. A randomised control trial to assess the effectiveness of nurse led psycho education session on medication adherence and symptom severity among patients with depression attending psychiatry OPD AIIMS New Delhi
12. A randomised controlled trial to assess the efficacy of Chin-tuck maneuver in Neurogenic dysphagia among stroke patients attending Neurosciences Centre, AIIMS New Delhi
13. "A randomized control trial to assess the effectiveness of Patient Centred Transitional Care Model (PCTCM) on Self-Efficacy, Health literacy, and Adherence to treatment (SeHAt) of patients who underwent valve replacement surgery at AIIMS, New Delhi"
14. A randomized controlled trial to assess the effectiveness of 2% Mupirocin vs 0.5% Neomycin vs placebo intranasal ointment on prevention of surgical site infection (SSI) among adult patients undergoing cardiac surgery at AIIMS, New Delhi.
15. A randomized controlled trial to assess the effectiveness of nurse led tobacco cessation intervention among patients attending OPD at AIIMS New Delhi.
16. A study to assess caregiver burden, anxiety, depression and coping strategies among caregivers of neurodegenerative disorder patients
17. A study to assess knowledge and concerns regarding sexual health among post myocardial infarction patients visiting cardiology outpatient department, AIIMS New Delhi.

18. A study to assess the effect of Nurse-Led cardiac Rehabilitation on knowledge practices and clinical parameters of the adult patients undergoing cardiac surgery at CTVS, AIIMS, Delhi

19. A study to assess the effect of Thirst Bundle Intervention (TBI) on thirst intensity and dry mouth among heart failure patients visiting at heart failure clinic, AIIMS, New Delhi

20. "A study to assess the effectiveness of couple-based intimacy enhancement intervention to improve marital intimacy and sexual communication among partners of carcinoma breast patients in a selected tertiary care hospital"

21. "A study to assess the effectiveness of green tea (Camellia sinensis) based mouthwash on oral health status, pain and quality of life among advanced head and neck cancer patients in a tertiary care centre. — Randomized controlled trial"

22. A study to assess the effectiveness of Knowledge Enhancement programme on HPV and HPV vaccine in terms of Knowledge among B.sc (Hons) nursing students of CON, AIIMS, New Delhi.'

23. A Study to Assess the Effectiveness of Mobile Application Based Home Care Management Programme of Kidney Transplant Upon Knowledge and Practice of Patients Undergone Kidney Transplantation in AIIMS, New Delhi"

24. A Study To assess The Effectiveness Of Modified Early Warning Score (Mews) On Patient's Outcome And Barriers Related To Its Use By Nursing Officers In Medicine Ward, AIIMS New Delhi.

25. A Study to assess the effectiveness of Nelson's Inhaler and spirometry versus Electric steam inhaler and spirometry to relieve chest congestion among post operative Neurosurgery patients admitted in Neuroscience Centre, AIIMS, New Delhi.

26. A study to assess the effectiveness of Nurse Driven Enhanced Recovery after Surgery Programme (ERAS) on quality of recovery, patient satisfaction and hospital stay of patients undergoing renal transplant at AIIMS, New Delhi

27. A study to assess the effectiveness of nurse led group brief intervention on social functioning, criminality and health among ODS patients attending NDDTC, AIIMS, New Delhi: A randomized controlled trial

28. A Study To Assess the Effectiveness of Structured Nursing Guidelines on Seizure Action Plan In Terms Of Knowledge And Practice Of Nurses and Selected Patient Outcomes in Neuroscience Center AIIMS New Delhi.

29. A study to assess the effectiveness of structured teaching program on knowledge regarding gender - based violence among adolescents in selected schools of Delhi

30. A study to assess the effectiveness of video assisted teaching on knowledge and behavioral practices regarding renal health among employees at AIIMS, New Delhi."

31. A study to assess the effectiveness of video assisted teaching program on nasogastric tube feeding regarding knowledge and practice among primary care givers of patents with nasogastric tube in-situ admitted at AIIMS New Delhi

32. A study to assess the effectiveness of Video Teaching Program on Knowledge & Practice regarding tracheostomy Suctioning as compared to standard teaching program among nursing student of AIIMS, New Delhi

33. A study to assess the factors influencing eating patterns and their impact on nutritional status among nursing students in AIIMS New Delhi.

34. A study to assess the family perception regarding End of Life care and caregiver burden in terminally ill with oncological illness at tertiary hospital, AIIMS New Delhi

35. A Study to Assess the Impact of Cyberchondria on Health Anxiety and Psychological Well-Being among Patients attending New RAK OPD, AIIMS, New Delhi.

36. A Study to Assess the Impact of Nurse- Led Education Bundle For Infection Control With Follow up Teleconsultation on Incidence of Febrile Neutropenia and Caregivers's Knowledge Among Parents of Children With Acute Leukemia at AIIMS, New Delhi

37. A study to assess the impact of nurse-led intervention on patient care practices & caregiver burden among caregivers of patients with traumatic brain injury at AIIMS, Delhi.

38. A Study To Assess The Knowledge, Attitude And Practice Regarding Radiation Safety With A View To Develop Radiation Safety Booklet For Nurses Working At IRCH, AIIMS, Delhi.
39. "A study to assess the nursing care practices for patients on ventilator admitted in ICU of tertiary care hospital with a view to develop standard nursing care protocol for mechanically ventilated patients."
40. A study to assess the occurrence and knowledge regarding prevention and management of needle stick injuries amongst nursing students at AIIMS, New Delhi
41. A study to assess the prevalence of Metabolic syndrome among young adults at AIIMS with a view to develop Preventive Metabolic Syndrome Pamphlet
42. A study to assess the prevalence of sexual dysfunction and its related factors in female patients with Lupus Nephritis at AIIMS, New Delhi.
43. A study to assess the qSOFA scores and its association with clinical signs of sepsis and selected outcomes in patients admitted in Neurology and Neurosurgery ward at AIIMS, New Delhi
44. A study to compare the effectiveness of silver based dressing vs conventional dressing in prevention of surgical site infection among post-operative patients of laparoscopic cholecystectomy in AIIMS, New Delhi
45. A study to evaluate the feeding practices of the mother -infant dyad aged 6 weeks to 2 years of age at AIIMS New Delhi
46. Effect of the Tailored Diet Plan on Nutritional Status, Compliance, Barriers And Patient Satisfaction Among The Cancer Patients Discharged With Nasogastric Tube - A Randomized Controlled Trial
47. Randomized Control Trial to assess the impact of web - based home care management programme on quality of life, adherence to treatment and nutritional markers among chronic peritoneal dialysis patients of selected hospitals of Delhi.
48. To assess the effect of blended teaching on treatment compliance, inhaler technique and knowledge regarding home care among parents of asthmatic children.
49. To Compare the Effectiveness of Mobile App Based Prescription along with Ai Based Education Vs Conventional Prescription along with Booklet-Based Education on Compliance, Knowledge and Satisfaction among Advanced Cancer Patients Receiving Palliative Care at A Tertiary Care Centre- A Randomized Control Trial.

Collaborative projects

Ongoing

1. Assessment of transformational leadership approach on selected nursing outcomes, IGNOU
2. Development of Technology based Doctor-Patient interface to Facilitate Patient Care and Health Research in Paediatric Urology"/ Ref No. 5/4/7-3/Uro/2020-NCD-II. Pediatric surgery, AIIMS Delhi

Completed

1. Effectiveness of a Nurse led Virtual Liver Cirrhosis Clinic on QOL, Self efficacy and Health Outcomes among patients with liver cirrhosis. Department of Gastroenterology and HNU, AIIMS
2. Expert member in formulating guidelines for counselling of 'expecting' couples who have been diagnosed with congenital malformation in the developing baby. Pediatric Surgery, AIIMS Delhi

RESEARCH OVER PAST 3 YEARS

Research project	2022–2023	2023–2024	2024-2025
Total funded projects	01	02	04
Total funding (Lakhs)	2942.22	35.12	24.47

Publications

Journals: 26 **Abstracts:02**

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024-2025
Total	**17**	**36**	**28**
Journal articles	16	32	26
Abstracts	-	-	02
Chapters in books	01	03	-
Books	01	01	-

PATIENT CARE

- Organized screening camp for cancer and NCD's in Ambedkar Nagar.
- Screening for malnutrition among school children.

For individual faculty members

- You may include any major academic activity which is not included under teaching, research and patient care activities.
- This section can also include membership of programme advisory committees, scientific advisory committees, research advisory committees, government advisory bodies, etc.

1. Delivered Public lecture on World Hypertension Day on 24 May 2025 at JLN auditorium in collaboration with CCM dept
2. Expert for PhD Fellowship at ICMR
3. Board member for Baba Fardi University of Health Sciences, Faridkot
4. Co-PI for PEP phase II project for College of Nursing, funded by NNF

- Running a Nurse led Liver cirrhosis clinic at Gastro OPD for patients with alcohol associated liver cirrhosis.
- Co-organizer for World Mental Health Week celebration (in New RAK OPD and Psychiatry Ward) by College of Nursing in October 2024.
- Guide and supervise BSc (Hons.) 3rd year and PB Nursing 1st year students in Pediatric medicine ward.

Item	2022–2023	2023–2024	2024-2025
OPD consultations	-	-	-
Special clinic consultations	-	01	-
Patients provided rehabilitation services	-	-	-
Total inpatient admissions	-	-	-

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Latha Venkatesan was Elected as National President of Clinical Nursing Research Society

Selected to receive

Dr Manju AK Rajora was Moderator in international webinar on empowering nursing research: skills, strategies and statistical insights by Forsythia chapter of NSS on 21 and 22 November 2024. She attended IIT Delhi Summer Faculty Research Fellow (SFRF) program at centre of biomedical engineering from 22 May-12 July 2024. She received President's honour award certificate for being Frontline Hero Nurses on International Nurses' Day on 12 May 2024 by Nursing Scholar

Society. She Evaluated MSc Nursing Thesis for BFUHS. She was elected as an executive board member in Society of Perioperative Nursing.

Dr Tarika Sharma was elected as an executive board member in Society of Cardiac Nursing.

External examiner and Paper setter for PG and UG courses at AIIMS Bhubaneshwar, AIIMS Mangalagiri, and AIIMS Rishikesh.

Ms Anubha Devagourou organized workshop on "Empowering Nursing Excellence: Innovation and Technology in Healthcare", 23 October 2024. She was Convenor for URO Nursing North Zone Conference, 29 November 2024, New Delhi. She was Coordinator for Nursing symposium for 71st Annual Conference of IACTS, 20 February 2025, New Delhi. She was Coordinator for Nursing Symposium, Society of International Urology, 24 October 2024, New Delhi. She Organized world kidney day on 10 March 2024, AIIMS, New Delhi. She was External Examiner for MSN 1, AIIMS, Rishikesh.

Ms Monika Sabharwal received First Prize in Essay writing competition for Faculty during Hindi Pakhwada September 2025.

8. Research Section

Deans (Research)

Jeewan S Titiyal
(w.e.f. 1 April 2024-31 December 2024)

Nikhil Tandon
(w.e.f. 11 January 2025)

Associate Dean (Research)

Govind K Makharia
(w.e.f. 8 April 2024)

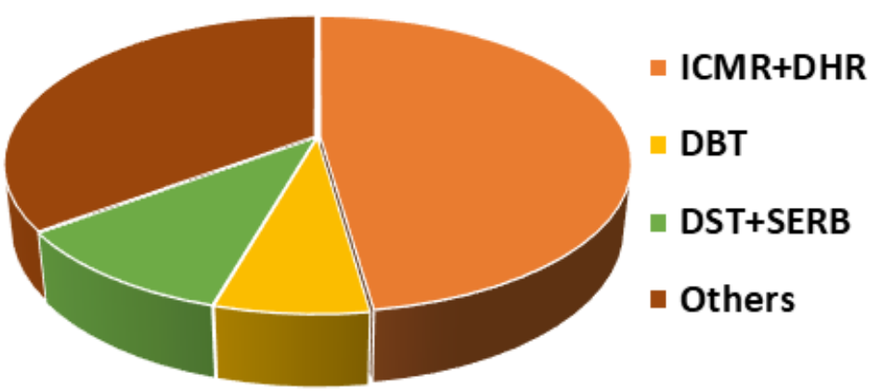
HIGHLIGHTS

Research is an important component of the AIIMS Trinity of Mission. Research Section is the nodal office to facilitate research at AIIMS both intramural and extramural research schemes. The Research Section also provided capacity building support to the AIIMS faculty and student researchers through the Centralized Core Research Facility (CCRF) and Clinical Research Unit (CRU) for basic and clinical sciences respectively. The Centre for Medical Innovation & Entrepreneurship (CMIE) provides critical support and guidance for promoting innovations in research. This is further augmented by the IPR & Technology Transfer Division (IPT-TTD) to help and support for patenting and technology transfers.

Intramural funding scheme includes the Early career research grants, Inter-disciplinary collaborative research grants, undergraduate mentorship for research skills support. A new intramural funding scheme is introduced for NCI-AIIMS, Jhajjar to encourage Cancer Research. Financial support is also granted to MD/MS/MDS/DM/MCh residents for accomplishing the research objectives in their thesis. In addition, inter-institutional schemes are currently ongoing with IIT-Delhi, THSTI-Faridabad, UCL-London and CSIR-IGIB-Delhi. To enhance the collaborative network, a joint collaborative scheme with CSIR-CCMB, Hyderabad has also been introduced. A trilateral MoU has been executed between AIIMS, UCL, and IIT Delhi focusing on advancing MedTech research.

EXTRAMURAL PROJECTS

N = 958 [Rs. 280 Cr. approx)

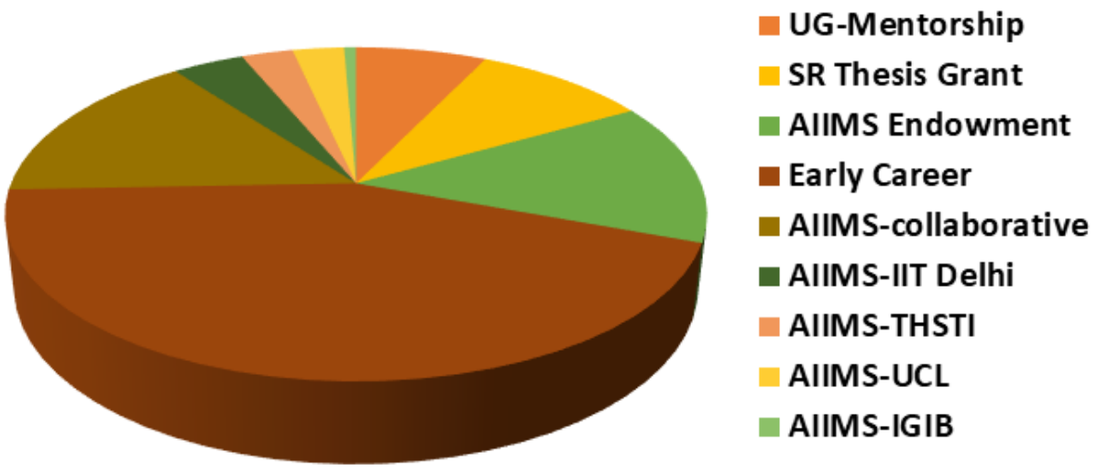


Funding Agency	Number of Projects	Budget
ICMR	417	160,98,99,288
DHR	57	10,10,64,233
DST	38	4,71,88,800
SERB	50	6,18,78,190
DBT/ Welcome Trust	55	18,82,66,585
Non-Government/Indian Funding Agencies	185	12,34,80,713

International funding agencies	86	49,23,71,000
Ministry etc.	70	17,48,44,871
	958	**279,89,93,680**

INTRAMURAL PROJECT SCHEMES

N = 369 [Rs.8 Cr. Approx.]



Scheme	Number of Projects	Grant
IRG	137	2,43,32,256
AC	59	3,13,48,015
AI	13	5,00,000
AT	13	29,77,500
UCL	9	29,91,200
UG	36	42,77,100
SSWC	1	7,50,000
IGIB	8	39,93,600
PG	93	76,20,625
	369	**7,87,90,296**

ENDOWED CHAIR

Shobha Seth Wenger' Distinguished Chair in Gynecologic Oncology under "Mira Seth Corpus Fund"

This prestigious Chair is awarded to a Senior Faculty/Scientist from AIIMS, New Delhi who has an outstanding track record in the field of Gynaecologic Oncology.

Dr. Sandeep Mathur, Professor of Pathology has been awarded this chair for a period of 2 years.

INTERNATIONAL FELLOWSHIPS FOR AIIMS FACULTY

The objective of the fellowships is to provide opportunities to gain advanced training in emerging areas of medical sciences and utilize them for work at AIIMS, New Delhi. The duration of the fellowship is 2-4 weeks.

Duration of Fellowships:

The list of awardees for AIIMS International Fellowship for the year 2024-2025 is as under:

1. Aanchal Kakkar, Additional Professor, Department of Head & Neck Pathology, Pediatric Solid Tumor Pathology, Professor Keith Hunter Professor of Head & Neck Pathology Liverpool Head and Neck Centre, University of Liverpool, 3 Weeks
2. Deepam Pushpam, Associate Professor, Department of Medical Oncology, Leukaemia, Bone marrow transplant and sarcoma, Nitin Jain, MD, Anderson Cancer Centre, Department of Leukaemia CAR- T Program. The University of Texas, 4 Weeks
3. Sujata Mohanty, Professor, Department of Stem Cell Facility, Tissue Engineering, 3D Bioprinting, Regenerative Medicine, Biomaterial fabrication, Biomimicry, Organoids, Professor Bernd Giebel, University of Duisburg-Essen, University Hospital Essen, Institute for Transfusion Medicine, 4 Weeks
4. Pragyan Acharya, Additional Professor, Department of Biochemistry, Liver disease pathogenesis, biomarkers and diagnostic platforms, large scale genomic screens, Dr. Kalpana Surendranath University of Westminster, 4 Weeks
5. Maneesh Singhal, Professor and Head, Department of Plastic, Reconstructive and Burns Surgery, Reconstructive Microsurgery, Burns reconstruction, Trauma Reconstruction, Dr Kavitha Ranganathan, MD, Assistant Professor, and Director, Craniofacial Surgery, Department of Surgery Institute: Brigham and Women's Hospital, Harvard Medical School, 75 Francis Street, Boston, 4 Weeks

INFOSYS CHAIR IN ONCOLOGY

The list of awardees for Infosys Chair in Oncology is as under:

Smita Bhatia, Distinguished Professor, Department of Pediatrics, Div of Hematology/ Oncology Gay and Bew White Endowed Chair in Pediatric Oncology Vice Chair for Outcomes Research, Department of Pediatrics Director, Institute for Cancer Outcomes and Survivorship University of Alabama at Birmingham (UAB) School of Medicine, Dr. Sameer Bakhshi, Professor and Head, Department of Medical Oncology, Dr. B.R.A Institute Rotary Cancer Hospital, AIIMS, Delhi

TRAVEL SUPPORT SCHOLARSHIP UNDER AIIMS ENDOWMENT FUND

i) Augmentation of number of travel fellowships for students, residents, PhD scholars, and research staff to participate in International/National conferences, workshop quiz.

ii) Meeting being held every two months for selection of candidates for award of travel grant.

4th Annual Research Day Celebration on 29 January 2025 and 30 January 2025

Pan-AIIMS Research Colloquium

AIIMS celebrated its 4th Annual Research Day, a two-day event dedicated to recognizing novel research and promoting a culture of innovation in medical science. The event, held at the JL Auditorium, brought together researchers, academicians, and healthcare leaders to celebrate scientific excellence and discuss the future of healthcare innovation.

During the Pan-AIIMS Research Colloquium, a landmark event that brought together deans from 20 AIIMS institutes across the country. The event, held at the Dr. Ramalingaswami Boardroom, highlighted a shared vision for advancing medical research, promoting collaboration, and building a unified research framework for all AIIMS institutions across India.

The colloquium commenced with a tour of the AIIMS Central Research Facilities, including the Centralized Core Research Facility, Clinical Research Unit, and Centre for Medical Innovation & Entrepreneurship. Participants had the opportunity to explore the latest research infrastructure aimed at nurturing innovation and scientific discovery.

Deans from all AIIMS - Bathinda, Bhopal, Bhubaneswar, Bilaspur, Bibinagar, Deoghar, Guwahati, Jodhpur, Kalyani, Madurai, Mangalagiri, Patna, Raipur, Rajkot, Rishikesh, Nagpur, Jammu etc. presented research highlights, showcasing their research in areas ranging from infectious diseases to AI-driven healthcare solutions.

The event commenced with opening remarks by Professor Govind Makharia, who highlighted AIIMS' commitment to advancing research for the betterment of healthcare. Professor M. Srinivas, Director of AIIMS, delivered an inspiring address, stating, *"Research is the backbone of medical progress. AIIMS will continue to nurture and support novel studies that address the pressing healthcare challenges of our time."* The program featured 13 platform presentations by PhD, MSc, and undergraduate students, as well as junior and senior residents, showcasing cutting-edge research in various

medical fields. A poster exhibition showcasing 514 posters highlighted the innovative research contributions featuring ongoing clinical and basic research by AIIMS scholars across almost disease areas such as cancer, neurology, cardiology, ophthalmology, rare diseases, infectious diseases etc. The exhibition also showcased the devices and programmes developed by AIIMS researchers for patient care.

A major highlight of the event was the **AIIMS Silver Jubilee Oration** delivered by Dr. Yogesh Jain, Co-founder of Sangwari-People Council for Equity and Health. His talk, titled *"Medical Academia and People's Health, "* emphasized the importance of research-driven healthcare improvements in India.

The afternoon session saw the inauguration of the Research Day by the Chief Guest, **Professor Ajay Kumar Sood, Principal Scientific Advisor to the Government of India.** He commended AIIMS for its dedication to research and innovation, stating, *"Institutes like AIIMS are at the forefront of healthcare transformation. The research conducted here sets benchmarks for excellence not only in India but globally."*

A thought-provoking Diamond Jubilee Oration titled *"The Miracles of Modern Medicine and the Future of Global Health - Lessons from a Career across Four Continents"* was delivered by **Professor Shitij Kapur, Vice-Chancellor & President of King's College London.** Professor Kapur highlighted key advancements in healthcare and shared valuable lessons from his illustrious career.

The panel discussion on *"Catalysing Innovation: Ways to Fuel Innovation"* brought together eminent experts, including:

- Dr. Chintan Vaishnav, Former Mission Director, Atal Innovation Mission
- Dr. Annam Visala, Deputy Drugs Controller (India), CDSCO
- Dr. Manish Diwan, Mission Director, Make in India for Biotech Sector
- Mr. Rohit Gupta, Programme Lead, Atal Innovation Mission
- Professor Sandeep Singh, Executive Director, School of International Biodesign

Moderated by **Professor Alok Thakar**, Project Head, Centre for Medical Innovation & Entrepreneurship, the discussion highlighted strategies to foster innovation in healthcare and emphasized the importance of industry-academic collaboration.

Research Excellence Awards: Basic Sciences Category

1. Saroj Kumar, Additional Professor, Department of Biophysics, Biophysics, Basic, Fluorescence-tagged Salivary Small Extracellular Vesicles As a Nanotool in Early Diagnosis of Parkinson's Disease, BMC Medicine, Certificate Of Excellence
2. Sudip Sen, Professor, Department of Biochemistry, Biochemistry, Basic, Hypoxia Induces Early Neurogenesis in Human Fetal Neural Stem Cells by Activating the WNT Pathway, Molecular Neurobiology, Certificate Of Excellence
3. Bhupendra Verma, Associate Professor, Department of Biotechnolgoy, Biotechnology, Basic, Synergistic correlation between host angiogenin and dengue virus replication, RNA Biology, Certificate Of Excellence
4. Pratik Kumar, Professor, Department of Medical Physics Dr. B.R.A IRCH, Medical Physics, Basic, Optically Stimulated Luminescence in Lif-MgF2 system and its response as medical radiation dosimeter, Ceramics International, Certificate Of Excellence
5. Shipra Agarwal, Additional Professor, Department of Pathology, Pathology, Basic, Innate differences in the molecular signature of normal inferior & superior human parathyroid glands: implications for parathyroid adenoma, Molecular and cellular Biochemistry, Certificate Of Excellence
6. Simran Kaur, Additional Professor, Department of Physiology, Physiology, Basic, Patient-reported cognitive impairments and objective neuropsychological deficits in young sarcoma patients undergoing chemotherapy and its comparison to healthy controls: A tertiary health care study from India, International Journal of Cancer, 3
7. Renu Dhingra, Professor, Department of Anatomy, Anatomy, Basic, Hydrogen sulfide promotes migration of trophoblast cells by a Rho GTPase mediated actin cytoskeleton reorganization, Placenta, 3
8. Rima Dada, Professor, Department of, Anatomy, Basic, Yoga maintains Th17/Treg cell homeostasis and reduces the rate of T cell aging in rheumatoid arthritis: a randomized controlled trial, Scientific Reports, 3
9. Savita Yadav, Professor, Department of Biophysics, Biophysics, Basic, Unveiling the Significance of FGF8 Overexpression in Orchestrating the Progression of Ovarian Cancer, International Journal of Molecular Sciences, 3

10. Rupesh K. Srivastava, Associate Professor, Department of Biotechnology, Biotechnology, Basic, Lactobacillus Rhamnosus (LR) Ameliorates Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome (ARDS) via Targeting Neutrophils, Clinical Immunology, 2
11. Manoj Kumar Tembhre, Scientist, Department of Cardiac Biochemistry, Biochemistry, Basic, PGC-1α Agonist Rescues Doxorubicin-Induced Cardiomyopathy by Mitigating the Oxidative Stress and Necroptosis, Antioxidants (Basel), 2
12. Mayank Singh, Additional Professor, Department of Medical Oncology (Lab), Medical Oncology, Basic, Ubiquitin Specific Peptidase 37 and PCNA Interaction Promotes Osteosarcoma Pathogenesis by Modulating Replication Fork Progression, Journal of Translational Medicine, 2
13. Jayanth Kumar, MD, Additional Professor, Department of Biochemistry, Biochemistry, Basic, RNA Binding Protein IGF2BP1 Synergizes With ETV6-RUNX1 to Drive Oncogenic Signaling in B-cell Acute Lymphoblastic Leukemia, Journal of Experimental & Clinical Cancer Research, 1

Research Excellence Awards: Clinical Sciences Category

1. Suhani, Additional Professor, Department of Surgical Disciplines, Surgical Disciplines, Evaluation of Dual Dye Technique for Sentinel Lymph Node Biopsy in Breast Cancer: Two-Arm Open-Label Parallel Design Non-Inferiority Randomized Controlled Trial, World Journal of Surgery, Certificate of Excellence
2. Pragyan Acharya, Additional Professor, Department of Biochemistry, Biochemistry, Quantitative Plasma Proteomics Identifies Metallothioneins as a marker of acute-on-chronic liver failure associated acute kidney injury, Frontiers in Immunology, Certificate of Excellence
3. Krithika Rangarajan, Associate Professor, Department of Radiology BRAIRCH, Radiology BRAIRCH, Deep learning for Detection of IsoDense, Obscure Masses in Mammographically Dense Breasts, European Radiology, Certificate of Excellence
4. Pranay Tanwar, Professor, Department of Laboratory Oncology, Laboratory Oncology, Whole exome sequencing identifies novel variants of PIK3CA and validation of hotspot mutation by droplet digital PCR in breast cancer among Indian population, Cancer Cell International, Certificate of Excellence
5. Deepali Jain, Professor, Department of Pathology, Pathology, Concordance of Immunohistochemistry and Fluorescence In Situ Hybridization in the Detection of Anaplastic Lymphoma Kinase (ALK) and Ros Proto-oncogene 1 (ROS1) Gene Rearrangements in Non–Small Cell Lung Carcinoma, Arch Pathol Lab Med, Certificate of Excellence
6. Manjari Tripathi, Department of C. N Centre, C. N Centre, Safety, Efficacy, and Tolerability of Modified Atkins Diet in Persons With Drug-Resistant Epilepsy, Neurology, 3
7. Parijat Chandra, Professor, Department of RPC, RPC, Role of Fluorescein Angiography Guided Laser Treatment in Aggressive Retinopathy of Prematurity, Eye (Lond), 3
8. Vandana Jain, Professor, Department of Pediatrics Endocrinology Division, Pediatric, Carbohydrate Counting vs. Fixed Meal Plan in Indian Children with Type 1 Diabetes Mellitus: A Randomized Controlled Trial, Indian Journal of Pediatrics, 3
9. Kalpana Bansal, Additional Professor, Department of Pedodontics & Preventive Dentistry, Centre for Dental Education, Pedodontics & Preventive Dentistry Centre for Dental Education, Silver Diamine Fluoride Modified Atraumatic Restorative Treatment Compared to Conventional Restorative Technique on Carious Primary Molars–A Randomized Controlled Trial, Journal of Dentistry, 3
10. Rajeev Kumar, Professor, Department of Urology, Urology, Unilateral Versus Bilateral Vasoepididymal Anastomosis for Idiopathic Obstructive Azoospermia: A Randomised Controlled Trial, European Urology Open Science, 3
11. Prakash Ranjan Mishra, Associate Professor, Department of Emergency Medicine, Emergency Medicine, Nebulized vs IV Tranexamic Acid for Hemoptysis A Pilot Randomized Controlled Trial, Chest, 2
12. Sheffali Gulati, Professor, Department of Pediatrics, Pediatric, Brain Stimulation and Constraint Induced Movement Therapy in Children With Unilateral Cerebral Palsy: A Randomized Controlled Trial, Neurorehabilitation & Neural Repair, 2

13. Jhuma Sankar, Additional Professor Department of Pediatrics, Pediatrics, Multiple Electrolytes Solution Versus Saline as Bolus Fluid for Resuscitation in Pediatric Septic Shock: A Multicenter Randomized Clinical Trial, Crit Care Med, 1

Infosys Oncology Best Paper Award - Basic Science Category

1. Ritu Gupta, Professor & Office In Charge, Department of Lab. Oncology & National Cancer, Jhajjar, Laboratory Oncology, Basic, BDL-SP: A Bio-inspired DL model for the identification of altered signaling pathways in Multiple Myeloma using WES data, Am J Cancer Res, 3
2. Jyotirmoy Banerjee, Additional Professor, Department of Biophysics, Biophysics, Basic, RNA Sequencing of Intraoperative Peritumoral Tissues Reveals Potential Pathways Involved in GliomaRelated Seizures, Journal of Molecular Neuroscience, 2
3. Pramod Kumar Gautam, Additional Professor, Department of Biochemistry, Biochemistry, Basic, Macrophage infltration in 3D cancer spheroids to recapitulate the TME and unveil interactions within cancer cells and macrophages to modulate chemotherapeutic drug efficacy, BMC Cancer, 1

Infosys Oncology Best Paper Award - Clinical Science Category

1. CS Bal, Professor & Head, Department of Nuclear Medicine, Nuclear Medicine, Clinical, Headtohead comparison of [68Ga]GaDOTA.SA.FAPi with [18F]FFDG PET/CT in radioiodineresistant folliculareell derived thyroid cancers, European Journal Nuclear Medicine and Molecular Imaging, 3
2. Supriya Mallick, Associate Professor, Department of Radiation Oncology, Radiation Oncology, Clinical, Hypo-fractionated accelerated radiotherapy with concurrent and maintenance temozolomide in newly diagnosed glioblastoma: updated results from phase II HART-GBM trial, Journal of Neuro-Oncology, 2
3. Shipra Agarwal, Additional Professor, Department of Pathology, Pathology, Clinical, Pediatric Adrenocortical Neoplasms: A Study Comparing Three Histopathological Scoring Systems, Endocrine Pathology, 1

Participant Awards – Oral Presentation – 4th AIIMS Research Day 2025

UG

1. Pavit Singh, To study the differential exosomal abundance in pancreatic cancer patients, 3
2. Ishan Gupta, Insights from Transcriptome Analysis of Paired Acute Myeloid Leukemia (AML) Samples: Unlocking Novel CRISPR-Based Therapeutic Targets, 2nd Prize
3. Sathya Veera Merla, Understanding PAX5-Driven Subtypes in B-cell Acute Lymphoblastic Leukemia: A Comprehensive Analysis, 1st Prize

MSc

1. Mahek Farhan, Department of Biochemistry, Title: Creation of an L483P mutant Glucocerebrosidase Model and a CRISPR/Cas13-based RNA Editing Approach for Correction in Gaucher Disease, 1st Prize

JR

1. H V Bhavana, Obst. & Gynaecology, Randomised controlled trial to study the effect of ovarian drilling versus step up gonadotropin therapy in anovulatory infertile PCOS women undergoing ovulation induction cycles., 3rd Prize
2. Tavish Gupta, Dr. Rajendra Prasad Centre for Ophthalmic Sciences, SCAR-AI: Smartphone-Based Community Assessment of Corneal Opacities and Referral for Keratoplasty using Artificial Intelligence, 2nd Prize
3. Gupta Himani, Dr. R.P Centre, Functional MRI and DTI in Anisometropic Amblyopia Pre and Post Occlusion Therapy: Revealing neuralmechanisms behind variable responses, 1st Prize

SR

1. Paraselli Saiteja, Pediatrics, Efficacy of Cyclophosphamide Therapy in Frequently Relapsing and Steroid Dependent Nephrotic Syndrome- A Retrospective Cohort Study, 3
2. Devi Saranya S S, Pediatrics, Genotype-phenotype spectrum in an Indian cohort of Niemann-Pick disease type A/B, 2nd Prize

3. Sandeep Rao Kordcal, Medicine, Latent tuberculosis infection and active tuberculosis in household contacts of newly diagnosed multidrug-resistant tuberculosis patients, 1st Prize

PhD

1. Ashish Binjola, Radiation Oncology, Rheological and tensile properties of a novel radiotherapy gel bolus., 3rd Prize
2. Nisha Chauhan, Nuclear Magnetic Resonance, Chasing Cue Reactivity Task Based Functional Connectivity in Opioid Use Disorder, 2nd Prize
3. Harsh Bhakhri, Biochemistry, A versatile CRISPR/Cas12a-based nucleic acid test (NAT) for the detection of HIV-1 CladeC infection, 1st Prize

Participant Awards – Poster Presentation - 4th AIIMS Research Day 2025

UG

1. Vedant Garg, Study the Effect of COX (Cyclooxygenase) Inhibitor on Cancer-Testis Antigen (POTE) in the Ovarian Cancer, Commendation
2. Pavit Singh, Prevalence of compliance to gluten free diet in patients of celiac disease: a systematic review and meta-analysis, 3
3. Hayagrivas M B, Foot-pressure distribution method for detection of foot joint arthritis in patients with rheumatic diseases, 2
4. Ajinkya Naik, Correlation between Karolinska Sleepiness Scale and Day-time EEG, 1

MSc

1. Akansha Verma, Biotechnology, To Delineate the Role of Chronic Stress on the Osteo-Immune System, Commendation
2. Areeba Aziz, Biotechnology, Mechanistic Role of tRNA-derived RNA Fragments (tsRNAs) During Dengue (DENV) Infection, 3
3. Neeti Bharadwaj, Biochemistry, Evaluating the Neurotherapeutic Efficacy of Homeopathic Medicine Hypericum perforatum in Rescuing Hypoxia-exposed Oligodendrocytes in an in vitro Disease Model of Cerebral Palsy, 2
4. Atul Kumar Dandriyal, Biotechnology, To Determine if Composition of Fat inside Lipid Droplets Prevents or Triggers Lipophagy, 1

PhD

1. Vaishali Prajapati, Pharmacology, Therapeutic Potential of Abatacept in rat model of Cardiac Hypertrophy via CTLA-4 analogue: A Exploration of Signaling Pathways, Commendation
2. Gunjan Sharma, Physiology, Spinal Recovery with combinatorial approach of Theta Burst Stimulation and IronOxide Nanoparticles implantation, Commendation
3. Sutirtha Ghosh, Physiology, Pre-movement EEG Microstates as Predictive Indicator of Load in Biceps Curl Movement, Commendation
4. Nikhil Kumar, Ocular Pathology, Prognostic implications of Hippo pathway dysregulation and cell cycle kinases in uveal melanoma, Commendation
5. Ridhima Goel, Medical Oncology, Estrogen-related receptor gamma (ERRγ) as a potential therapeutic target and the synergistic anti-tumor effect of DN200434 (ERRγ inverse-agonist) and MK-2206 (Akt inhibitor) in ovarian carcinoma, Commendation
6. Akhil Kumar, Biotechnology, Evolutionary conserved fat storage-inducing transmembrane (FITM2) protein is crucial for lipid droplet biogenesis, 3
7. Manish Tripathi, Biotechnology, PvTRAg36.6 (PVX_112660) - Stomatin along with lipid interaction study - new insight of Plasmodium vivax invasion into human reticulocyte., 2

8. Shweta Sharma, Physiology, Synergistic Effects of Probiotics and rTMS on Cognitive and Motor Function in 6-OHDA PD Rats, 1

JR

1. Aradhana Sarma, Biochemistry, Generation and characterization of infectious molecular clones from HIV-1 viral envelopes derived from infected children, Commendation
2. Vishwas Kumar Anand, PMR, Assessment of central fatigue in postpolio syndrome using bereitschaftspotential, Commendation
3. Dr Aumkar Kishore Shah, Department of Anesthesiology, External Validation of a Machine-Learning derived risk prediction model for Post Operative Pulmonary Complications, 3
4. Sabari Sinehaa, Pathology, Decoding the Molecular Landscape of Epithelial Myoepithelial Carcinomas, 2
5. Kavya V Nair, Department of Anesthesiology, Comparative Assessment of Cortical Hemodynamic Activity Using Functional Near Infrared Spectroscopy and Correlation With Emergence Delirium In Children Undergoing Anesthesia With Sevoflurane Versus Propofol Tiva- A Randomized Controlled Trial, 1

SR

1. Sakshi Ojha, Pediatrics Surgery, Efficacy of Repetitive Transcranial Magnetic Stimulation in children and adolescents (age 5-18 years) with Generalized Dystonia: A Randomized Sham-Controlled trial, Commendation
2. Shaikh Abdul Mubeen Abdul Raheem, Biochemistry, CD14++CD16− classical monocyte subset secreting IL-1ß and high monocyte-tolymphocyte ratio is associated with 'Tuberculosis Resisters' phenotype, Commendation
3. Kanika Chaudhary, Microbiology, Early Carbapenemase detection from positive blood culture bottles by blood cell lysisextraction: Effective tool for antibiotic stewardship, Commendation
4. Praveen George Paul, Pediatrics, Effect of maternal obesity and post-partum lifestyle intervention on infant adiposity– A Nested RCT within a cohort study, 3
5. Rhea Ahuja, Dermatology and Venereology, Clinical and immunological predictors of early relapse in patients with pemphigus treated with rituximab: A prospective cohort study, 2
6. Kiran Kumari, Biotechnology, Male-Specific Y-Chromosome Mutations in Juvenile Nasopharyngeal Angiofibroma: New Insights from Whole Exome Sequencing, 1

Project Scientist (SPS)

1. Pattnaik Tanurag, Department of Oral Microbiology and Oral Pathology, CDER, Aarogya Aarohan-A Point-of-Care Artificial Intelligence (AI)-Based Screening Tool for Oral Cancer, Commendation
2. Rasna Parveen, Jai Prakash Narayan Apex Trauma Centre, Surveillance of Health-care-associated Infections in a Network of Hospitals in India: A Multicentric Prospective Study, 2017-2024, Commendation
3. Saumya Dash, Stem Cell Facility, Novel Bimodal Fluorescent Magnetic Nanoparticle: A Smart Material for Stem Cell-Homing and Tracking, Commendation
4. Srishti Jain, National Centre for Assistive Health Technology (NCAHT), Investigating Wheelchair Usage Patterns: A Cross-Sectional Study of User Experience at a Tertiary Hospital, using the rATA Questionnaire, Commendation
5. Prativa Choudhury, Department of Paediatric Surgery, SPLINT Technique for Stretched Penile Length Measurement in Children: Systematic Review, Validation Study, and Reference Nomograms with Associated Testosterone and Dihydrotestosterone Levels in Ages 1-14 Years: A Transformative Contribution to Clinical Care, 3
6. Swarandeep Singh, Department of Biochemistry, Enhanced HIV-1 Neutralization through Framework Indel Substitution and Affinity Maturation in a Pediatric Lineage Antibody, 2
7. Renu Venugopal, R. P Centre, Topical Sub-anticoagulant Dose Heparin Adjuvant Therapy Reduces TNFSF14 Expression in Ocular Stevens Johnson Syndrome Eyes: A Randomized Controlled Trial, 1

SDG

1. Saumya Srivastava, Centre for Advanced Research, Department of Otorhinolaryngology, Scientist III, Validation and performance evaluation of Mobilab: A portable point-of-care battery operated IoT enabled device for screening of Metabolic Disorders, Commendation
2. Deeksha Madhry, Biotechnology, PhD student, Biotin based Northern Blotting (BiNoB): A cost-efficient, non-hazardous and sustainable alternative, Commendation
3. Samanta Projoyita, Lab Medicine, JPNATC, Bridging education and health: Empowring health care professional to achieve SDG-3 through continuous medical education (SDG-4), 3
4. Kanchan Saini, Department of Biotechnology, PhD student, The Role of Diet and Micronutrients in Modulating Susceptibility to Infections, 3
5. Armanullah Khan, Department of Anaesthesiology, Pain Medicine and Critical Care, Senior Resident, Comparison of Sublingual and Intranasal Dexmedetomidine for Pediatric Premedication: A Novel Approach of dexmedetomidine premedication, 2
6. Mamta Puraswani, Lab Medicine, JPNATC, Scientist 1, High throughput approach to uncover the outbreak investigation in a tertiary care center, 1

Nursing

1. Sajithra S, Nursing Student, Effectiveness of a Mobile Application-Based Home Care Management Program for Kidney Transplant Recipients: A Prospective Study, 3
2. Ajio Joy, Nursing Student, A Study To Assess The Effectiveness Of A Mobile Application-Based Educational Intervention Regarding Oral Hygiene On Knowledge, Attitude, And Practice Among Parents Of Children With Congenital Heart Disease At AIIMS, New Delhi, 2
3. Akriti Chaudhary, Nursing Student, A Study To Assess The Effectiveness Of Modified Early Warning Score (Mews) On Patient's Outcome And Barriers Related To Its Use By Nursing Officers In Medicine Ward, AIIMS, New Delhi, 1

New MoUs signed

1. Indian Coast Guard (ICG) and CRTC-IRCF, AIIMS, New on 30 December 2024.
2. AIIMS, New Delhi CSIR-Centre for Cellular& Molecular Biology (CCMB) on 17 December 2024
3. AIIMS, New Delhi and Council of Scientific & Industrial Research (CSIR) on 17 December 2024.
4. Trilateral MoU involving AIIMS, UCL, and IIT Delhi on 22 November 2024.
5. National Forensic Science University (NFSU) and AIIMS on 4 October 2024
6. Ministry of Tribal Affairs (MoTA) and AIIMS New Delhi Signed on 22 May 2024.
7. A joint declaration of intent for Mobile Suitcase Technology in India, Director, Mobile Suitcase Lab Consortium, Leipzig University, Leipzig, Germany, Director, CSIR-Institute of Genomics & Integrative Biology (IGIB), New Delhi, India, Director, All India Institute of Medical Sciences (AIIMS), New Delhi, India, CEO, M/s VINS Biproducts Limited, Hyderabad, India, Managing Director and CEO, GenextGenomics, Nagpur, Maharashtra, India

MoUs renewed

AIIMS and CSIR-IGIB on 16 October 2024

AIIMS and UCL on 21 November 2024

AIIMS and THSTI, on 15 January 2025


4th AIIMS RESEARCH DAY 2025
January 29-30, 2025
Pan-AIIMS Research Colloquium
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RISHIKESH
All India Institute of Medical Sciences, Madurai
Dr. Ramalingaswami Board Room
January 29, 2025




Research Day
4th Research Day




Thursday, 30th January 2025
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली
All India Institute of Medical Sciences, New Delhi
Dr. K.K Verma
Dr. M Srinivas
Director, AIIMS





AIIMS Deans' (Research) Meet on 29 January 2025 during Research Day 2025



Professor Ajay Kumar Sood, Principal Scientific Advisor during Research Day 2025



Dr. Shitij Kapoor, Vice Chancellor & President, King's College London during Research Day 2025

CLINICAL RESEARCH UNIT

Research Section, AIIMS, New Delhi

Report 2024-2025

The **Clinical Research Unit (CRU), Research Section, AIIMS, New Delhi** is committed to delivering high-quality technical expertise and support in the planning, design, implementation, and analysis of investigator-initiated clinical research, in alignment with global best practices. CRU holds a distinguished position as an affiliated centre of the **Cochrane India Network** and functions as an advanced hub for clinical trials. It also plays an active role in the **Indian Clinical Trial & Education Network (INTENT)** initiative led by the **Indian Council of Medical Research (ICMR)**, contributing significantly to the advancement of clinical research capacity and standards in the country.

FACULTY AND STAFF

CRU Working Committee:

Dean (Research)

Nikhil Tandon

Associate Dean (Research)

Govind Makharia

Department of Gastroenterology & Human Nutrition

Vineet Ahuja

Professor & Head, Paediatric and Preventive Dentistry

Vijay Prakash Mathur

Professor & Head, Department of Medical Oncology

Sameer Bakhshi

Department of Paediatrics

Rakesh Lodha

Centre for Community Medicine

Sumit Malhotra

Department of Paediatrics

M Jeeva Sankar

Department of Pharmacology

Pooja Gupta

Department of Biostatistics

M Kalaivani

CRU Scientists:

Scientist-II (Epidemiology), Clinical Research Unit

Pradeep Kumar

Scientist-II (Biostatistics), Clinical Research Unit

Ashish Datt Upadhyay

Scientist-II (Health Economics), Clinical Research Unit

Kamalesh Kumar Patel

Scientist-II (Health Economics), Clinical Research Unit

Sanjukta Sarkar

HIGHLIGHTS

Clinical Research Unit (CRU) at **AIIMS, New Delhi**, continues to play a pivotal role in advancing clinical research and fostering academic excellence through a multidisciplinary, evidence-based approach. Our mission to support high-quality, investigator-initiated research is reflected in a series of impactful initiatives and achievements. Below are the key highlights in the FY 2024-25:

1. **Mentorship and Grant Support**: CRU Scientists has provided comprehensive mentorship and technical support for the development of multiple extramural research proposals. These include successful applications to esteemed

funding bodies such as **Indian Council of Medical research (ICMR)**, **Department of Health Research (DHR)**, **Department of Biotechnology (DBT)**, and the **Royal Society of Tropical Medicine and Hygiene (RSTMH)**. This mentorship fosters a research-intensive environment within AIIMS.

2. **Organization of High-Impact Training and Workshops**: CRU has successfully conducted a series of workshops, training programs, and hands-on sessions tailored to build and strengthen research capacity. These events have equipped clinicians, scientists, and postgraduate students with essential skills in research methodology, clinical trial management, biostatistics, and evidence synthesis. The following workshops were organised during half yearly period of FY 2024-25 by the CRU team:

EDUCATION

CMEs/Workshop/Symposia/National and International Conference

S. No	Title of workshop	Dates	Total attendees
1.	REDCap	9-10 April	46
2.	Systematic Review and Meta-analysis	18-19 April 2024	67
3.	Serious Adverse Event	2 May 2024	34
4.	Cochrane Reviews	7-9 May 2024	25
5.	Grant Writing	30-31 July 2024	53
6.	Protocol Development for Investigator-Initiated Clinical Trials	30 September–1 October 2024	40
7.	COVIDence	18 November 2024	31
8.	Rayyan	9 December 2024	32
9.	SPSS	18 December 2024	46
10.	Ethics in Publication and Responsible Authorship	24 February 2025	38

1. **Dissemination of Research at Prestigious Forums**: Our team has actively participated in leading national and international conferences, presenting original research that has contributed to the growing body of evidence in global health and clinical sciences. These presentations have enhanced the visibility of AIIMS on international research platforms.

2. **High-Quality Research Publications**: CRU scientists have published 22peer-reviewed articles in reputed scientific journals, showcasing the clinical and public health relevance of their findings and reinforcing CRU's commitment to addressing pressing healthcare challenges through robust evidence generation.

Lectures delivered at CMEs, National and International Conference

Pradeep Kumar

1. Key steps to Conduct systematic review & metanalysis, 58th Foundation Day celebrations of Dr. R. P. Centre for Ophthalmic Sciences, AIIMS, New Delhi, 9 March 2025,

2. How to Conduct systematic review & metanalysis, Regional Capacity Building in Systematic Reviews in India under the SARANSH (Systematic Reviews And Networking Support in Health), AIIMS, New Delhi, 18-22 December 2024,

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
16	24	21

LIST OF ORAL PAPER/POSTERS PRESENTED OVER PAST 3 YEARS

Total Number of Oral Presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral	**03**	**02**	**02**

Total Number of Poster Presentations

Presentation	2022–2023	2023–2024	2024–2025
Poster	03	03	02

Oral Presentations

1. Kumar P, Misra S, Nath M, Comparative Efficacy of DOACs vs. VKAs in Stroke Prevention for Atrial Fibrillation: A Network Meta-Analysis, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Visakhapatnam, India
2. Upadhyay AD, Patel K K, Kumar P, Navigating the Statistical Analysis Test to Graph", 20th Annual Conference of Indian Fertility Society, 6 December 2024, Ahmedabad, India

Poster Presentations

1. Kumar P, Misra S, Nath M, Machine learning in prediction of Headache spectrum, Consortium for Research Education Social Awareness & Training in Neurosciences (CREST) Neuro Conclave 2025, 9-12 January 2025, New Delhi, India
2. Patel K K, Kumar P, Upadhyay AD, Association of screen time and mental health in children A systematic review and meta-analysis, 6th Asian Population Association Conference, 2024, 27-30 November 2024, Kathmandu, Nepal

RESEARCH

Completed

1. Effect of different Iron folic acid (IFA) formulations, doses, frequencies on pregnancy and neonatal outcomes among anaemic pregnant women: A Systematic Review and Meta-analysis, Dr. Pradeep Kumar, ICMR, 1 Year, 2023-2024, Rs 7.50 Lakhs
2. Efficacy of supplementation/fortification of iron to low birth weight new born/ pre-term/SGA on Anemia status: A Systematic Review and meta-analysis, Dr. Pradeep Kumar, ICMR, 1 Year, 2023-2024, Rs 7.50 Lakhs

COLLABORATIVE PROJECTS

Ongoing

1. A comprehensive "multi-omics based approach to identify clinically actionable genes and tear fluid -based biomarkers in early onset keratoconus, RP Centre
2. Defining the whole exome sequencing based genetic determinants in Indian patients with congenital heart diseases, Cardiology
3. Expression of immune checkpoints in circulation and at maternal-fetal interface and its correlation with whole exome sequencing based genetic variants in pre-eclampsia patients, Obst & Gynae
4. Identification of blood-based protein biomarkers for stroke subtype differentiation and outcome prognostication using a high-throughput proteomics and machine learning approach, Neurology
5. Novel use of Etonogestrel (ETN) Subdermal Implant (SDI) in adolescents and reproductive age group women with cndometriosis and its comparison with Levonogestrcl Intra-Uterine System (LNG- JUS): A non-inferiority prospective pilot study, Obst & Gynae
6. Unravelling the causes of stroke and cognitive decline in general population: A cross-cultural perspective, Neurology

RESEARCH OVER PAST 3 YEARS:

Research Projects	2022–2023	2023–2024	2024–2025
Total funded projects	**0**	**2**	**0**
Total Funding	**0**	**Rs 15 Lakhs**	**0**

Publications:

Journals: 20

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**14**	**22**	**20**
Journal Articles	**14**	**18**	**20**
Abstracts	**0**	**1**	**0**

PATIENT CARE: NA

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Kumar P: Travel Grant to attend 11th European Stroke Conference (ESOC 2025) held from 21-23 May 2025 at Helsinki, Finland

Patel KK: Best poster award for the poster presentation entitled "*Association of screen time and mental health in children A systematic review and meta-analysis"* in the 6th Asian Population Association Conference at Kathmandu, Nepal, November 2024.

VISITING SCIENTIST:

The Research Deans of 19 other AIIMS visited CRU on 29 January 2025 to understand the working of CRU and desired to replicate the same in their own respective institutions. During this meeting it was also decided to include faculty in various programs of CRU like GCP training, Clinical Trial SOP and Health Economics etc.

Centralized Core Research Facility

Faculty &Scientists:

S. No	Sub-Facility	Faculty Coordinator	Scientist - II
1.	Bio-Analytics	T. Velpandian, Professor, Ocular Pharmacology & Pharmacy Division, RP Centre for Ophthalmic Sciences	Hanuman Prasad Sharma
2.	Bioinformatics	Punit Kaur, Professor, Department of Biophysics	Amit Katiyar, Dibyabhaba Pradhan
3.	BSL-3	Lalit Dar, Professor & Head, Microbiology	Sunita Kanswal
4.	Flow Cytometry	D.K. Mitra, Professor & Head, Department of T.I.I.	Rahul Sharma, Ravinder Singh
5.	General Facility	Kalpana Luthra, Professor & Head, Department of Biochemistry	Vikas Sharma, Shubbir Ahmed
6.	Genomics Core Facility	Madhulika Kabra, Professor and Head, Department of Pediatrics	Lata Rani
7.	Microscopy	Parthaprasad Chattopadhyay, Professor, Department of Biochemistry	Saumitra Dey Choudhury
8.	Proteomics	Punit Kaur, Professor & Head, Department of Biophysics	Sabyasachi Bandyopadhyay
9.	Project Management	Dean (Research) Associate Dean (Research)	Kamal Gulati

HIGHLIGHTS

Dr. Kamal Gulati coordinated a study tour visit of faculty and students of UCL Global Business School for Health, UK to AIIMS, New Delhi on 18 October 2024.

EDUCATION

	Co-Supervisor	DC member	No of students	Department
Ph. D.	Dr. Amit Katiyar & Dr. Dibyabhaba Pradhan	16	03	*Anatomy, Biochemistry, Forensic Science, Laboratory Medicine, Microbiology, Neuropathology, Pathology, Pharmacology*
Ph. D.	Dr. Rahul Sharma & Dr. Ravinder Singh	06	00	Physiology, IRCH, Pharmacology
Ph. D.	Dr. Sabyasachi Bandyopadhyay	04	00	Physiology, Pathology, *Neurology*
M.D.	Dr. Kamal Gulati	1	1	Hospital Administration
D.M.	Dr. Lata Rani	-	01	Obstetrics & Gynaecology
MSc		-	-	Six sessions of Bioinformatics classes to Teach MSc Biotechnology students of AIIMS.

CMES/WORKSHOPS/SYMPOSIA/NATIONAL AND INTERNATIONAL CONFERENCES

Organized at AIIMS, New Delhi:

1. A three Days flow cytometry wet workshop was jointly organized by the FACS Facility and BD Biosciences on the theme " Pushing the boundaries of flow cytometry: Image Enabled spectral cell sorting from 3-5 December 2024.
2. Hands on Workshop entitled "High-throughput RNA-sequencing data analysis" held at CCRF: Bioinformatics Facility, 5-6 November 2024.
3. Advanced 3D Image Processing Workshop using Arivis Pro 4.2 was organized on 21 January 2025.
4. Fall Live-Cell Imaging Hands-on Training Workshop was organized on 4-5 September 2024.
5. A flow cytometry wet workshop was jointly organized by the FACS Facility and CYTEK Biosciences Inc. on the theme "Spectral Flow Cytometry: Implications in Biomedical Research" on 01 August 2024.
6. A Basic flow cytometry hands-on workshop was organized by the FACS Facility on 19 July 2024
7. "Targeted multi-omics - Hands-on workshop using LC-MS/MS (Targeted Proteomics, Metabolomics and Lipidomics". 30 April 2024, AIIMS, New Delhi.
8. Spring Confocal and Super-Resolution Microscopy Hands-on Training Workshop was organized on 19-20 April 2024.
9. Hands-on workshops titled "Detection and quantitation of proteins by Western Blotting and Gel Documentation system" organized by CCRF: General facility on 4-5 June 2024 and 3-4 September, 2024

LECTURES DELIVERED AT CMES, NATIONAL AND INTERNATIONAL CONFERENCES

Lectures Delivered: 23

Kamal Gulati: 7 **Hanuman Prasad Sharma: 2**

Dibyabhaba Pradhan: 4 **Amit Katiyar: 2**

Rahul Sharma: 1 **Ravinder Singh: 1**

Saumitra D Choudhary: 3 **Sabyasachi Bandyopadhyay: 1**

Shubbir Ahmed: 1 **Vikas Sharma: 1**

Kamal Gulati

1. Striving for equity: Exploring gender-inclusive medical leadership in India, 11th International Conference on Gender and Women's Studies 2024 (GWS2024), 8-9 July 2024, Mumbai
2. Shining a Light on Gender Disparities in Academic Medical Leadership in India, 14th Asia Pacific Travel Health Conference, 18-21 September 2024, Kathmandu, Nepal

3. Beyond the Stethoscope: Unravelling the interconnected dynamics of hospital governance and medical leadership in Indian health system, Annaul Conference of the George Institute for Global Health India and Indian Institute of Management (IIM), Bangalore, 5-7 September 2024, Bangalore
4. Evidence-based Medical Leadership Development for Physicians: A Qualitative Study, India Management Research Conference (IMRC) 2024, Indian Institute of Management Ahmedabad, 7-9 December 2024, Ahmedabad
5. 20 Years of Silence: Shining a Light on Gender Disparities in Academic Medical Leadership in India, India Management Research Conference (IMRC) 2024, Indian Institute of Management Ahmedabad, 7-9 December 2024, Ahmedabad
6. Shaping The Future: Perspectives Of Established & Aspiring Entrepreneurs on India's Business Landscape, India Management Research Conference (IMRC) 2024, Indian Institute of Management Ahmedabad, 7-9 December 2024, Ahmedabad
7. 'Gender in Indian Healthcare', NexGen Women in STEM Symposium organized by the British High Commission, Chevening Alumni, and Oxford University, 21 February 2025, XLRI, Gurgaon

Hanuman Prasasd Sharma

1. Mass spectrometry and chromatography, Targeted multi-omics - Hands-on workshop using LC-MS/MS (Targeted Proteomics, Metabolomics and Lipidomics – 3rd Series, 30 April 2024, New Delhi, India
2. Utility of LC-MS/MS in Quality Control of Ayurvedic Formulations, Current Trends in R & D, Modern Scientific Advances & Technology for Scientific Understanding and Promotion of Ayush Systems, 25 November 2024, Chennai, India

Dibyabhaba Pradhan

1. RNAseq Data analysis, Advent of Omics technologies in precision diagnostics and targeted therapeutics, 25 April 2024, ICMR-NICPR, Noida
2. NGS data analysis in stress induced lifestyle disease, "Emerging Frontiers in Stress Biology" held at the Department of Bioscience and Biotechnology, Banasthali Vidyapith, Rajasthan during 18-20 October 2024, 18 October 2024, Banasthali, Rajasthan
3. High-throughput RNA-sequencing protocol and downstream analysis, "Next Generation Sequencing (NGS) Data Analysis" held at Central University of Punjab from 5-7 March 2025, 5-6 November 2024, New Delhi
4. NGS Data analysis in healthcare, "Next Generation Sequencing (NGS) Data Analysis" held at Central University of Punjab from 5-7 March 2025, 6 March 2025, Bathinda, Punjab

Amit Katiyar

1. Linux for Bioinformatics, "High-throughput RNA-sequencing data analysis" held at CCRF: Bioinformatics Facility, from during 5-6 November 2024., 5-6 November 2024, New Delhi
2. R and Bioconductor for Bioinformatics, "High-throughput RNA-sequencing data analysis" held at CCRF: Bioinformatics Facility, from during 5-6 November 2024, 5-6 November 2024, New Delhi

Rahul Sharma

1. Basics of Multicolor Flow Cytometry, "Wet workshop on Basic Flow Cytometry for Beginners" organized by FACS Facility, 19 July 2025, New Delhi

Ravinder Singh

1. Sample preparation and applications of multicolor flow cytometry, "Wet workshop on Basic Flow Cytometry for Beginners" organized by FACS Facility, 19 July 2025, New Delhi

Saumitra D Choudhary

1. A Versatile Nanobody-based Approach to Imaging, Fall Live-Cell Imaging Hands-on Training Workshop, 4 September 2024, AIIMS New Delhi
2. Capabilities and Infrastructure of the Microscopy and Imaging Facility at CCRF, AIIMS, India Bio Imaging (IBI) Meeting 2024, 12 December 2024, IISER Pune
3. Panelist on two panel discussions: Rebuilding of IBI - Perspectives of the Indian Imaging Scientists and Shaping the Future of the India Bio Imaging. Moderated the session on Image Data Management., India Bio Imaging (IBI) Meeting 2024, 12-13 December 2024, IISER Pune

Sabyasachi Bandyopadhyay

1. Roadmap to Targeted Proteomics Demonstration of method development for targeted LC-MS/MS omics, Targeted multi-omics - Hands-on workshop using LC-MS/MS (Targeted Proteomics, Metabolomics and Lipidomics), 30 April 2024, New Delhi

Shubbir Ahmed

1. Introduction to Western Blotting and protein quantitation, Hands-on workshops titled "Detection and quantitation of proteins by Western Blotting and Gel Documentation system" organized by General Facility, CCRF, 4 June 2024, New Delhi

Vikas Sharma

1. Introduction to electrophoresis techniques, Hands-on workshops titled "Detection and quantitation of proteins by Western Blotting and Gel Documentation system" organized by General Facility, CCRF, 4 June 2024, New Delhi

RESEARCH OVER PAST 3 YEARS

2022–2023	2023–2024	2024–25
16	24	23

LIST OF POSTERS PRESENTED: 12

1. Gajendra, S Gupta R, Rani L, Kaur G, Dwivedi T, Basnal A, Sharma OD, Kumar L, Landscape of Genomic Aberrations in Multiple Myeloma., Society of Hematologic Oncology Twelfth Annual Meeting (SOHO 2024), September 4-7 September, 2024, Houston, Texas, USA
2. Goswami A, Alam N, Gupta V, Garg P, Katiyar A, Ojha V, Sharma P, Rathor S, Kumar S, Behera C, Ray R, Seth S, Arava S., Deciphering the genetic terrain of dilated cardiomyopathy: A preliminary study of 100 cases in the Indian sub-continent., ASHG (American Society of Human Genetics) Annual Meeting, November5-9 November, 2024, Denver, Colorado
3. Goswami G, Alam N, Garg P, Kumar Y, Dagar S, Das S, Kumar S, Katiyar A, Ojha V, Sharma P, Rathor S, Kumar S, Ray R, Seth S, Arava S, Arrhythmogenic cardiomyopathy: Genetic landscape and need for family screening in Indian scenario., Asia-Pacific region on arrhythmia (APHRS), September26-29 September, 2024, Sydney
4. Goswami G, Alam N, Gupta V, Garg P, Katiyar A, Ojha V, Sharma P, Rathor S, Kumar S, Behera C, Ray R, Seth S, Arava S., Hypertrophic cardiomyopathy contemporary outcomes of family screening and the necessity of whole exome sequencing in Indian sub-continent, The 5th Edition of the Cardiology World Conference, September 5-7 September, 2024, Madrid, Spain
5. Gupta SK, Leons GK, Sharma P, Rani L, Bakhshi S, Gupta R, Gajendra S, Sahoo RK, Pushpam D, Utility of Anchored Multiplex PCR and Targeted Sequencing in Fusion Detection in B-cell Acute Lymphoblastic Leukemia (B-ALL), ICKSH 2025, 27-29 March 2025, Seoul, South Korea
6. Gupta SK, Sharma P, Leons GK, Rani L, Bakhshi S, Gupta R, Gajendra S, Sahoo RK, Pushpam D., Role of Archer Fusionplex ALL sequencing panel in the genomic assessment of B-Cell acute lymphoblastic leukemia (B-ALL) in Indian patients., 25th Annual Academic Sessions of Sri Lanka College of Haematologists- Haem Icon 2024, 27-28 September 2024, Colombo, Sri Lanka
7. Gupta SK, Sharma P, Leons GK, Rani L, Bakhshi S, Gupta R, Gajendra S, Sahoo RK, Pushpam D., Detection of gene fusions using Archer Fusionplex ALL targeted sequencing panel in B-Cell Acute Lymphoblastic Leukemia (B-ALL)., SIOP-Asia conference, June22-25 June, 2024, North Yokohama, Japan
8. Rani L, Gupta R, Gogia A, Gajendra S, Kaur G, Sharma A, Kumar L, Multiplex ligation-dependent probe amplification (MLPA): Utility as a first line screening tool for detection of clinically relevant genomic aberrations in CLL., Society of Hematologic Oncology Twelfth Annual Meeting (SOHO 2024), September 4-7 September, 2024, Houston, Texas, USA
9. Riccardo Moia Thomas Chatzikonstantinou ……. Rani L…… et al., Clinical impact of clonal relationship in Richter transformation: an international multicenter study conducted by ERIC, EHA 2024, June13-16 June, 2024, Madrid, Spain
10. Sabyasachi Bandyopadhyay, Megha Brijwal, Aashish Choudhary, Lalit Dar, Punit Kaur, Gururao Hariprasad, Identification of SARS-COV-2 Mutated Peptides and Human Protein Biomarkers Flagging COVID-19

Pathogenicity: A Label-Free LC-MS/MS Proteomics Approach Using Naso- and Oro-pharyngeal Samples, International Conference on "Integrated omics approaches for decoding biological research" organized by Proteomics Society, India, 21-23 November 2024, National Chemical Laboratory, Pune

11. Sunita Kanswal, Biosafety and Biosecurity in Focus: New Directions in the 'Biosafety in Microbiological and Biomedical Laboratories' (BMBL) guidelines in the post-COVID-era, VIROCON 2024, 11-13 November 2024, Gwalior
12. Vitale C, Chatzikonstantinou T, Karakatsoulis G.…Rani L……et al., Impact of venetoclax-based therapies on autoimmune cytopenias in patients withchronic lymphocytic leukemia: amulticenter study conducted by ERIC, the European Research Initiative on CLL, EHA 2024, 13-16 June 2024, Madrid, Spain

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

Presentation	2022–23	2023–24	2024–25
Poster	2	7	12

RESEARCH

Funded projects

Ongoing

Bioanalytics

1. Integrative transcriptomics and metabolomic profiling of Juvenile Idiopathic Arthritis for identifying potential biomarkers and drug candidate, Dr. Hanuman Prasad Sharma, AIIMS-Intramural grant, 2 Years, 2024-2026, Rs 10 Lakhs

BSL-3

1. Advancing High Containment Laboratory (HCL) Operations and Maintenance (O&M) Programs to Secure High-Consequence Pathogens in India., Dr. Vikram Saini, U.S. Department of State's Office of Cooperative Threat Reduction (CTR) and ICDDR, Dhaka, 1 Year, 2024-2025, Rs 15 Lakhs

General Facility - Vikas Sharma

1. Deciphering the role of RNA modifications in development of therapeutic resistance in IDH1 WT glioblastoma., Dr Vikas Sharma (PI), AIIMS intramural Funding, 1 Year (extendable for next year), 2024-2025, Rs 10 Lakhs (5 Lakhs per year)

General Facility - Shubbir Ahmed

1. Establishing cyclic-peptide phage display library to screen for cyclic-peptide inhibitors against programmed cell death 1 (PD-1) protein as cancer therapeutic, Dr. Shubbir Ahmed, AIIMS Intramural, 2 Years, 2025-2027, Rs 10 Lakhs (5 lakh/yr)

Genomics

1. Feasibility of Optical Genome Mapping in the Assessment of Genomic Complexity in Newly Diagnosed Multiple Myeloma-A Pilot Study., Lata Rani, AIIMS &CSIR-IGIB, 2 Years, 2025-2027, Rs 20,00,000/-
2. Next generation sequencing based determination of Immunoglobulin heavy variable somatic hypermutation status in chronic lymphocytic leukemia for improving diagnostic and therapeutic approaches, Lata Rani, AIIMS-Intramural, 2 Years, 2025-2027, Rs 10 Lakhs

Departmental projects (including thesis/dissertations):–

Collaborative projects

Ongoing

Bioanalytics

1. Correlation of antidepressant therapy with orexinergic pathway integrating targeted metabolomics in patients with major depressive disorder: a longitudinal study, Department of pharmacology, AIIMS
2. Exploratory analysis of the association between pyrethroid exposure and Parkinson's disease: A Case-control study, Department of pharmacology, AIIMS
3. Metabolic profiling of prostate cancer to identify biomarkers using Nuclear Magnetic Resonance and Mass Spectrometry, Department of NMR, AIIMS

4. Microbiome-metabolome axis in non-small cell lung cancer, Department of pathology, AIIMS
5. TLR4linked gut-ocular axis in the idiopathic uveitis: potential pathway for rationalizing treatment strategies, Department of Ocular Pharmacology, AIIMS

Bioinformatics

Ongoing

1. Ab initio identification of T cell epitopes for tuberculosis vaccine candidate, Biochemistry, AIIMS
2. Comparative assessment of cancer driver genes and mutational signatures of Xeroderma pigmentosum with sporadic skin cancers, Dermatology, AIIMS
3. Deciphering the role of RNA modifications in development of therapeutic resistance in IDH1 WT glioblastoma, CCRF, AIIMS
4. Defining the whole exome sequencing based genetic determinants in Indian patients with congenital heart diseases, Cardiac Biochemistry, AIIMS
5. Transforming CNS Tumor Care: Harnessing Histopathological Data, Multiomics and Artificial Intelligence for Precision Diagnosis and Effective Management, Department of Neuropathology, AIIMS

Completed

1. Establishing the cause in sudden unexplained deaths in Young, Pathology, AIIMS
2. Transforming CNS Tumor Care: Harnessing Histopathological Data, Multi-omics, and Artificial Intelligence for Precision Diagnosis and Effective Management, Neuropathology, AIIMS

Genomics

Collaborative projects

Ongoing

1. Ambispective Observational study to assess alteration in fecal microbiota in operated patients of choledocal malformation., Department of Microbiology, AIIMS
2. To assess the incidence and prevalence of second primary malignancies (SPM) both preceding or following CLL diagnosis and their impact on the disease course and overall survival (OS), Laboratory Oncology Unit, Dr. BRAIRCH, AIIMS

Completed: **Nil**

1. A multi-omics study and development of a prognostic computational model for COVID-19 to correlate clinical outcomes and disease sequelae with the differential immunological response, mutational and vaccination status in India, Department of Biophysics

Microscopy

1. Deciphering alterations in synaptic and extra-synaptic GABAA receptor configuration and their role in modulation of GABAergic activity in Focal Cortical Dysplasia, Department of Biophysics, AIIMS New Delhi
2. Role of Mitochondria-Endoplasmic Reticulum Cross-Talk in Follicular Dynamics in Premature Ovarian Insufficiency, Department of Reproductive Biology, AIIMS New Delhi

Proteomics

Collaborative projects

Ongoing

1. Multiplexed Spatially Resolved Analysis of Protein Signature of the Invasive Front of Oral Squamous Cell Carcinoma, Department of Pathology, AIIMS, New Delhi
2. Proteomic-based Outcome Biomarker Exploration in ESKAPE Organism Sepsis in Major Burns (PROBESCAPE), Department of Plastic, Reconstructive & Burns Surgery, AIIMS, New Delhi
3. Serum proteomics for the identification of biomarkers to flag predilection of COVID-19 patients to various organ morbities, Department of Biophysics, AIIMS, New Delhi
4. To study the role of serum proteomics profiles in subjects with metabolic syndrome, Department of Medicine, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research Project/ Faculty	2022–2023	2023–2024	2024–25
CCRF scientists	1	2	7

SERVICES PROVIDED

i. **Bioanalytics** - The Bioanalytics facility employs state-of-the-art instruments for the isolation, purification, and mass spectrometric characterization of analytes derived from biological sources, including humans, animals, plants, and microorganisms. The facility offers thorough in-silico data analysis for multi-omics projects. Furthermore, the facility offers a platform for the specialized analysis of proteins identified through Discovery-type experiments.

Services provided	Number of users			
	2022–23	2023–24	2024–25	Total hours
Consultation regarding planning and execution of bioanalytical work	15	16	25	N/A
Execution of bioanalytical work	4 (600 hrs)	5 (1000 hrs)	7 (1150 hrs)	2750 hrs
Multi-omics data analysis	Nil	2 (100 hrs)	2 (100 hrs)	200 hrs

ii. **Bioinformatics** facility is a high-performance computing facility consisting of high-end GPU/CPU based compute nodes (for NGS data analysis, molecular modeling, deep learning etc.,), RAM 3.4TB and 1PB PFS storage systems. This facility works closely with other core facilities (such as genomics, proteomics, metabolomics, etc.) by providing continuous and seamless data storage, access, and analysis of the large amount of data generated by these and others departments/center/facilities. To date, the facility has provided services to over 32 departments/centre of AIIMS on more than 55 large-scale projects in genomics, next-generation sequencing, and clinical research. The facility also supports MSc/MD/ PhD students in achieving their scientific goals and contributes in developing projects in genomics and NGS.

iii. **Flow-Cytometry core facility** stands at the forefront of advanced cell analysis and sorting technologies and provides state of the art instrumentation and resources for fluorescent analysis of cells at the single cell level, including high-speed fluorescence-activated cell sorting. The facility houses two most advanced flow cytometers, BD FACS Aria Fusion Sorter (18 color 5 LASER) and BD FACS Symphony A5 (35 Color, 5 LASER) with the dedicated scientific and technical team. The facility is fully operational to the researchers and assist at every step from experimental /panel design to data analysis in all the areas of flow cytometry including training, workshop, acquisition, data analysis, and cell sorting etc.

Services provided			
	2022–23	2023–24	2024–25 (Current)
BD FACS Aria Sorter	32	49	226
BD FACS Symphony	150	504	853
TOTAL	182	553	1079

Services provided			
	2022–23	2023–24	2024–25 (Current)
BD FACS Aria Sorter	03	06	10
BD FACS Symphony	13	21	28
TOTAL	16	27	38

iv. **General Facility**:

The General Facility at CCRF serves as a key sub-facility dedicated to molecular research, offering cutting-edge instrumentation and expert technical support. This facility acts as a vital hub for researchers, enabling them to perform complex experiments and efficiently process samples. The GF is equipped with an impressive array of advanced equipment, ensuring comprehensive support for a wide range of scientific needs. These include instruments such as PCR machines, electrophoresis systems for DNA/RNA and protein analysis, multimode readers, refrigerated centrifuges, Ultracentrifuges, Gel documentation systems, lyophilizers, biosafety hoods, and many others. The GF not only provides state-of-the-art tools but also fosters skill development through hands-on training and guidance. Regular training sessions are organized for faculty, researchers, staff, and students at AIIMS, covering essential molecular biology techniques. Beyond supporting experimental work, scientists at

the General Facility are actively engaged in research, both independently and in collaboration, contributing to projects funded by AIIMS and other prestigious national agencies. Overall, the General Facility blends advanced technology, training opportunities, and active research involvement, thereby driving progress and innovation in the field of molecular and protein biology.

v. Genomics

Services provided by Genomics Facility			
	2022–23	**2023–24**	**2024–25 (Current)**
Library Preparation	Exome Sequencing (n=32), Chromosome screening (n=36)]	356	122
SARS-CoV-2 sequencing	872	272	Nil
Fragment Analyzer	75	195	183
Qubit	500	1578	791
Protocol and experiment design for submission of grant proposal/for achieving the objectives proposed	05 users	05 users	07

Microscopy

Microscopy: The confocal system was installed in CCRF in November 2020 and has been operational

since February 2021. It has been used extensively by researchers from various departments since then. This state-of-the-art confocal system is equipped with a temperature and gas-controlled incubation chamber for live imaging applications. The system was upgraded to a semi super-resolution system by adding the Airyscan module in January 2023. In the year 2024-2025, this facility has helped researchers in the fields of anatomy, biochemistry, biophysics, biotechnology, cardiac biochemistry, gastroenterology, pathology, neuropathology, pharmacology, medical physics/ medical oncology-IRC Hand reproductive biology among others towards addressing their research questions related to biomarker discovery, clinicopathology, drug assay, and molecular diagnosis. In terms of capacity building and knowledge dissemination, the facility has conducted 3 training workshops.

Department-wise usage of LSM980 Confocal Microscope in 2024-2025



Proteomics

Support for gel-based (2D-GE and DIGE) and LCMS/MS based proteomics experiments from all sorts of biological samples like cells, tissues, biofluids and microorganisms. Qualitative and quantitative comprehensive proteomics experiments (label free and label based) and data analysis for protein biomarker discovery and targeted proteomics. Have provided facility and support to 38 students and scholars from 16 departments at AIIMS. Various types of supports were provided which include but not limited to (1) Proteomics study designing, (2) Sample processing, (3) Vacuum concentration of solutions containing biological samples (4) LCMS/MS Data analysis both discovery and targeted (5) Bioinformatics analysis (6) Submitting project proposal, and (7) Submitting article for publications.

Publications

Journals: 18 **Abstracts: 02** **Chapters in Book:01**

Publications

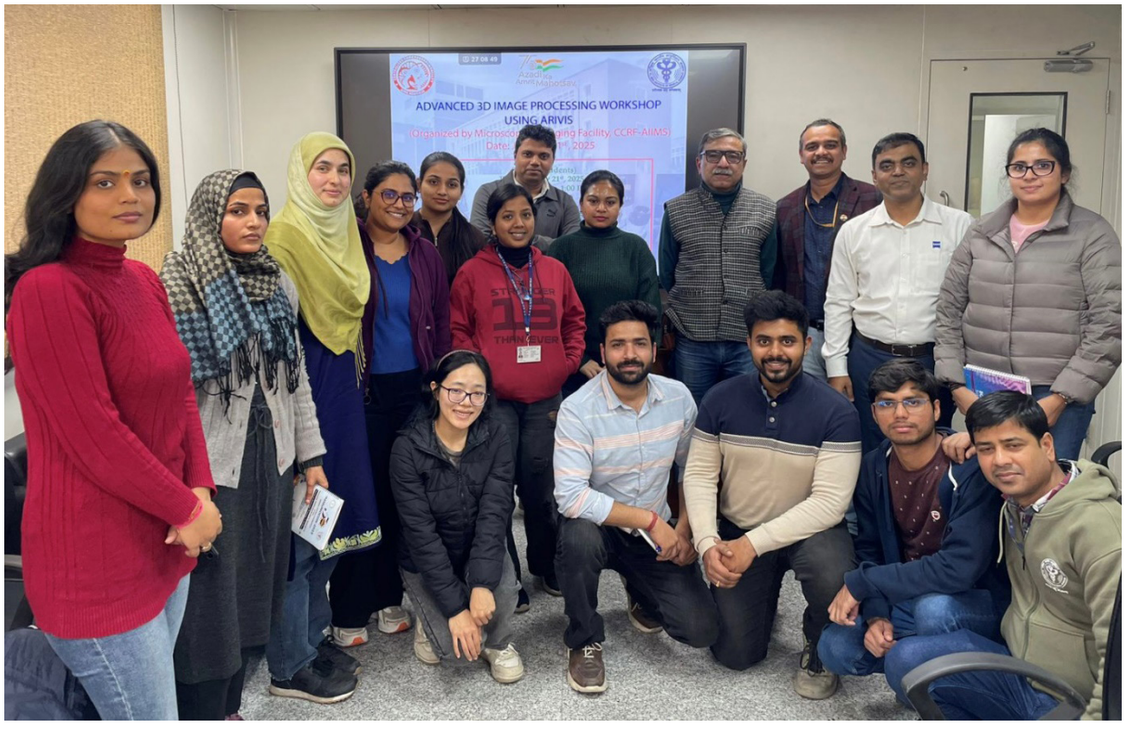
Item	2022–23	2023–24	2024–25
Total	23	25	21
Journal article	21	20	18
Abstract	02	04	2
Book chapter	--	01	1

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Kamal Gulati received Oxford Centre for Mutual and Co-owned Business's Professor John Hoffmaire interviewed Dr. Kamal Gulati and published on Centre for Business & Poverty (2024). Received Best Research Paper Award at the India Management Research Conference (2024), Indian Institute of Management, Ahmedabad. The George Institute for Global Health India and Indian Institute of Management (IIM), Bangalore Travel Grant as speaker in the 8th Global Symposium on Health Systems Research (HSR 2024) held at IIM, Bangalore, 5-7 September 2024. Co-National Coordinator, PAN-AIIMS Research Consortium. Coordinator, for AIIMS-UCL-IITD Trilateral (MedTech)research scheme, and AIIMS-UCL Bilateral research scheme. Continued to serve as Honorary Lecturer at University College London (UCL) Global Business School for Health 2023-2026.

ACTION PLAN

To fully operationalize CCRF by restoring the BSL-3 and Proteomics Laboratories, and upscaling other labs, thereby enhancing support for faculty and student researchers at AIIMS.



Participants during the *Advanced 3D Image Processing Workshop using Arivis Pro 4.2* organized on January 21st, 2025 at CCRF.

Centre for Medical Innovation and Entrepreneurship (CMIE)

Centre for Medical Innovation and Entrepreneurship (CMIE) is flagship bio-incubator at All India Institute of Medical Sciences, New Delhi supported by BIRAC, GoI and AIIMS, New Delhi. Launched in June 2021, CMIE operates from two sites: a. Room No. 901, 9th Floor, National Centre for Ageing, AIIMS which houses landing office and laboratory. The facility was officially inaugurated on 19th October 2023 by Professor M. Srinivas, The Director, AIIMS in August presence of Professor Jeewan S Titiyal, Dean (RS), Professor Kaushal K. Verma, Dean (Academics) and members from BIRAC and faculties of AIIMS, New Delhi) b. 4th and 5th floor of Research Block, NCI, Jhajjar Campus of AIIMS, Delhi which houses the office, meeting rooms and fully-functional laboratories including central laboratory facility for the incubatees. The facility of NCI – AIIMS, Jhajjar will be used extensively by all the incubatees of CMIE – AIIMS. This facility was inaugurated by Union Health Minister Dr Mansukh Mandaviya in the presence of MoS (Health) Prof S P Singh Baghel & Dr Bharati Pravin Pawar, and other dignitaries on 13th December 2023. CMIE seeks to capitalize on indigenous academic innovations in the healthcare sector by enabling the results of research efforts carried out by such Faculty/Scientist/ Students/Residents/Researchers of AIIMS, New Delhi. Along this line, CMIE – AIIMS also enables Indian startups working in healthcare area to leverage the mentorship and guidance of AIIMS clinical and non-clinical faculty, and also by giving them paid access to advanced laboratory equipment and resources at AIIMS. Since its inception, CMIE – AIIMS has incubated 21 innovators including 16 start-ups, 5 inhouse faculties with 2 graduated start-ups who are mentored by faculties from various department of AIIMS including Department of Microbiology/Laboratory Medicine/Stem Cell/RPC and others. A notable achievement of CMIE – AIIMS is the support offered to the faculty members of AIIMS, Delhi to write and submit their innovations to BIRAC under the Biotechnology Ignition Grant (BIG) wherein, 5 faculties (out of 11 applications) have been granted the award from the BIG – 21, 22 and 23 call. The faculties winning the BIG award are Professor Deepak Aggarwal, Department of Neurosurgery (BIG – 21); Dr. Pragyan Acharya, Department of Biochemistry (BIG – 21); Professor Alok Thakar, Department of Otolaryngology & Head-Neck Surgery (BIG – 22); Professor Vineet Ahuja, Department of Gastroenterology (BIG – 23). CMIE – AIIMS has also supported faculty members with the other schemes like PACE, SIBRI supported by BIRAC.



9.1 Anaesthesiology, Pain Medicine and Critical Care

Professor and Head

Ganga Prasad

Professors

Vimi Rewari
Ravindra Kumar Pandey
Puneet Khanna
(From 1 July 2024)

Vanalal Darlong
Anjolie Chhabra

Jyotsna Punj
Rashmi Ramachandran
Bikash Ranjan Ray
(From 1 July 2024)

Rahul Kumar Anand (From 1 July 2024)
Debesh Bhoi (From 1 July 2024)

Additional Professors

Shailendra Kumar
Rakesh Kumar

Souvik Maitra

Akhil Kant Singh
Nishant Patel

Associate Professors

Anju Gupta
Mritunjay Kumar
Shreya Bharat Shah

Kelika Prakash
Parin Chellani
Abhishek Nagarajappa

Ajisha Aravindan
Sulagna Bhattacharjee
Christopher Dass

Assistant Professors

Priyankar Kumar Datta
Dhruv Jain
Heena Garg
Choro Athiphro Kayina
Sachin Kumar
Sakshi Duggal
Sushmita Bairagi

Sana Yasmin Hussain
Amit Kumar
Nitin Choudhary
Sudhansu Sekhar Nayak
Swati Mehta
Ram Singh
Ajeethviswanathan T
(Resigned on 7 August 2024)
Rupavath Ramkumar
Amit Kumar Malviya

Neha Pangasa
Aditi Suri
Anshul Singh
Subodh Kumar
Neha Garg
Prakash Gyandev Gondode
Sneha Singh

Vanitha Rajagopalan

Surabhi Gupta

HIGHLIGHTS

The expansion of the department, which was started a couple of years back continued this year also. Anaesthesia services were extended in Surgery Block to eight operation theatres from six operation theatre including a dedicated theatre for complex robotic surgeries. Round the clock paediatric emergency services were started in the Mother & Child block in this year. The department also started round the clock haemodialysis facility in the Surgery block ICU, which eliminated the need to shift critically ill patients to the Main Block from there. With the availability of the cutting-edge technology in Pain OPD, a number of complex procedures are being performed there only, which significantly reduced patients' waiting time.

This year, the department organized an international conference on critical care, 'Recent Advances in Critical Care 2024', which was graced by nearly one hundred national and international faculty members and more than two hundred and fifty delegates. The conference hosted six workshops for physicians, one workshops for critical care nursing staff and technicians each, and nearly 80 lectures over two days.

Apart from this, the department organized a number of workshops and symposiums including simulation-based teaching program. The exhaustive teaching program of the department was further strengthened as four faculty members were promoted to the post of professor. The faculty members of the department were involved in several academic programs and community medical services across the country.

EDUCATION

Academic Course/ Degree	Number of students
M.D. Anaesthesiology	92
D.M. Critical Care Medicine	26
Fellowship in Pain Medicine	8
BSc Operation Theatre Technology	43

Educational programs and classes taken

The department runs a robust academic schedule for MD (Anaesthesiology), DM (Critical Care Medicine), Fellowship in Pain Medicine, MBBS & BSc OT Technology students. The usual academic schedule comprises of weekly seminars, case presentations, journal club and tutorials by the faculty members. An orientation academic program was also scheduled for the newly joined junior residents of the department. From this year onwards, a 'grand round' was started for the clinical discussion about the critically ill patients admitted in different ICUs of the département. The faculty members were also regularly involved in teaching program of BSc Nursing and MSc Critical Care Nursing.

In collaboration with the Hospital Infection Control Committee and the Department of Microbiology, a series of orientation program on 'Infection Control' were organized for all health care workers of the department.

A high- fidelity human patient simulation-based clinical scenario management program was already in place for the junior residents. The simulation based teaching program was further strengthened by the incorporation of a number of newly joined faculty members. A number of workshops for developing advanced technical skills such as ultrasound guided regional anaesthesia and vascular access were organized for the residents of the department.

MBBS teaching program of the department was not limited to the classroom lectures by the faculty members but also included clinical teaching in the operating room. Apart from the regular academic schedule, a number of guest lectures and workshops/ symposia were organized for the post-graduate and doctoral residents.

MD Anaesthesiology

- Seminars: 32
- Case presentations: 39
- Journal Club: 19
- Tutorials: 21
- Simulation classes: 51
- MD Thesis Submitted: 33

DM Critical Care Medicine

- Seminars: 31
- Case presentations: 33
- Journal Clubs: 28
- DM Thesis Submitted: 5

Fellowship in Pain Medicine

- Seminars: 23
- Case Presentation: 16
- Journal Club: 11

BSc OT Technology

- 1st year: 60
- 2nd year: 51
- 3rd year: 76

Exclusive in-house Training Programmes and Guest Lectures Held for Resident Doctors of the Department

1. Guest Lecture on "Maximizing Patient Outcomes with Inhaled Anaesthesia: A Focus on Best Practices" on 14 October 2024, by Professor Friedrich K Pühringer, University of Tübingen, Germany.
2. Guest Lecture on Extracorporeal Membrane Oxygenation by Pramod K Guru, Professor of Medicine & ECMO Director, Mayo Clinic, Jacksonville, USA on 25 September 2024.
3. Guest lecture on "AI in Medicine, Developing Intelligence and Insight" by Anirban Bhattacharyya, Assistant Professor of Critical Care Medicine, Mayo Clinic, Jacksonville, USA on 10 March 2025.

CMEs/Workshops/Symposia/National and International Conferences

1. Fluid Therapy in Perioperative & Critical Care:28 April 2024: New Delhi
2. Recent Advances in Critical Care: 24, 25 & 26 August 2024: New Delhi
3. Ultrasound Guided Regional Anaesthesia Workshop:27 September 2024: New Delhi
4. Simulation-Based Workshop on "Needle Navigation Using USG": 26 October 2024: New Delhi
5. Indian Society of Anaesthesiologists (Delhi Branch) Monthly Meet: 29 January 2024: New Delhi
6. Simulation-Based Workshop on "Needle Navigation Using USG": 1 March 2025: New Delhi
7. Paediatric Perioperative Cardiac Arrest: 22 March 2025: New Delhi
8. Perioperative Anaesthesia Care in Spinal Deformity: 29 March 2025: New Delhi

Lectures delivered at CMEs, National and International conferences

Lectures delivered: 392

Ganga Prasad: 3
Ravinder Kumar Pandey: 10
Puneet Khanna: 15
Rahul Kumar Anand: 16
Akhil Kant Singh: 13
Anju Gupta: 6
Parin Lalwani: 5
Shreya Bharat Shah: 4
Priyankar Kumar Datta: 5
Neha Pangasa: 10
Vimi Rewari: 16
Rashmi Ramachandran: 9
Debesh Bhoi: 13
Shailendra Kumar: 3
Nishant Patel: 10
Kelika Prakash: 2
Ajisha Aravindan: 5
Abhishek Nagarajappa: 34
Sana Yasmin Hussain: 9
Amit Kumar: 5
Jyotsna Punj: 13
Anjolie Chabbra: 2
Bikash Ranjan Ray: 75
Souvik Maitra: 18
Rakesh Kumar: 4
Mritunjay Kumar: 10
Sulagna Bhattacharjee: 10
Christopher Dass: 2
Dhruv Jain: 7
Sushmita Bairagi: 2

Neha Garg: 2
Ram Singh: 2
Swati Mehta: 6
Sudhansu Sekhar Nayak: 1
Nitin Choudhary: 7
Sachin Kumar: 4
Aditi Suri: 2
Rupavath Ramkumar: 7
Surabhi Gupta: 5
Choro Athiphro Kayina: 5
Prakash Gondode: 3
Vanitha Rajagopalan: 4
Sneha Singh: 4
Sakshi Duggal: 4

Ganga Prasad

1. Routine and preanaesthesia checkup for ASA patients. Is this time to shift gear? (Panelist of session), 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch- ISACON Delhi, 29 September 2024, New Delhi
2. Bronchoscopy for foreign body in pediatric patients, 1st PG assembly of Research Society of Anesthesiologists Clinical Pharmacology, 10 November 2024, Jaipur
3. Anaesthesia management for meningomyelocele, 1st PG assembly of Research Society of Anesthesiologists Clinical Pharmacology, 10 November 2024, Jaipur

Vimi Rewari

1. Managing Airway on the run, Accessing Critical Care Education Series- The Airway, 14 April 2024, Rishikesh
2. Anaesthesia challenges in Post solid organ transplant: An update in management, 32nd Annual National and 3rd International Conference of Research Society of Anaesthesiology Clinical Pharmacology, RSAPCON 2024, 20 April 2024, Jodhpur
3. Physiology of body fluids & the endothelial glycocalyx, Symposium on Fluid therapy in perioperative & critical Care, 28 April 2024, New Delhi
4. Pregnancy and Trauma, Immediate Trauma life support course (ITLS), 28 July 2024, Chandigarh 5, Tropical fever in critical care, 12th Annual Critical Care Refresher Course, 07 August 2024, Gurgaon
5. Percutaneous tracheostomy, Recent Advances in Critical Care (RACC-2024), 24 August 2024, New Delhi
6. NIV versus HFNC as respiratory support in Hypoxemic Respiratory failure., Recent Advances in Critical Care (RACC-2024), 25 August 2024, New Delhi
7. Fluid resuscitation in critically ill patients, 5th International & 15th National Conference of Indian College of Anaesthesiologists (ICACON), 14 September 2024, Lucknow
8. Experience on DM Critical Care Medicine Program at AIIMS, New Delhi, India, DM in Critical Care Medicine Curriculum Development Workshop, 22 September 2024, Nepal
9. Transfusion during obstetric haemorrhage: When and how? 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch – ISACON Delhi held at Hyatt Centric Janakpuri, New Delhi, 28 September 2024, New Delhi
10. Refractory Hypoxemia and Mechanical Ventilation: Simplifying goals, 2nd Annual Conference of Society of Trauma Anaesthesia and Critical Care, 5 October 2024, Varanasi
11. Point of care ultrasound- Current and evolving role in critical care, Critical Care Update Conference and Workshop, 15 October 2024, Srinagar
12. NIV in respiratory failure, Critical Care Update Conference and Workshop, 16 October 2024, Srinagar
13. Emergency Regional blocks and the critical polytrauma patient: Challenges & Solutions, Workshop on Nerve and Plexus Blocks, 17 November 2024, Chandigarh
14. Management of sepsis and septic shock: an update, 71st Annual Conference of the Indian Society of Anaesthesiologists, ISACON 2024, 21 November 2024, Patna
15. Current Methods of Donor Analgesia Epidural vs Newer methods of Nerve blocks, 7th Annual Conference of the Liver Transplantation Society of Indian (LTSICON 2024), 29 November 2024, Hyderabad
16. Compassion in Health care, Induction course for DNB Residents, 27 February 2025, Chennai (Online)

Jyotsna Punj

1. Ultrasound Truncal Blocks, CME cum workshop on basic ultrasound guided nerve blocks and intravenous access, 27 April 2024, Thimpu, Bhutan
2. Ultrasound truncal blocks, CME cum workshop on basic ultrasound guided nerve blocks and intravenous access, 28 April 2024, Thimpu, Bhutan
3. Ultrasound intravenous access, CME cum workshop on basic ultrasound guided nerve blocks and intravenous access, 29 April 2025, Thimpu, Bhutan
4. Ultrasound truncal blocks, North Zone – ISACON, 20 September 2024, Jammu
5. Ultrasound guided sympathetic blocks- is it the holy grail, North Zone – ISACON, 21 September 2024, Jammu
6. Ultrasound guided sympathetic blocks- is it the holy grail, 17th Asian & Oceanic Society of Regional Anaesthesia and Pain Medicine (17th AOSRA -PM 2024), 28 September 2024, Danang, Vietnam
7. Ultrasound truncal blocks, Annual Pain Sessions, 24 October 2024, Colombo, Sri Lanka
8. Sympathetic blocks in children, Annual Army Medical Conference, 15 February 2025, Colombo, Sri Lanka
9. Ultrasound truncal blocks, Workshop cum CME on ultrasound blocks, 8 March 2025, Srinagar
10. Ultrasound intravenous access, Workshop cum CME on ultrasound blocks, 9 March 2025, Srinagar
11. Emergency management of laparotomy of uncontrolled diabetes patient, North Zone PG Assembly, 23 March 2025, Jammu
12. PAC-latest guidelines, North Zone PG Assembly, 23 March 2025, Jammu

Ravinder Kumar Pandey

1. Ultrasound Guided lower limb blocks for Knee and Hip Arthroplasty, CME cum workshop on basic and Advanced ultrasound guided peripheral nerve blocks, 27 April 2024, Thimpu, Bhutan
2. Ultrasound Guided Thoracic blocks (PECSI &II, SAP, Paravertebral, ESPB, Intercostal Nerve Block, Pecto-Intercostal fascial (PICB) Nerve Block, CME cum workshop on basic ultrasound guided peripheral nerve blocks, 28 April 2024, Thimpu, Bhutan
3. Ultrasound Guided blocks for pathologies involving Lumber disc, Transforaminal nerve entrapment, facet and SI joint pathologies (Interlaminar, Transforaminal, Facet and SI joint, Lumbar and sacral ESP block, TLIP block), CME cum workshop on basic ultrasound guided peripheral nerve blocks, 29 April 2024, Thimpu, Bhutan
4. Ultrasound Guided nerve blocks for lower limb surgeries, North Zone – ISACON at Government Medical College, Jammu, 20 September 2024, Jammu
5. Ultrasound-guided interfascial plane blocks for lumbar disc surgeries, North Zone -ISACON at Government Medical College, Jammu, 20 September 2024, Jammu
6. Ultrasound-guided Lower Extremity Blocks (Femoral N, Obturator N, LFCN, FICB, PENG, Adductor Canal), Annual Pain Sessions of College of Sri Lanka – 2024 Ultrasound Guided Regional Nerve Blocks, 24 October 2024, Colombo, Sri Lanka
7. Ultrasound-guided Lower Extremity Blocks (Genicular nerves, Anterior and Posterior Approach of Sciatic, Ankle block), Annual Pain Sessions of College of Srilanka– 2024 Ultrasound Guided Regional Nerve Blocks, 25 October 2024, Colombo, Sri Lanka
8. Anaesthetic Management for Invitro fertilization" – Current Trends and Safe Anaesthesia Techniques, Sri Lanka College of Military Medicine (SLCOMM) organized by Army Hospital Colombo. Theme- Advancing Military Health Care Excellence, Innovation and Global Impact, 15 February 2025, Colombo, Sri Lanka
9. Ultrasound-guided Basic and Advanced Peripheral nerve Blocks for Hip and Knee Arthroplasty and lower limb surgeries, Workshops cum CME on Ultrasound Guided Peripheral Nerve Blocks, 8 March 2025, Srinagar
10. Ultrasound-guided Basic and Advanced Peripheral nerve Blocks for Hip and Knee Arthroplasty and lower limb surgeries, Workshops cum CME on Ultrasound Guided Peripheral Nerve Blocks, 9 March 2025, Srinagar

Rashmi Ramachandran

1. Peri-operative fluid therapy in pediatrics is it different from adults?, Symposium on Fluid therapy in Perioperative & amp; Critical Care, 28 April 2024, New Delhi
2. Challenges in Debriefing- Moderator, Professional Development Program for Nursing Simulation Practitioners-Training of Trainer's workshop, 10 August 2024, New Delhi
3. Orientation to ACRM, 5th International & 15th National Conference of Indian College of Anaesthesiologists, 13 September 2024, Lucknow
4. Simulation-based assessment in healthcare, Workshop on Assessment methods in Medical Sciences, 21 September 2024, New Delhi
5. Foundations of Qualitative research- Introduction, Workshop on Qualitative research in Medical education- Basic level, 13 November 2024, New Delhi
6. Foundations of Qualitative research- Introduction, Workshop on Qualitative research in Medical education- Basic level, 18 December 2024, New Delhi
7. Overview of Qualitative research in Medical education, Workshop on Qualitative research in Medical education-Advanced level, 4 February 2025, New Delhi
8. Urgent Solution Generation-Moderator for Panel discussion, Brainstorming Workshop on Innovations in Medical Simulations, 15 March 2025, Chennai
9. Refining and Prioritizing Solutions- panelist, Brainstorming Workshop on Innovations in Medical Simulations, 15 March 2025, Chennai

Anjolie Chabbra

1. Safe Anaesthesia for Children, Public Lecture on the Surgical Health of Children, 7 April 2024, New Delhi
2. My Worst Nightmare in the Operating Room- Pediatric Anaesthesia session, 32nd Annual National and 3rd International Conference of the Research Society of Anaesthesiology and Clinical Pharmacology, 19 April 2024, Jodhpur

Puneet Khanna

1. USG lung, Clinical training workshop on perioperative ultrasound, 6 April 2024, Bhatinda
2. FAST, E-FAST and lung POCUS, The Clue Pocus Course-2024, 25 May 2024, Sri Nagar
3. POCUS - lung, ISACON 2024, 18 July 2024, Salem
4. POCUS- Basic of USG, YUVAISACON-2024, 2 August 2024, Dehradun
5. Gastric POCUS, RACC-2024, 25 August 2024, New Delhi
6. POCUS- lung, 20th NZISACON' 24, 21 September 2024, Jammu
7. AI in anesthesia and critical care, 63rd Annual Conferences of Indian Society of Anaesthesiologists, 27 September 2024, New Delhi
8. POCUS, Critical Care Update and Workshop, 15 October 2024, Sri Nagar
9. Moderate MS presenting with labor pains at 38-week POG, ARC North Zone Anaesthesia Review Course, 19 October 2024, Chandigarh
10. Young intensivist, Webinar on Renal Pocus, 3 November 2024, New Delhi
11. Regional Capacity Building in Systematic Reviews in India with our Greatest Appreciation, SARANSH, 18 December 2024, New Delhi
12. FAST, E FAST, Clue Pocus Course-2025, 11 January 2025, Gurugram

13. Diwali, Firecrackers, Winter Stove- Smoke Saga and Acute Airway Burns: When and How to Intubate in Trauma Bay, Airways in Trauma Emergency, 19 January 2025, Chandigarh
14. ECHO, Point of Care Ultrasound in Acute Care (POCUS- 2025), 25 January 2025, Bhubaneswar
15. ENTEROCOCCUS - The Steadily rising challenge, ID Weekend-2024, 15 February 2025, Gurugram

Debesh Bhoi

1. Hip-Joint Denervation, 2nd Annual Conference cum Workshop of ISA City Branch Shimla (ISACON 2024), 25 May 2024, Shimla
2. "PENG" Block, Ultrasound Guided Regional Anaesthesia Training Programme (Indian Diploma Regional Anaesthesia (IDRA) workshop, aegis of Indian College of Anaesthesiologists (ICA), 7 June 2024, Online
3. Cooled RF Ablation of Hip articular branches & review of literature, ISSP -Delhi chapter-Moderation of session, 16 June 2024, Online
4. Honey, I injured the nerve! - A tale of sleepless nights, 14th Annual Conference Academy of Regional Anaesthesia of India (AORA), 24 August 2024, Hyderabad
5. Regional Anaesthesia Ultrasound & PNS Workshop, 14th Annual Conference Academy of Regional Anaesthesia of India (AORA), 24 August 2024, Hyderabad
6. Use of corticosteroids for adult chronic pain interventions: Sympathetic and peripheral nerve blocks, trigger point injections: Recent Guidelines, ISSP -Delhi Chapter-Moderation of session, 6 September 2024, New Delhi
7. Basics of US-guided Regional Anaesthesia Practice Interscalene & Supraclavicular Block, ICACON 2024, 13 September 2024, Lucknow
8. Knee surgery Analgesia: Panel Discussion, YATARTHCON, 13 September 2024, Greater Noida
9. Sacro-Iliac Joint injections, Caudal, Pudendal, Pyriformis -Volunteer Demonstration, North Zone ISACON 2024, 20 September 2024, Jammu
10. Introduction and Basics of US Regional anaesthesia practice, ISACON- Delhi Ultrasound Regional Anaesthesia workshop, 27 September 2024, New Delhi
11. Sympathetically mediated Pain, 2nd STACC- Society of Trauma Anaesthesia & Critical Care, 5 October 2024, Varanasi
12. Neuropathic Pain-Panel discussion, India Pain Update Conference, 23 November 2024, New Delhi
13. Post TKR Knee Pain with Effusion, ISSP, Jabalpur, 9 February 2025, Jabalpur

Bikash Ranjan Ray

1. Lung Ultrasound: Identifying Lung Pathologies, DHR-ICMR Clinical Training Workshop in Perioperative Ultrasound, 6 April 2014, Bhatinda
2. Point of care Echocardiography, COMPENDIUM 2024, 12 April 2024, Gun Mangalgiri
3. Mock exam DM CCM - ARDS, COMPENDIUM 2024, 12 April 2024, Gun Mangalgiri
4. Lung Ultrasound, RACPCON-2023, 21 April 2024, Jodhpur
5. Assessing Fluid Responsiveness, Fluid Therapy in Perioperative & Critical Care, 28 April 2024, New Delhi
6. Panel Discussion: Perioperative Fluid Therapy, Fluid Therapy in Perioperative & Critical Care, 28 April 2024, New Delhi
7. Deep vein thrombosis, POCUS Ultrasound Course, 19 May 2024, Agra
8. US for venous access, POCUS Ultrasound Course, 19 May 2024, Agra
9. Lung & Diaphragm Ultrasound, CLUE POCUS, 25 May 2024, Srinagar
10. Basic Cardiac Ultrasound, CLUE POCUS, 25 May 2024, Srinagar

11. Integrated POCUS, CLUE POCUS, 25 May 2024, Srinagar
12. Moderator: ARDS Case Presentation, Younge India Intensivist Forum, 26 May 2024, Online
13. US for Hemodynamic, UEBA-2024, 1 June 2024, New Delhi
14. RV function assessment, Meridian Criticon 2024, 2 June 2024, Chennai
15. POCUS pearls debate, Meridian Criticon 2024, 2 June 2024, Chennai
16. ECMO Evolving Therapy, EUROASIA-2024, 20 June 2024, Bengaluru
17. Legal and Ethical Issues in Critical care Nurshing, Critical Care Nurshing Update 2024, 11 July 2024, Delhi
18. Resuscitation of Chest Trauma Patient, Vayu CCM 2024, 13 July 2024, Kolkata
19. Carrier in Intensive Care- Panel Discussion, Vayu CCM 2024, 13 July 2024, Kolkata
20. Integration of POCUS knowledge, HELP 2024, 20 July 2024, Nagpur
21. Lower limb Blocks, YUVA ISACON 2024, 2 August 2024, Dehradun
22. Moderator: Journal Presentation, Young India Intensivist Forum, 4 August 2024, Online
23. Cardiac Arrhythmias in ICU, Medanta Refresher Course, 8 August 2024, Gurgaon
24. Lung Ultrasound, Recent Advances in Critical Care {RACC-2024}, 24 August 2024, Delhi
25. Ultrasound-guided PCT, Recent Advances in Critical Care (RACC-2024), 24 August 2024, Delhi
26. VIDD: Prevention & Management, Recent Advances in Critical Care (RACC-2024), 25 August 2024, Delhi
27. FATE 1: Basic Echo, YATAHARTHCON, 13 September 2024, Greater Noida
28. FATE 2: Advanced ECHO, YATAHARTHCON, 13 September 2024, Greater Noida
29. HIT: How common?, 4th World Conference/Workshop on Comprehensive Critical Care (W4C), 21 September 2024, Bhubaneswar
30. Moderator: Journal Review, Global Intensive Care Symposium (GICS Journal Review), 26 September 2024, Online
31. POCUS: Heart in Focus, KMCH ICU Update, 29 September 2024, Coimbatore
32. Ultrasound for Vascular Access, Critical Care Update, 15 October 2024, Srinagar
33. Lung & Diaphragm Ultrasound, Critical Care Update, 15 October 2024, Srinagar
34. Integrated POCUS knowledge for diagnosis, Critical Care Update, 15 October 2024, Srinagar
35. RV Function, Global Intensive Care Symposium (GICS -24), 17 October 2024, Bengaluru
36. Hepato Renal Syndrome, Global Intensive Care Symposium (GICS-24), 19 October 2024, Bengaluru
37. Moderator: Journal Presentation, Young India Intensivist Forum, 4 August 2024, Online
38. Moderator, Fluids Around the Globe, 27 August 2024, Online
39. Moderator, FICCS- Succex-T, 12 November 2024, Online
40. IVC Assessment & RUSH Protocol, 8th SRM Pulmocrit, POCUS Workshop, 14 November 2024, Bareli
41. ONSD, 8th SRM Pulmocrit, POCUS Workshop, 14 November 2024, Bareli
42. Sodabicarb in ICU, 8th SRM Pulmocrit Conference, 17 November 2024, Jim Corbet National Park
43. Airway Ultrasound, ISACON-24 Masterclass POCUS, 23 November 2024, Patna
44. Basic Echocardiography, ISACON-24 Masterclass POCUS, 23 November 2024, Patna
45. FAST, ISACON-24 Masterclass POCUS, 23 November 2024, Patna
46. Airway Ultrasound, POCUS Workshop Daily Rounds, 30 November 2024, Bengaluru
47. Ultrasound for Vascular Access, POCUS Workshop Daily Rounds, 30 November 2024, Bengaluru
48. Ultrasound for Nerve Block, POCUS Workshop Daily Rounds, 30 November 2024, Bengaluru

49. Evaluation of RV Function, Cardiac Lung Ultrasound Echo (CLUE), 13 December 2024, Delhi
50. Moderator: Journal Presentation, Young India Intensivist Forum, 15 December 2024, Online
51. VEXUS, Cardiac Lung Ultrasound Echo (CLUE) POCUS, 12 January 2025, Gurgaon
52. DVT, Cardiac Lung Ultrasound Echo (CLUE) POCUS, 12 January 2025, Gurgaon
53. Ultrasound Physics & Principles, CME on POCUS, 19 January 2025, Goa
54. Airway Ultrasound, CME on POCUS, 19 January 2025, Goa
55. Lung Ultrasound & BLUE protocol, CME on POCUS, 19 January 2025, Goa
56. FAST & E-FAST, CME on POCUS, 19 January 2025, Goa
57. Ultrasound for Vascular Access, CME on POCUS, 19 January 2025, Goa
58. Podcast: Advances in Critical Care, Younge India Intensivist Forum, 22 January 2025, Online
59. Ultrasound Physics, Ultrasound in Acute Care, 25 January 2025, Bhubaneswar
60. Evaluation of Diaphragm by US, Ultrasound in Acute Care, 25 January 2025, Bhubaneswar
61. Basic Echocardiography, Ultrasound in Acute Care, 25 January 2025, Bhubaneswar
62. VEXUS, Ultrasound in Acute Care, 25 January 2025, Bhubaneswar
63. LV Function, Evidence-based practices in Critical Care (EPIC) 2025, 31 January 2025, Raipur
64. Pharmacotherapy in ARDS, Evidence-based practices in Critical Care (EPIC) 2025, 1 February 2025, Raipur
65. Panel discussion on Weaning from Mechanical Ventilation, Evidence-based practices in Critical Care (EPIC) 2025, 1 February 2025, Raipur
66. Superbug infection in INDIA, Evidence-based practices in Critical Care (EPIC) 2025, 1 February 2025, Raipur
67. ECHO: Basic views & LV Function, TRACE-ICU POCUS 2025, 16 February 2025, Guwahati
68. Moderator: CCB / Beta Blocker Poisoning, Yashoda Hospital Webinar, 4 March 2025, Online
69. Choking, AHA BLS Course, 4 March 2025, New Delhi
70. Post Cardiac Arrest Care, AHA ACLS Course, 5 March 2025, New Delhi
71. RRT during ECMO, Criticare -2025, 6 March 2025, Kochi
72. Moderator: PG Corner, Criticare -2025, 7 March 2025, Kochi
73. Panel discussion on Oxygen Prescription, Criticare -2025, 8 March 2025, Kochi
74. Opportunity in Critical Care, Criticare -2025, 8 March 2025, Kochi
75. Basic Life Support, AIIMS Certified red team professional (CRTP) Course, 10 March 2025, New Delhi

Rahul Kumar Anand

1. Lung Ultrasound, Point of care USG Course, 19 May 2024, Agra
2. Lung Mechanics in ventilated patient, Master class in mechanical ventilation, 26 May 2024, Ghaziabad
3. Hemodynamics with Echocardiography, RACC, 24 August 2024, AIIMS, New Delhi
4. Panel Discussion: Pregnancy with H1N1 in ARDS, RACC, 25 August 2024, AIIMS, New Delhi
5. Panel Discussion: Sepsis with mixed kind of shock, RACC, 26 August 2024, AIIMS, New Delhi
6. Immunotherapy in Sepsis: Early, Late or never., 19th Delhi Critical Care Society Symposium, 9 November 2024, New Delhi
7. USG guided procedures in critical care, 19th Delhi Critical Care Society Symposium, 9 November 2024, New Delhi
8. Chairperson: Pocus training, CZICON 2024, 26 November 2024, New Delhi

9. Lung Ultrasound and BLUE protocol, CLUE Hemodynamics Course, 13 December 2024, New Delhi
10. Hands-on training: Lung Ultrasound, CLUE Hemodynamics Course, 13 December 2024, New Delhi
11. Hands-on training: ECHO image acquisition, CLUE Hemodynamics Course, 13 December 2024, New Delhi
12. Hands-on training: LV and RV functions of heart, CLUE Hemodynamics Course, 13 December 2024, New Delhi
13. Hands-on training: Ultrasound assessment of patient with shock, CLUE Hemodynamics Course, 13 December 2024, New Delhi
14. Assessment of right ventricular failure, POCUS Paras, 12 January 2025, Gurugram
15. Assessment of fluid responsiveness and shock, POCUS Paras, 12 January 2025, Gurugram
16. Basic Modes of Mechanical Ventilation, 334d ISACON 2025, 7 February 2025, Assam

Shailendra Kumar

1. Cardiac Compression, BCLS and CCLS Workshop, 29 June 2024, New Delhi
2. PCT, Cadaveric Airway Workshop, 1 September 2024, Moradabad
3. Airway, Breathing and Cardiac Compression, BCLS WORKSHOP, 24 September 2024, New Delhi

Souvik Maitra

1. Physical Examination in Critical Care, Critical Care PG Assembly, 12 April 2024, Guntur
2. Basics of Research Methodology, Critical Care PG Assembly, 13 April 2024, Guntur
3. Hyponatremia, Fluid Therapy in Perioperative & Critical Care, 28 April 2024, New Delhi
4. APRV: When & how? Recent Advances in Critical Care, 26 August 2024, New Delhi
5. Funding Landscape for Research in Anaesthesiology, Delhi State ISACON, 28 September 2024, New Delhi
6. DVT Scanning in ICU, Perioperative Echocardiography & POCUS, 6 October 2024, Chandigarh
7. Translational Research Priorities in Sepsis, AIIMS- IICB Joint Meeting, 20 October 2024, Kolkata
8. Perioperative Fluid Therapy, Fluids around the Globe, 27 October 2024, Gurugram/ Online
9. How to Search Medical Literature, Medanta Anaesthesia & Critical Care Conclave, 9 November 2024, Gurugram
10. How Do I Interpret Clinical Trial? Workshop on Research Methodology, 8 December 2024, New Delhi
11. Navigating Study Design, Workshop on Research Methodology & Data Analysis, 21 December 2024, New Delhi
12. Regression & Survival Analysis, Workshop on Research Methodology & Data Analysis, 21 December 2024, New Delhi
13. Invasive Cardiac Output Measurement, EPIC 2025, 31 January 2025, Raipur
14. Assessment of Fluid Responsiveness, EPIC 2025, 31 January 2025, Raipur
15. Acute Exacerbation of ILD in ICU, EPIC 2025, 1 February 2025, Raipur
16. NIV & HFNC, Assam ISACON 2025, 7 February 2025, Nagaon
17. Mechanical Ventilation in bronchial asthma and COPD, Assam ISACON 2025, 7 February 2025, Nagaon
18. Authorship Criteria in Medical Literature, Criticare 2025, 25 March 2025, Kochi

Akhil Kant Singh

1. Decoding Spine pain, SOARCON 2024 – Annual Conference of the Society of Osteoarthritis Research, 14 July 2024, Ahmedabad, Gujarat

2. Anaesthesia for patients with renal disease and urological surgery, Final Intensive Course for Anaesthesia – University Putra Malaysia, 20 January 2025, Kuala Lumpur, Malaysia
3. Anaesthesia for patients with neuromuscular disease and rheumatoid disease, Final Intensive Course for Anaesthesia – University Putra Malaysia, 20 January 2025, Kuala Lumpur, Malaysia
4. Anaesthesia for thoracic surgery, Final Intensive Course for Anaesthesia– University Putra Malaysia, 20 January 2025, Kuala Lumpur, Malaysia
5. Difficult airway management, Final Intensive Course for Anaesthesia– University Putra Malaysia, 20 January 2025, Kuala Lumpur, Malaysia
6. Anaesthesia for obese patients and OSA, Final Intensive Course for Anaesthesia – University Putra Malaysia, 20 January 2025, Kuala Lumpur, Malaysia
7. Anaesthesia for patients with liver disease and HPB surgery, Final Intensive Course for Anaesthesia – University Putra Malaysia, 21 January 2025, Kuala Lumpur, Malaysia
8. Anaesthesia for endocrine surgery, Final Intensive Course for Anaesthesia – University Putra Malaysia, 21 January 2025, Kuala Lumpur, Malaysia
9. Preoperative CVS assessment and risk stratification, Final Intensive Course for Anaesthesia – University Putra Malaysia, 21 January 2025, Kuala Lumpur, Malaysia
10. Cardiac patients for non-cardiac surgery, Final Intensive Course for Anaesthesia – University Putra Malaysia, 21 January 2025, Kuala Lumpur, Malaysia
11. Patient blood management, Final Intensive Course for Anaesthesia – University Putra Malaysia, 21 January 2025, Kuala Lumpur, Malaysia
12. Electrical safety in anaesthesia, Final Intensive Course for Anaesthesia – University Putra Malaysia, 21 January 2025, Kuala Lumpur, Malaysia
13. Team dynamics and High-performance teams, Paediatric Perioperative Cardiac Arrest, 22 March 2025, New Delhi

Nishant Patel

1. Rescuer Adult BLS Relief of choking, AHA accredited BLS and ACLS course, 24 April 2024, New Delhi
2. Collides in critical care and perioperative period, Symposium fluid therapy in perioperative and critical care, 28 April 2024, Delhi
3. Description of flexible bronchoscope, Bronchoscopy, TCD, Pupillometry workshop Recent Advances in Critical Care" (RACC-2024), 24 August 2024, New Delhi
4. CPR evolving concepts, Recent Advances in Critical Care" {RACC-2024}, 25 August 2024, New Delhi
5. TAP & Rectus sheath block, ICACON 2024, 13 September 2024, Lucknow
6. AED & Defibrillator demo Cardio Pulmonary Resuscitation (CPR) Training of trainer, 25 September 2024, New Delhi
7. Cardiac arrest rhythm Cardio Pulmonary Resuscitation (CPR) Training of trainer, 25 September 2024, New Delhi
8. Paediatric & infant guidelines, Cardio Pulmonary Resuscitation (CPR) Training of trainer, 25 September 2024, New Delhi
9. Two Rescuer adult BLS Special considerations Child and Infant BLS, AHA accredited BLS and ACLS course, 4 March 2025, New Delhi
10. Newer Monitoring modality in scoliosis surgery anaesthesia, Peri Operative Anaesthesia Care in Spinal Deformity, 29 March 2025, New Delhi

Rakesh Kumar

1. Respiratory failure in pregnancy, Recent Advances in Critical Care (RACC-2024), 24 August 2024, Delhi
2. Acute Respiratory failure in pregnancy, CRITICON-2024, 27 September 2024, Lucknow

3. Intraoperative ventilation strategies in paediatric patients, ISACON Delhi 2024, 29 September 2024, New Delhi
4. Advanced mode of Mechanical ventilation, ISACON 2024 workshop hands-on, 20 November 2024, Patna

Anju Gupta

1. Best 5 papers in regional anaesthesia, Academy of Regional Anaesthesia (AORA) 2024, 24 August 2024, Hyderabad
2. Paediatric patients in NORA, ICACON (Indian College of Anaesthesiology), 15 September 2024, Lucknow
3. Recent advances in NORA in infants, ISACON Delhi 2024, 28 September 2024, New Delhi
4. Moderated panel on ERAS, ISACON 2024, 23 November 2024, Patna
5. Recent trends in interfascial plane blocks, Indian Association of Paediatric Anaesthesiologists (IAPACON), 15 February 2025, Pune
6. Lecture on neonatal sepsis- what anaesthesiologist needs to know, Research Society of Anaesthesiology and Clinical Pharmacology (RSACPCON), 29 March 2025, Bhatinda

Kelika Prakash

1. Gastric USG - master demonstration, Recent Advances in Critical Care, 24 August 2024, New Delhi
2. Individualized Nutrition Therapy in the ICU, Recent Advances in Critical Care, 25 August 2024, New Delhi

Mritunjay Kumar

1. Risk assessment tools in the perioperative period, 32nd Annual and 3rd International Conference of Research Society of Anaesthesiology and Clinical Pharmacology (RSACPCON 24), 19 April 2024, Jodhpur
2. Comprehensive literature search strategies, 32nd Annual and 3rd International Conference of Research Society of Anaesthesiology and Clinical Pharmacology (RSACPCON 24), faculty in the workshop on 'Literature search and test of significance', 21 April 2024, Jodhpur
3. Airway Ultrasound, 25th Annual Conference of Rajasthan Society of Anaesthesiologists, RAJISACON 24, 13 September 2024, Jodhpur
4. SOPS for high-risk/ preterm neonates with ROP, 4th National Conference of Association of Indian Ophthalmic Anaesthesiologists, 20 September 2024, Chandigarh
5. Gastric POCUS, 15th National Airway Conference 2024, 22 September 2024, Mangalgiri
6. Airway management in neurosurgery, 15th National Airway Conference 2024, 22 September 2024, Mangalagiri
7. Fluid responsiveness: latest evidence, Basic Adult & II Pediatric Transthoracic Echocardiography with POCUS Workshop, 6 October 2024, Chandigarh
8. Inferior Vena Cava assessment, 71st Annual Conference of Indian Society of Anaesthesiologists, ISACON 2024, 23 November 2024, Patna
9. Recognition and Management of arrhythmias with pulse, Paediatric Perioperative Cardiac Arrest (P-POCA), 22 March 2025, New Delhi
10. From OR to disaster zone', RSACPCON 25, 33rd National & 4th International Conference of Research Society of Anaesthesiology Clinical Pharmacology, 28 March 2025, Bhatinda

Parin Lalwani

1. USG Guided Suprascapular and Axillary Nerve Block, Pure Hyderabad, 13 April 2024, Hyderabad
2. e FAST, South zone ISACON, 18 July 2024, Salem

3. Opioid Free anaesthesia (Procon), 5th International and 15th National Conference ICACON, 12 September 2024, Lucknow
4. Resident working hours must be fixed (Pro con), 71st Annual National Conference ISACON 2024 Patna, 22 November 2024, Patna
5. From Scratch to Success: Piecing together logistics for acute pain services (Panel discussion), Research Society of Anaesthesiology Clinical Pharmacology (RSACPCON) 2025, 28 March 2025, Bhatinda

Ajisha Aravindan

1. Pheochromocytoma - perioperative preparation and management, CME on Endocrine Surgery, 06 April 2025, Delhi
2. Panel discussion, Fluid therapy in perioperative & critical Care, 28 April 2025, Delhi
3. IV fluids and their uses, Critical Care Refresher Course (CCRS) 2024, 18 August 2024, Nagaon
4. Mechanical ventilation inside OT, ISACON Assam, 7 February 2025, Nagaon
5. Overview of paediatric resuscitation, Paediatric perioperative cardiac arrest (P-POCA), 22 March 2025, Delhi

Sulagna Bhattacharjee

1. Basics of hemodynamic monitoring- Arterial line, Online 10 bed ICU project, eGovernment Foundation, for the government of Nagaland & Manipur, 23 April 2024, Online
2. Introduction to use of mechanical circulatory devices in shock, EUROASIA 2024, 20 June 2024, Bengaluru
3. Blue Rhino technique, Recent advances in Critical Care, 24 August 2024, New Delhi
4. Endothelium in sepsis: clinical application, Recent advances in Critical Care, 25 August 2024, New Delhi
5. Anatomical & physiological changes in pregnancy: an intensivist's perspective, Criticon Lucknow 2024, 27 September 2024, Lucknow
6. Management of coagulopathy in critically ill obstetric patient, Criticon Lucknow 2024, 28 September 2024, Lucknow
7. Moderator in the session Emergency session Emergency Care, FICCS Succex-T, 14 November 2024, Online
8. Advanced modes of mechanical ventilation, 33rd ISACON Assam 2025, 7 February 2025, Nagaon
9. Stress ulcer prophylaxis: practice-changing papers, Criticare 2025, 8 March 2025, Kochi
10. Recording of ICU vitals, Young India Intensivist, 22 March 2025, Online

Shreya Bharat Shah

1. Penile block, Ultrasound Guided Regional Anaesthesia Training Programme under the aegis of the Indian College of Anaesthesiologists, 21 May 2024, New Delhi
2. Resuscitation In Neonates and Newer Guidelines, Perioperative Neonatal Resuscitation (PoNR), 20 July 2024, New Delhi
3. Recognition and management of cardiac arrest, Paediatric Perioperative Cardiac Arrest, 22 March 2025, New Delhi
4. TIVA in Scoliosis, 4th AIIMS International Spine Deformity Course Perioperative Anaesthesia Care in Spinal Deformity, 29 March 2025, New Delhi

Abhishek Nagarajappa

1. Crisis resource management principles, 32nd Annual National and 3rd International Conference of Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2024, 21 April 2024, Jodhpur

2. Adult learning principles and simulation based learning : Introduction, Faculty Development Program in Simulation Based Teaching, Wardha, 8 June 2024, Wardha
3. Framing learning objectives: Table top activity, Faculty Development Program in Simulation Based Teaching, Wardha, 8 June 2024, Wardha
4. Softwares in Simulation, Faculty Development Program in Simulation Based Teaching, Wardha, 9 June 2024, Wardha
5. Within event debriefing: RCDP, Pause debrief, Faculty Development Program in Simulation Based Teaching, Wardha, 9 June 2024, Wardha
6. Online Teaching: Do's, Don't's and innovations, Basic Course Workshop in Medical Health Professions' Education, CMET, AIIMS, 30 August 2024, New Delhi
7. Simulation for Assessment in Medical Education, "Assessment methods in Medical Sciences", 20 September 2024, New Delhi
8. Introduction to digital assessment tools: Kahoot, Moodle, Active Learning through feedback and collaborative tools Medical education conclave: AIIMS-University of Copenhagen collaboration, 1 October 2024, New Delhi
9. Hands on Practice: Kahoot, Active Learning through feedback and collaborative tools Medical education conclave: AIIMS-University of Copenhagen collaboration, 1 October 2024, New Delhi
10. Emerging tools in AI and Education, AI in Healthcare Education Medical education conclave: AIIMS-University of Copenhagen collaboration, 4 October 2024, New Delhi
11. HANDS-ON Activities on Creating PowerPoint presentations using Large Language Models (LLMs), AI in Healthcare Education Medical education conclave: AIIMS-University of Copenhagen collaboration, 4 October 2024, New Delhi
12. AI and Student Learning: Open floor discussion, AI in Healthcare Education Medical education conclave: AIIMS-University of Copenhagen collaboration, 4 October 2024, New Delhi
13. Understanding AI in Detection and Cheating, AI in Healthcare Education Medical education conclave: AIIMS-University of Copenhagen collaboration, 4 October 2024, New Delhi
14. Ethics and Academic Integrity in the Age of AI, AI in Healthcare Education Medical education conclave: AIIMS-University of Copenhagen collaboration, 4 October 2024, New Delhi
15. Designing Pamphlet and Poster, For MSc (Nursing): Nursing College, AIIMS Delhi, 25 October 2024, New Delhi
16. Creativity, For MSc (Nursing): Nursing college, AIIMS Delhi, 8 November 2024, New Delhi
17. Anaesthesia machine, RSACP PG Assembly, 10 November 2024, Jaipur
18. Introduction to Qualitative research, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 13 November 2024, New Delhi
19. Data collection, Sampling strategies, Sample Size, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 13 November 2024, New Delhi
20. Features of Moodle Quiz on SARAL Platform, "Designing and uploading quizzes on SARAL" SET facility AIIMS, 11 December 2024, New Delhi
21. Creating Quiz on Moodle/SARAL, "Designing and uploading quizzes on SARAL" SET facility AIIMS, 11 December 2024, New Delhi
22. Analyzing Quiz Results and Reporting, "Designing and uploading quizzes on SARAL" SET facility AIIMS, 11 December 2024, New Delhi
23. Introduction to Qualitative research, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 18 December 2024, New Delhi
24. Qualitative research: Application in Medical education, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 18 December 2024, New Delhi
25. Free-listing and pile sorting, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 18 December 2024, New Delhi

26. Software for Video and Audio transcription: Demonstration, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 18 December 2024, New Delhi
27. n-depth interview, Workshop on Qualitative Research in Medical Education, SET Facility AIIMS, 19 December 2024, New Delhi
28. Getting started with Qualitative Research Software (NVivo), Qualitative Research in Medical Education, SET facility: Advanced level- Analysis and reporting, 4 February 2025, New Delhi
29. Practical Coding and Data Analysis with NVivo: Hands-on session, Qualitative Research in Medical Education, SET facility: Advanced level- Analysis and reporting, 5 February 2025, New Delhi
30. Adult Learning Principles, Simulation workshop 33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP), Bhatinda, 28 March 2025, Bhatinda
31. Simulation based learning: Introduction, Simulation workshop 33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP), Bhatinda, 28 March 2025, Bhatinda
32. Framing learning objectives: Tabletop activity, Simulation workshop 33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP), Bhatinda, 29 March 2025, Bhatinda
33. Software in Simulation, Simulation workshop 33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP), Bhatinda, 29 March 2025, Bhatinda
34. Within event debriefing: RCDP, Pause debrief, Simulation workshop 33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP), Bhatinda, 29 March 2025, Bhatinda

Christopher Dass

1. Cooled Radiofrequency ablation of Genicular nerves and role of radiofrequency ablation in Trigeminal Neuralgia, ISACON Shimla 2024, 25 May 2024, Shimla
2. Advanced Cardiac Life Support- Cardiac arrhythmias algorithms, Recent Advances in Critical Care 2024, 23 August 2024, New Delhi

Priyankar Kumar Datta

1. Nutrition in ICU, Critical Care Refresher Course (CCRS) 2024, 18 August 2024, Nagaon
2. Electrolyte derangement in ICU, Critical Care Refresher Course (CCRS) 2024, 18 August 2024, Nagaon
3. Bedside tracheostomy: Complications & Troubleshooting, Recent Advances in Critical Care (RACC) -2024, 24 August 2024, New Delhi
4. Application of Stewart approach in Critical Care, Recent Advances in Critical Care (RACC) -2024, 26 August 2024, New Delhi
5. Mechanical ventilation inside OT, ISACON ASSAM, 7 February 2025, Nagaon

Sana Yasmin Hussain

1. First Aid, First Aid and CPR course, 9 May 2024, Anini
2. Basic and Comprehensive Life support, IRCF BCLS and CCLS workshop, AIIMS, 29 June 2024, Delhi
3. Automated External Defibrillator and workshop, IRCF BCLS course, HIMSR, 14 August 2024, Delhi
4. Post Herpetic Neuralgia, Indian Society of Pain Clinicians (ISPCCON) 2024, 13 September 2024, Rishikesh
5. Basic Cardiopulmonary Life Support, BCLS Course at ESIC Dental College, Rohini, 24 September 2024, New Delhi
6. Epidural Test dose- What is new in obstetric anaesthesia?, ISACON Delhi 2024, 28 September 2024, New Delhi
7. Ultrasound guide blocks in chronic pain' workshop- Head and Neck blocks, 2nd Annual International Conference of Society of Trauma Anaesthesia and Critical Care, 4 October 2024, Varanasi

8. ROSC and post resuscitation care, comprehensive cardiopulmonary life support (CCLS) course, 17 November 2024, Aligarh
9. Panelist on 'Approach to low back pain', CME on 'The Low Backache Conundrum', 1 March 2025, Noida

Dhruv Jain

1. ECG interpretation and rhythm identification, IRCF BCLS and CCLS workshop, 30 June 2024, New Delhi
2. Intradiscal regenerative therapy, Indian Society of Pain Clinicians (ISPCCON) 2024, 13 September 2024, Rishikesh
3. Basic Cardiopulmonary Life Support, BCLS Course at ESIC Dental College, Rohini, 24 September 2024, New Delhi
4. Management of PDPH, ISACON Delhi 2024, 28 September 2024, New Delhi
5. Intradiscal Regenerative therapy and Workshop on chronic pain, Nepal Association for the Study of Pain (NASP) Conference, 18 January 2025, Kathmandu, Nepal
6. Advances in TFESI, CME on 'The Low Backache Conundrum', 1 March 2025, Noida
7. Master demo for Radiofrequency target, Radiofrequency in Chronic Pain, 2 March 2025, Manglagiri

Neha Pangasa

1. Genitofemoral N block, Ultrasound Guided Regional Anaesthesia Training Programme under the aegis of the Indian College of Anaesthesiologists, 21 May 2024, New Delhi
2. Pudendal N block, Ultrasound Guided Regional Anaesthesia Training Programme under the aegis of the Indian College of Anaesthesiologists, 24 May 2024, New Delhi
3. Basic Life Support guidelines, RACC 2024-Recent Advances in Critical Care conference-workshop for OT Technicians, 23 August 2024, New Delhi
4. How to execute interpectoral and pecto-serratus plane block, 5th International and 15th National conference of Indian College of Anaesthesiologists(ICACON)-2024, 13 September 2024, Lucknow
5. Uterotonic agents-update and review, 5th International and 15th National Conference of Indian College of Anaesthesiologists (ICACON)-2024, 14 September 2024, Lucknow
6. Segmental spinal anesthesia, 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch (ISACON Delhi 2024), 28 September 2024, New Delhi
7. Upper limb and lower limb blocks, 5th MAMC Anaesthesia update, 17 October 2024, New Delhi
8. Anaesthetic management of a patient with Preeclampsia and placenta praevia for caesarean delivery, ARC-TMC Punjab Anaesthesia Review Course, 19 October 2024, Chandigarh
9. Neuromodulation in neuropathic pain, NASPCON-Nepal Association of study of pain National conference, 18 January 2025, Kathmandu, Nepal
10. Anesthetic management of a child with burns, IAPA2025-National Conference of Indian Association of Pediatric Anesthesia 2025, 16 February 2025, Pune

Amit Kumar

1. Acute Coronary Syndromes, BLS AND ACLS, 24 April 2025, New Delhi
2. Chest compression, BCLS, 24 September 2025, New Delhi
3. Acute Coronary Syndromes, CCLS course, 10 November 2024, New Delhi

4. Airway simulation, TMC-DAC 2024, 07 December 2024, Mumbai
5. Fluid management in scoliosis surgery, Peri-operative Anaesthesia Care in Spinal Deformity, 29 March 2025, New Delhi

Sushmita Bairagi

1. Preparation for haemodynamic monitoring, Recent advances in critical care (RACC), 23 August 2024, New Delhi
2. Airway management in interventional pulmonology, NAC (National Airway Conference -2024), 22 September 2024, Mangalgiri

Neha Garg

1. Simulation scenario on Ophthalmic emergency, Conference of All India Ophthalmic Association, 16 September 2024, Chandigarh
2. Procedures in scoliosis and how it is different from other cases, 4th AIIMS International Spine Deformity Course, 29 March 2025, Delhi

Sachin Kumar

1. Regional Anatomy Pertinent to lower limb, Indian College of Anaesthesiologists Conference (ICACON), 13 September 2024, Lucknow
2. Regional Anesthesia Tips & Tricks – Difficult Neuraxial Blockade, Indian college of anaesthesiologists conference (ICACON), 14 September 2024, Lucknow
3. Fascial Plane Blocks in Chronic Pain, Nepal Association for the Study of Pain (NASP) Conference, 18 January 2025, Kathmandu, Nepal
4. Regional Anesthesia in Scoliosis, 4th AIIMS International Spine Deformity course, 29 March 2025, New Delhi

Prakash Gondode

1. Practical applications of Artificial Intelligence and Machine learning in Anaesthesiology: Current trends, 63rd Annual Conference of Indian Society of Anaesthesiologists, Delhi Branch. “ISACON Delhi 2024” [PANELIST on a Panel discussion], 28 September 2024, New Delhi
2. Basics of Lung Ultrasound in Trauma & Emergency, Point of Care Ultrasound for Acute Care in Trauma and Emergency 2025 “PACTEM 2025” [Workshop resource faculty], 8 February 2025, Bhopal
3. Ultrasound-guided Sciatic and popliteal nerve block: How to do it on a task manager, Precision in Practice: Needle Navigation Using Ultrasound. [Workshop resource faculty], 1 March 2025, New Delhi

Ram Singh

1. Prevention of respiratory tract infections in ICU Ventilator-associated pneumonia (VAP-bundle), Recent Advances in Critical Care” (RACC-2024), 23 August 2024, New Delhi
2. USG Guided Central Venous Cannulation, Point of Care Ultrasound for Acute Care in Trauma and Emergency 2025 (PACTEM 2025), 8 February 2025, Bhopal

Aditi Suri

1. Simulation in anaesthesia, Indian College of Anaesthesiologists Conference (ICACON), 13 September 2024, Lucknow
2. Digitalisation of medical records, Indian Society of Anaesthesiologists Conference (ISACON), Delhi, 28 September 2024, New Delhi

Vanitha Rajagopalan

1. Overview of Antibiotics, Recent Advances in Critical Care (RACC 2024), 23 August 2024, New Delhi
2. How best to monitor the uninjured brain Neuromonitoring What? Why? How? To identify and prevent cerebral complications, 5th Annual Conference of the Neurocritical Care Society of India (NCSI) 2024, 30 August 2024, Chennai
3. Artificial Intelligence in Pain Management, CME on Artificial Intelligence in Medicine under the aegis of Dwarka Physician Forum & Knolead Academy, 22 September 2024, Delhi
4. Transcranial Doppler in ICU Practice, 71st Annual Conference of Indian Society of Anesthesiologists as part of POCUS, 20 November 2024, Patna

Swati Mehta

1. Anatomy and Physiology of Pediatric Airway, Pediatric Airway Seed Workshop, 27 April 2024, Jodhpur
2. Walking through the airway: USG and CT guided tour, 7th International Airway Congress of AMF, 14 September 2024, Delhi
3. Oculocardiac Reflex- Causes, prevention & management, 4th National Conference of Association of Indian Ophthalmic Anaesthesiologists, 21 September 2024, Chandigarh
4. Ultrasound of the airway and lung, Postgraduate Assembly, 5 October 2024, New Delhi (online)
5. Duchenne's muscular dystrophy for laparoscopic appendicectomy-clinical dilemmas, Indian Association of Paediatric Anaesthesiologists conference, 15 February 2025, Pune
6. BLS for neonate, Infant and Child, Paediatric Perioperative Cardiac Arrest, 22 March 2025, Delhi

Rupavath Ramkumar

1. Burn pain management, Course Faculty for the Advanced Emergency Burn Management Course at AIIMS, New Delhi, 22 August 2024, New Delhi
2. Burn pain management. This course is a part of National Programme for Prevention and Management of Trauma and Burn Injuries(Under MOHFW) at Burn and Plastic Surgery block, AIIMS New Delhi., 22 August 2024, New Delhi
3. Airway management in Inhalational burns, Tracheostomy care, Ventilator and oxygen therapy, Course Faculty for the Advanced Emergency Burn Management Course at AIIMS, New Delhi, 5 September 2024, New Delhi
4. Pain and crisis Management during dressing dislodgement of ET tubes, patient collapse, vasovagal attack, pain, uncooperative patients, Course Faculty for the Advanced Emergency Burn Management Course at AIIMS, New Delhi., 8 November 2024, New Delhi
5. Airway management in inhalational injury, oxygen therapy, Course Faculty for the Advanced Emergency Burn Management Course at AIIMS, New Delhi, 14 November 2024, New Delhi
6. Surgical cricothyroidotomy, TMC – DAC 2024, 6 December 2024, Mumbai
7. Weaning in Guillain-Barré syndrome, ISNACC 2025, TRIVANDRUM, 23 January 2025, New Delhi
8. Critical care in Burn ICU, Course Faculty for the Advanced Emergency Burn Management Course at AIIMS, New Delhi, 6 March 2025, New Delhi

Sneha Singh

1. Fundamentals of infection control in ICU, Recent Advances in Critical Care 2024 (RACC-2024), 23 August 2024, New Delhi
2. Prolonged autonomic instability, NCSI 2024-5th Annual Conference of the Neurocritical Care Society of India, 1 September 2024, Chennai
3. Massive Weight Loss Body Contouring Surgery: Evidence and Challenges 2025 (Panel discussion), AIIMS Aesthetic Surgery Update 2024, 13 December 2024, New Delhi
4. Simulation-based training: Does it make a difference? ISNACC 2025- 26th Annual Conference of India Society of Neuroanaesthesiology and Critical Care 2025, 24 January 2025, Trivandrum

Sudhansu Sekhar Nayak

1. Basic Life Support (BLS) Algorithm for ICU & OT Technologists, Recent Advances in Critical Care (RACC 2024), 23 August 2024, New Delhi

Surabhi Gupta

1. Non-Invasive cardiac output monitoring: Reliability and evidence, ISA Delhi, 28 September 2024, New Delhi
2. Airway management in the Intensive Care Unit, Central Zone ISACON 24, 27 October 2024, Jhansi
3. Panel discussion Team: Massive Weight Loss Body Contouring Surgery: Evidence and Challenges 2024, AIIMS Aesthetic Surgery Update 2024, 13 December 2024, New Delhi
4. Anaesthetic management of hysteroscopic procedures, Live Hysteroscopic Surgery Workshop cum Symposium, 15 December 2024, New Delhi
5. Tackling Airway Challenges in Burn Patients, NABICON 2025 (Annual Conference of National Academy of Burns – India), 13 February 2025, Ayodhya

Sakshi Duggal

1. Oxygen therapy, Recent advances in critical care (RACC), 27 August 2024, New Delhi
2. Financial Independence & Retire Early: Feasibility for Anaesthesiologists, ISACON Delhi, 28 September 2024, New Delhi
3. Dedicated training in Obstetric Critical Care is the need of the hour, CRITICARE Conference, 9 March 2025, Kerala
4. Post Cardiac Arrest Care, Paediatric Perioperative Cardiac Arrest (P-POCA), 22 March 2025, New Delhi

Nitin Choudhary

1. Use of artificial intelligence in writing research papers: a friend or a foe, 3rd ISA DELHI YUVACON, 6 April 2024, New Delhi
2. Status of SGAD in obstetric anaesthesia, 32nd Annual National and 3rd International Conference of the Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2024, 19 April 2024, Jodhpur
3. Emergency surgical airway: When & How, 5th International & 15th National Conference of Indian College of Anaesthesiologists (ICACON), 14 September 2024, Lucknow
4. Repeat subarachnoid block in a case of a failed spinal anaesthesia, 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch, 29 September 2024, New Delhi

5. Crystalloids and colloids, Anaesthesia Postgraduate Pre Examination Course (APPEC-24), 8 October 2024, Online
6. Cutting-Edge Labor Analgesia: Innovations and Best Practices for Anticoagulated Parturient During Childbirth, 46th Annual Conference of Indian Society of Anaesthesiologists (ISA) UP State, 27 October 2024, Orchha
7. Ex utero intrapartum treatment (EXIT) procedure, 71st Annual National Conference of the Indian Society of Anaesthesiologists, ISACON 2024, 27 November 2024, Patna

Choro Athiphro Kayina

1. Prone CPR – What's Different, 32nd Annual National & 3rd International Conference of Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2024, 19 April 2024, Jodhpur
2. Oxygen therapy – What a technologist must know? Recent Advances in Critical Care, 2024, 23 August 2024, New Delhi
3. Why should you know Anaesthesia Crisis Resource Management (ACRM), 5th International & 15th National Conference of Indian College of Anaesthesiologists (ICACON) 2024, 13 September 2014, Lucknow
4. Measurement of IOP under GA, 4 National Conference of Association of Indian Ophthalmic Anaesthesiologists (20th-22nd September 2024), 21 September 2024, Chandigarh
5. AR and VR Simulation in Anaesthesiology, 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch – ISACON Delhi, 29 September 2024, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
215	232	392

List of Oral papers/posters presented: 48

1. Aravind M, Anand R, Rewari V, To compare the effects of Standard Vs Transpulmonary pressure guided Intraoperative PEEP on Postoperative Pulmonary Complications in Patients undergoing Upper Abdominal Surgeries, 46th European Society for Clinical nutrition and metabolism (ESPEN)Congress 2024, 8 September 2024, Milan, Italy
2. Bairagi S, Ayub A, Sinha R, Gupta A, A retrospective analysis of anesthetic concerns and management of pediatric patients undergoing brachytherapy for retinoblastoma, ISACON- Patna 2024 KOP award, 23 November 2024, Patna
3. Baishya M, Pandey RK, Punj J, Darlong V, Rewari V, Sinha R, et al, Comparative evaluation of analgesic efficacy of USG erector spinae plane block Vs intrathecal morphine in patients undergoing Percutaneous Nephrolithotomy (PCNL) surgery, Kore Anesthesia 2024, 8 November 2024, Incheon, South Korea
4. Bharti S, Choudhary AH, Duggal S, Delayed initiation of End of Life Care in Critically Ill patients: An observational study, Recent Advances in Critical Care - 2024, 27 August 2024, New Delhi
5. Bhattacharjee S, Mehrotra H, Datta SK, Narayanan V, Anand RK, Chumber S, et al, Endothelium Protective effect of 5% Human Albumin-based Fluid Therapy in Perforation Peritonitis Patients Undergoing Emergency Laparotomy: A Randomized Controlled Trial, 44th ISICEM (International Symposium on Intensive Care and Emergency Medicine), 19 March 2025, Brussels, Belgium
6. Bhoi D, Sundharesan MS, Chhabra A**,** Comparison of Caudal epidural block with Multiple injection Costotransverse block for renal surgeries in paediatric patients: A prospective randomised, blinded clinical trial, 20th ASPA Conference & 3rd Paediatric Anaesthesia Meeting of MSPA, 13 July 2024, Kuching, Sarawak (Malaysia)
7. Bhoi D, Shams A, Mohan VK, Ultrasound-guided versus fluoroscopic-guided lumbar sympathetic ganglion block: a prospective single-blind randomized study, New Zealand Pain Society, 21 March 2025, Wellington, New Zealand

8. Binu H, Ramachandran R, Kumar R, Rewari V, Balancing Dual Challenges: Pheochromocytoma and Pregnancy, Kore Anesthesia 2023, 9 November 2023, Seoul, Korea
9. Binu H, Ramachandran R, Kalaivani M, Kumar R, Kumar M, Rewari V, Intrathecal ropivacaine for day care surgery in patients undergoing lower abdominal, inguinal and urological surgery estimation with the biased coin up-and-down sequential method, 3rd Research Day, AIIMS, 30 January 2024, New Delhi
10. Choudhary N, Magoon R, Jain V, Yadav DK, Paediatric Foreign Body Aspiration: Necessity is the mother of Innovation! 33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2025, 29 March 2025, Bhatinda
11. Dadi UGS, Bhoi D, Shende DR, Sinha R, Khanna P, Anand RK, et al, Comparison of Superior Brachial Trunk Block with Pericapsular Nerve Group Block of shoulder joint in Arthroscopic Shoulder Surgeries – A Randomized Non-inferiority Trial, 37th SSAI (Scandinavian Society of Anaesthesiology and Intensive Care Medicine), 26 June 2024, Oulu, Finland
12. Dewangan S, Chhabra A, Assessment of analgesic efficacy of peribulbar block as adjunct to general anaesthesia in paediatric patients undergoing enucleation for retinoblastoma: a double-blind randomised controlled trial, 41st Annual European Society of Regional Anaesthesia (ESRA) Congress, 4 September 2024, Prague, Czech Republic
13. Gondode P, Debunking Myths About Decision-Making In Critical Care Using Generative Artificial Intelligence, CRITICARE-2025, 8 March 2025, Cochin
14. Gupta A, Analgesic efficacy of sacral erector spinae plane block in Lumbosacral spine surgeries as compared to conventional Management: A randomized controlled trial, ISACON Delhi, 29 September 2024, New Delhi
15. Gupta A, Case series on EOIPB for gastric Bypass, RSACPCON 2025, 29 March 2025, Bhatinda
16. Gupta A, Paediatric spinal anesthesia-essentials for anesthesiologist., RSACPCON 2025, 29 March 2025, Bhatinda
17. Hussain SY, Jain D, Kumar S, Lalwani S, Lalwani P, Kaushal P, et al, Anatomical evaluation and comparison of different injectate volumes on spread of drug in intermediate cervical plexus block in fresh embalmed cadavers**,** NZ Pain Society Conference 2025, 20 March 2025, Wellington, New Zealand
18. Hussain SY, Jain D, Kumar S, Analgesic efficacy of perineural ketamine as an adjuvant to local anesthetic solution for peripheral nerve blocks: A systematic review and meta-analysis**,** 41st ESRA (European Society of Regional Anaesthesia) Annual Congress, 4 September 2024, Prague, Czech Republic
19. Jain D, Hussain SY, Majage S, Kumar S, Kashyap L, Kaushal P, et al, Assessment and comparison of spread in thoracolumbar interfascial plane (TLIP) block and lumbar erector spinae block in cadavers: an anatomical study (Poster presentation), 41st ESRA (European Society of Regional Anaesthesia) Annual Congress, 4 September 2024, Prague, Czech Republic
20. Jain D, Hussain SY, Mohan VK, Efficacy of intra-articular pulsed radiofrequency for sacroiliac joint pain by two needle technique, NZ Pain Society Conference 2025, 20 March 2025, Wellington, New Zealand
21. Jain D, Mohan VK, Hussain SY, Bhoi D, Effect of verapamil as an adjuvant to epidural steroid injection in chronic lumbar radicular pain: A randomized, double blind study (Oral Presentation), 41st ESRA (European Society of Regional Anaesthesia) Annual Congress, 4 September 2024, Prague, Czech Republic
22. Khanna P, Ray BR, Roy A, Comparing Isotonic Bicarbonate to Balanced Salt Solution as Resuscitation Fluid in Severe Metabolic Acidosis: A Randomized Controlled Trial, KSCCM- ACCC 2024, 25 April 2024, Seoul, Korea
23. Khanna P, Gandhi V, Development and Evaluation of the Predictive Efficacy of the "Organ Failure Assessment by Ratio Score" (OFARS) for Sepsis-Related Mortality in ICU Patients: An Observational Study, IARS AND SOCCA (International Anaesthesia Research Society and Society of critical care Anaesthesiologists), 21 March 2025, Honolulu, USA
24. Khanna P, Gandhi V, Development of AI-model to predict refractory septic shock, European Society of Intensive Care Medicine (ESICM) LIVES 2024, 6 October 2024, Barcelona, Spain
25. Khanna P, Kayarat B, Ray BR, Anand RK, Role of femoral vein pulsatility in the prediction of acute kidney injury in patients with peritonitis and abdominal sepsis: Interim analysis of a prospective observational study, 41st Annual Academic Congress 2025, 22 January 2025, Colombo, Sri Lanka

26. Khanna P, Maheshwari A, Lal D, Yalla B, Transdermal Nicotine Replacement Therapy in Critically ill Patients: A Systematic Review and Meta-analysis, Asia Pacific Intensive Care Symposium (APICS) 2024, 18 August 2024, Singapore

27. Khanna P, Nair K, Comparative assessment of cortical hemodynamic activity using functional near infrared spectroscopy and correlation with emergence delirium in children undergoing anaesthesia with sevoflurane versus propofol tiva- a randomized controlled trial, 41st Annual Academic Congress 2025, 23 January 2025, Colombo, Sri Lanka

28. Khanna P, Ray BR, Roy A, Isotonic bicarbonate Vs balanced salt solution as resuscitation fluid in patients with severe metabolic acidosis: A randomised controlled trial, Korean Society of Critical Care Medicine -Acute and critical care conference (KACCM-ACCC) 2024 (KACCM-ACCC) 2024, 26 April 2024, Seoul, Korea

29. Khanna P, Roy A, Comparing Isotonic Bicarbonate to Balanced Salt Solution as Resuscitation Fluid in Severe Metabolic Acidosis: A Randomized Controlled Trial, European Society of Intensive Care Medicine (EUROMED) 2024, 16 May 2024, Marrakech, Morocco

30. Kumar S, Bhoi D, Rao TN, Poster –Efficacy of Retrolaminar plane Block in Patients undergoing breast surgeries-A case Series, New Zealand Pain Society (NZPS) 2025, 20 March 2025, Wellington, New Zealand

31. Lalwani P, Nagarajappa A, Mehta S, Khanna P, Combined superficial and intermediate Cervical Plexus Block for minimally invasive Parathyroidectomy in High Risk Patients., 41st Annual European Society of Regional Anaesthesia (ESRA) Congress, 5 September 2024, Prague, Czechoslovakia

32. Maitra S, Baidya DK, Ray BR, Kayina CA, Haritha D, Bhattacharjee S, et al, Validation of Updated Diagnostic Criteria of ARDS in COVID-19 Patients: A Retrospective Study, 44th ISICEM (International Symposium on Intensive Care and Emergency Medicine), 19 March 2025, Brussels, Belgium

33. Mani A, Duggal S, Swaroop M, Gondode P, Double Trouble: Anaesthesia in a Neonate with DORV Undergoing TEF Repair, ESRA (European society of regional anaesthesia), 5 September 2024, Paris, France

34. Mittal G, Shende D, Ray BR, *Venous Excess Ultrasound Score (VEXUS Score) for Prediction of Acute Kidney Injury (AKI) in Critically ill Septic Patients: A Prospective Observational Study, Asia Pacific Intensive Care Society (APICS) 24, 18 August 2024, Singapore

35. Mohammad IH, Khanna P, Rewari V, Darlong V, From the body to mind: Neuropsychiatric manifestations as an atypical presentation of leptospirosis, CRITICARE 2025, 9 March 2025, Kochi

36. Mondal S, Pandey RK, Kumar M, Sharma A, Darlong V, Punj J, Analgesic efficacy of classical thoracolumbar interfascial plane block versus modified thoracolumbar interfascial plane block in patients undergoing lumbar disc surgeries: A comparative, randomized controlled trial., Kore Anesthesia 2024, 8 November 2024, Incheon, South Korea

37. Pandey RK, Punj J, Darlong V, To Assess Technical Feasibility of Ultrasound Lumbar Sympathetic Block with Electrical Stimulation Needle in Out of Plane Needle Orientation: A Prospective Interventional study, 17th Asian & Oceanic Society of Regional Anaesthesia and Pain Medicine (17th AOSRA -PM 2024), 27 September 2024, Da Nang City, Vietnam

38. Patel N, Baidya DK, Kumar RA, Khanna P, Maitra S, Ultrasonographic Subcutaneous oedema assessment for cumulative fluid balance and ICU outcome- An interim analysis of prospective observational study APICS1238, Asia Pacific Intensive Care Symposium (APICS 2024), 19 August 2024, Singapore

39. Patel N, Baidya DK, Kumar R, Kumar S, Khanna P, Maitra S, Ultrasonographic Subcutaneous oedema assessment for cumulative fluid balance and ICU outcome- An interim analysis, European Society of Intensive Care Medicine (ESICM) LIVES 2024, 7 October 2024, Barcelona, Spain

40. Patel N, Krishnan M, Kumar R, Ayub A, Bhoi D, Kumar S, et al, Comparison Between Pressure Support Ventilation and Spontaneous Ventilation During Emergence and Extubation in Reducing Post Operative Atelectasis in Patients Undergoing Major Abdominal Surgeries: A Randomized Controlled Trial- An Interim Analysis, European Society of Intensive Care Medicine (ESICM) LIVES 2024, 08 October 2024, Barcelona, Spain

41. Patel N, Krishnan M, Kumar R, Ayub A, Bhoi D, Kumar S, et al, Comparison Between Pressure Support Ventilation and Spontaneous Ventilation During Emergence and Extubation in Reducing Post Operative Atelectasis in Patients Undergoing Major Abdominal Surgeries: A Randomized Controlled Trial, Asia Pacific Intensive Care Symposium (APICS 2024, 19 August 2024, Singapore

42. Punj J, To Assess Technical Feasibility of Ultrasound Lumbar Sympathetic Block with Electrical Stimulation Needle in Out of Plane Needle Orientation: A Prospective Interventional Study, Kore Anesthesia 2024, 7 November 2024, Korea
43. Rao RS, Shah S, Ramachandran R, Microplastic Intruders: A preliminary observational drive into estimating Intravenous fluids contamination, Lucknow poster presentation, TECHNOCON-2025, 16 February 2024, Lucknow 1
44. Ray BR, The Role of Renal Aeterio Venous Coupling in The Prediction of Acute Renal Injury in Patients With Sepsis : A Prospective Observational Study, Korean Society of Critical Care Medicine -Acute and critical care conference (KACCM-ACCC) 2024, 26 April 2024, Seoul Korea
45. Shah S, Sanjeevi G, Jain V, Joy J, Walking a tightrope – Insights from a case of mediastinal mass, 16th Annual Conference of Indian Association of Paediatric Anaesthesiologists (IAPA 2025), 16 February 2025, Pune
46. Singh AK, Viswanath V, Khanna P, Addition of Ketamine to ESP blocks in patients undergoing mastectomies reduces chronic neuropathic pain at 3 and 6 months, Annual Pain Medicine Meeting, 22 November 2024, Las Vegas, USA
47. Singh R, Comparative analysis of education material generated for caregivers by popular AI Chatbots on palliative care in intensive care unit, CRITICARE 2025, 07 March 2025, Kerala
48. Veeranki S, Rupavath RK, Viswanath A, Rajagopalan V, Darlong V, Reactive airway dysfunction syndrome (RADS) in Paediatric burns: Unravelling a rare consequence of Inhalational injury with Management guidlines, Recent Advances in Critical Care - 2024, 25 August 2024, New Delhi

LIST OF ORAL PAPERS/POSTERS OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
21	**41**	**48**

RESEARCH

Funded projects

Ongoing

1. Artificial Intelligence-Driven Chronic Pain Management with Mobile App Integration for Empowering Primary Healthcare Physicians, Debesh Bhoi (Collaborative project with SGPGI, Lucknow), ICMR, 1 Year, 2025-2026, Rs 2.41 Lakhs
2. Association between DNA Telomere Length in Peripheral Blood Leukocytes and Post-Operative Cognitive dysfunction (POCD) and Post-Operative Delirium (POD) in Elderly patients undergoing Major Orthopaedic surgery under General Anesthesia: A Prospective Observational Study, Puneet Khanna, DST, CSRI, 3 Years, 2023-2026, Rs 8 Lakhs
3. Comparative evaluation of the effects of virtual reality-based video tour of the operating room versus conventional preoperative education on preoperative anxiety in children scheduled for elective day care surgery: A randomized controlled trial, Swati Mehta, AIIMS-Intramural, 2 Years, 2025-2027, Rs 3.35 Lakhs
4. Comparison of LMA ProSeal and ® LMA Protector™ as Airway device in laparoscopic surgeries- a randomised controlled superiority trial, Aditi Suri, AIIMS-Intramural, 1 Year, 2024-2025, Rs 3.66 Lakhs
5. Comparison of stress response in newborn delivered via caesarean section under general anaesthesia versus regional anaesthesia: A Prospective observational study, Choro Athiphro Kayina, AIIMS Interdisciplinary Collaborative Intramural Research Project, 2 Years, 2024-2026, Rs 20 Lakhs
6. Correlation of lung and gut microbiome of critically ill patients: A cross sectional study, Choro Athiphro Kayina, AIIMS Intramural, 2 Years, 2023-2025, Rs 9 Lakhs
7. Determining the association between pre-operative frailty and nutritional status with the occurrence of emergence delirium and cognitive dysfunction in pediatric patients under general anesthesia, Puneet Khanna, ICMR, 3 Years, 2025-2028, Rs 78 Lakhs

8. Development of a health education portal for patients with chronic pain and diabetes: Assessment of patient satisfaction and utility, Ram Singh, AIIMS-Intramural, 2 Years, 2024-2026, Rs 9.5 Lakhs
9. Effect of 10% dextrose as an adjuvant in lumbar epidural adhesiolysis: A prospective randomized controlled study, Dhruv Jain, AIIMS- Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
10. Effect of Anaesthetic Agents on Intestinal Microbiome and Cognition in Pediatric Patients Undergoing Elective Surgeries, Anju Gupta, ICMR, 3 Years, 2024-2027, Rs 164.72 Lakhs
11. Effect of Carbohydrate Loading on Recovery of Patients undergoing Total Knee Replacement Surgery- A Randomised controlled trial, Sana Y Hussain, AIIMS-Intramural, 2 Years, 2024-2026, Rs 9.63 Lakhs
12. Effect of two dose vs single dose dexamethasone on post-operative pain and inflammatory response in patients undergoing major abdominal surgery: A double-blinded randomised controlled trial, Priyankar Kumar Datta, AIIMS-Intramural, 2 Years, 2024-2026, Rs 5 Lakhs
13. Evaluation of a Bundled Intervention to Restore Circadian Rhythm in Critically Ill Sepsis Patients: A Randomized Controlled Trial, Souvik Maitra, ICMR, 3 Years, 2025-2027, Rs 62.79 Lakhs
14. Evaluation of Second-generation laryngeal mask airway (LMA Protector) for laparoscopic surgeries-A Randomized Controlled Trial, Subodh Kumar, AIIMS-Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
15. Evaluation of the Effect of Fibrinogen on Perioperative Bleeding during Scoliosis Surgery: A Double Blind Randomized Controlled Trial, Subodh Kumar, AIIMS-Intramural, 2 Years, 2024-2026, Rs 20 Lakhs
16. In-situ simulation for assessment of CPR feedback device use for BLS skills in trained CPR providers: A pre-post intervention study, Amit Kumar, AIIMS- Intramural, 2 Years, 2024-2026, Rs 4.96 Lakhs
17. Preparing a centre of excellence for education of health professionals, Rashmi Ramachandran, Novo Nordisk foundation, Denmark, 2 Years, 2023-2025, Rs 44.59 Lakhs
18. Remote trainer guided deliberate practice vs self-directed video-based training for retention of CPR skills: A randomized, comparative, assessor-blinded simulation study, Abhishek N, AIIMS- Intramural, 2 Years, 2020-2022, Rs 4.80 Lakhs
19. The effects of normoxic vs hyperoxic conditions on the incidence of Post-Operative Cognitive Dysfunction (POCD) and identification of miRNA in POCD in elderly patients undergoing non cardiac surgery: A Prospective Observational Case Control Study, Puneet Khanna, AIIMS-Intramural, 2 Years, 2022-2024, Rs 10 Lakhs
20. To evaluate the role of serum cell-free DNA (cf DNA) as a diagnostic surrogative marker and severity predictor in inhalational burns injury- A prospective cohort study, Rupavath Ramkumar, AIIMS-Intramural, 2 Years, 2024-2026, Rs 7.75 Lakhs
21. Utility of 3-D printing model in airway management of anlylosing spongylitis patients undergoing surgery under general anaesthesia: A pilot study, Nitin Choudhary, AIIMS- Intramural, 2 Years, 2024-2026, Rs 4.60 Lakhs

Completed

1. Effect of 5% human albumin-based perioperative fluid therapy in perforation peritonitis patients undergoing emergency laparotomy: A randomized controlled trial, Dr Sulagna Bhattacharjee, SERB DST, 2 Years 3 Months, 2022-2024, Rs 28 Lakhs
2. Effect of Nicotine Replacement Therapy on peri-operative opioid requirement in abstinent tobacco smokers undergoing spinal fusion, a double blind randomized controlled trial, Puneet Khanna, ICMR, 3 Years, 2021-2024, Rs 50 Lakhs
3. Impact of an enhanced recovery after surgery (ERAS) protocol on length of stay, perioperative outcomes and complications in paediatric laparoscopic surgeries, Shreya Shah, AIIMS-Intramural, 2 Years, 2022-2024, Rs 5 Lakhs

DEPARTMENTAL PROJECTS (INCLUDING THESIS)

Ongoing

1. A randomized comparative trial of melatonin and gabapentin in reducing preoperative anxiety
2. A comparative study of Quadratus Lumborum Block vs Epidural block for post operative analgesia in patients with gynecological malignancies

3. A comparative study to evaluate analgesic efficacy of ultrasound guided forearm nerve block with dexmedetomidine as adjuvant for hand surgery in paediatric patients : A randomized trial
4. A prospective randomized comparative analysis between LMA vs ETT for recovery time in preterm infants for ROP eye surgeries
5. Aerosolized Colistin in Ventilator Associated Pneumonia Caused by Carbapenem Resistant Acinetobacter: A Randomized Controlled Trial
6. ARDS Phenotypes and its Association with RV Dysfunction Trajectory
7. Artificial Neuron- Machine learning analysis of volatile organic compound to predict carbapenem- resistant gram-negative bacteria a cause of lower respiratory tract infection.
8. Assessment of short-term retention of skills and knowledge after Basic Cardiopulmonary Life Support Training in healthcare workers: A prospective interventional study
9. Assessment of the analgesic efficacy of bilateral pecto-intercostal fascial block and intermediate cervical plexus block in patients undergoing bilateral axillo-breast approach (BABA) endoscopic thyroidectomy under general anaesthesia: a randomized controlled trial.
10. Association Between Cumulative Fluid Balance to Estimated Colloid Oncotic Pressure Ratio and Perioperative Outcome in Adult Patients Undergoing Emergency Abdominal Surgery
11. Association Between Perioperative Hypertension, Length of Hospital Stay And Perioperative Cardiovascular Complications: A Prospective Observational Study From Tertiary Care Centre
12. Association Between Post-Operative Delirium and Cognitive Dysfunction with Serum Uric Acid And C-Reactive Protein Levels in Elderly Patients Undergoing Major Surgery Under General Anesthesia: A Prospective Observational Study
13. Can a glow beyond the flow predict epidural drug spread in paediatrics? - An observational study
14. Clinical profile and Outcome of Patients Presenting with Hypertensive Crisis to Emergency Department
15. Colouring Activity Versus Video Distraction To Alleviate Paediatric Patient Anxiety: A Randomised Control Trial
16. Comparative efficacy and safety of I-gel supraglottic airway and self-pressurizing Air-Q intubating laryngeal airway during general anesthesia in infants: A prospective randomized trial.
17. Comparative efficacy of High Flow Nasal Cannula versus Non –Invasive Ventilation in Acute Exacerbation of chronic Obstructive Pulmonary disease : A Randomized Controlled Trial
18. Comparative Efficacy of Serratus Anterior Plane Block vs Standard Care In Alleviating Pain During Chest Tube Thoracostomy in Emergency Department: A Prospective Open Label Randomised Control Trial
19. Comparative Efficacy of ultrasound guided Sacral Erector spinae plane block and wound infiltration in transforaminal lumbar interbody fusion: A randomized controlled trial
20. Comparative evaluation of Anatomical spread in classical thoraco-lumbar interfascial plane (TLIP) block and Modified TLIP block: A cadaveric study
21. Comparative evaluation of sphenopalatine ganglion block and dexmedetomidine nebulization for treatment of post dural puncture headache in obstetric patients.
22. Comparison between Analgesic efficacy of lumbar erector spinae block and caudal block in paediatric unilateral hip and proximal femur surgeries : A randomized controlled trial Comparison between Analgesic efficacy of lumbar erector spinae block and caudal block in paediatric unilateral hip and proximal femur surgeries : A randomized controlled trial
23. Comparison between para sagittal oblique approach and axial approach of ultrasound guided trachnique in transformational epidural injections: A randomised controlled trial
24. Comparison between pressure support ventilation and spontaneous ventilation during extubation and emergence in reducing post operative atelectasis in patients undergoing major abdominal surgeries": A Randomised controlled trial.
25. Comparison of 110 degree anticlockwise rotation and conventional 90-degree rotation for successful placement of left double-lumen tubes: A randomised controlled trial

26. Comparison of airway occlusion pressure with ultrasound based respiratory indices to predict weaning in critically ill patients: A prospective observational trial
27. Comparison of analgesia efficacy of Thoracolumbar Interfascial Plane Block Vs Sacral Erector Spinae Plane block in patients undergoing lower spine surgeries
28. Comparison of Analgesic Efficacy Of Pudendal Nerve Block With Caudal Block Using Bupivacaine And Clonidine In Children Undergoing Hypospadias Repair: A Prospective Randomized Study
29. Comparison of analgesic efficacy of two approaches to the ultrasound guided erector spinae plane block in patients undergoing modified radical mastectomy: A randomized controlled trial
30. Comparison of analgesic efficacy of ultrasound guided erector spinae plane block versus transmuscular quadratus lumborum block in laparoscopic/robot assisted renal surgeries: A double-blind randomised controlled trial.
31. Comparison of effect of ringer lactate and isotonic Bicarbonate combination therapy versus Ringer lactate alone in early fluid restriction of burns patients- A Randomized controlled trial
32. Comparison of ESPB and SAPB for postoperative analgesia in paediatric thoracoscopic surgeries.
33. Comparison of fasting gastric volume in males and females undergoing elective surgery using ultrasound: A Prospective observational study
34. Comparison Of General Anesthesia versus spinal anaesthesia on perioperative outcomes in lumbar spine surgery : A retrospective study
35. Comparison of Glide scope and C-Mac Video laryngoscope for intubation in `pediatric patients: A prospective, comparative & randomized study
36. Comparison of hemodynamic effects of orotracheal intubation using Macintosh blade C-MAC versus D blade C-MAC Video-laryngoscope in hypertensive patients undergoing elective surgeries
37. Comparison of intra-articular pulsed radiofrequency by two needle technique and steroid injection for sacroiliac joint pain: a randomized, double blind trial
38. Comparison of Lumbar ESP and Caudal block for hip and proximal femur surgery in children
39. Comparison of mechanical power between PCV vs VCV in children undergoing laproscopic surgery under general anesthesia: A randomized controlled trial.
40. Comparison of Nasogastric Tube insertion using conventional technique vs Compression of Soft Tissues (COST) technique in intubated patients: A Randomized Control Trial
41. Comparison of paralysis of laryngeal adductor vs adductor pollicis at time of intubation with NIM EMG endotracheal tube
42. Comparison of Paramedian and Paraspinous Techniques for Subarachnoid Block in Elderly Patients with Degenerative Spine Disease: A Randomized Controlled Trial
43. Comparison of PEMF and medical management in chronic back pain-randomised controlled trial
44. Comparison Of Perineural Dexamethasone and Dexmedetomidine Vs Dexamethasone only as an Adjuvant in Ultrasound Guided Sciatic Nerve Block Via Popliteal Approach in Orthopaedic Below Knee Surgeries: A Double Blind Randomised Controlled Trial
45. Comparison of polymyxin-B with minocycline versus polymyxin-baith high dose sulbactum in carbapenum resistance acinobactor baumannii ventilator associated pneumonia-a randomised double blind non inferiority study
46. Comparison of success of single space with two insertion points (A Novel technique) and Conventional double space technique for CSE anaesthesia: A randomised prospective study
47. Comparison of the storz size 2 McIntosh blade CMAC and size 2 D blade CMAC in children with simulated cervical spine injury: a prospective randomized study
48. Comparison of TUORenKingtaek® video laryngoscopy and direct laryngoscopy for tracheal intubation by novice anaesthesia residents: A Randomised controlled trial
49. Comparison of two doses of dexmedetomidine as adjuvant in external oblique intercoastal block EIOB on postoperative analgesia in laparoscopic upper abdominal surgeries: A double blinded randomized controlled trial

50. Comparison of ultrasound guided fluid resuscitation protocol with standard formula based fluid resuscitation protocol in burn patient – A randomised controlled trial.
51. Comparison of ultrasound guided out of plane vs inplane costoclavicular block approach in children undergoing unilateral upper limb surgery-A randomized controlled trial
52. Comparison of unimodal, non-pharmacological, preoperative psychological prehabilitation intervention Nature soundscape immersion and virtual reality on preoperative anxiety and stress reduction- A randomized non inferiority trial
53. Comparison of USG guided Oblique Axis in-plane technique (OA-IP) vs Short Axis-Dynamic Needle Tip Positioning (SA-DNTP) technique for Radial Artery Cannulation in Adults-A Prospective randomized trial
54. Comparison of weight versus weight for age for size selection of LMA in malnourished peds patient- a randomized crossover trial
55. Correlation of Thyromental distance and the ease of passing a nasotracheal tube through the glottis : a Prospective observational study
56. Development and validation of Machine-Learning Based Model for Prediction of Acute Kidney Injury in Patients Undergoing Major Abdominal Surgery: An Ambispective Study
57. Does a change in optic nerve sheath diameter have an association with postoperative emergence delirium in paediatric patients undergoing laparoscopic surgeries? - An observational study
58. Early vasopressor administration and postoperative organ dysfunction in elective abdominal surgery: a randomized controlled study
59. Effect of adjuvant hypertonic saline in transforaminal epidural steroid injection for the management of patients with chronic lumbosacral radiculopathy- a double blind, prospective, randomised trial
60. Effect of Airway Pressure on Cuff Pressure of Proseal Laryngeal Mask Airway in Patients Undergoing Gynaecological Laparoscopic Procedures
61. Effect of application of the MINUTES bundle vs existing care on the clinical outcomes in the initial management of undifferentiated circulatory shock in the emergency department - a randomised control study
62. Effect of bilateral external oblique intercostal block (EOIB) on peri-operative analgesia in upper abdominal surgeries – a randomised controlled trial
63. Effect of dexamethasone on post operative cognitive decline in elderly population: a randomized controlled triple blind trial
64. Effect of fentanyl administered at different time interval on induction dose of propofol using bispectral index
65. Effect of gradual increase in intra-abdominal pressure on bradycardia during creation of pneumoperitoneum in laparoscopic abdominal surgery: A Prospective Randomised study
66. Effect of immersive virtual reality in decreasing the analgesic requirement during dressing change in children with burn injuries – A prospective, randomised controlled trial.
67. Effect of inhaled milrinone on oxygenation and right ventricular function in patient with acute respiratory distress syndrome -A prospective, randomized controlled trial
68. Effect of injectate volume on spread of drug in cervical plexus block: a cadaveric Study
69. Effect of Intravenous Dexamethasone and Inhaled Budesonide versus Intravenous Dexamethasone Alone on Lung Injury Score in patients with Acute Respiratory Distress Syndrome – A Prospective, Double Blind, Randomized trial
70. Effect of lateral head positioning on the incidence of epistaxis during nasotracheal intubation-a randomized controlled trial
71. Effect of nitrous oxide during oocyte retrieval on in-vitro fertilization outcomes: A retrospective study
72. Effect of predicted versus actual body weight based tidal volume setting on postoperative atelectasis in malnourished children undergoing surgery under general anaesthesia : A Randomised Control Trial
73. Effect of Preemptive administration of Dexamethasone on postoperative pain and quality of recovery in laparoscopic renal surgeries: a double blind randomised controlled trial.

74. Effect of systemic antimicrobial prophylaxis on early organ dysfunction in burn patients: An open-labelled randomized control trial
75. Effect of virtual reality therapy on postoperative delirium and cognitive dysfunction a prospective randomized clinical trial in elective non cardiac surgery patients
76. Effectiveness of early administration of fludrocortisone in septic shock: A prospective double-blind, randomised control trial.
77. Effects Of Early Administration Of Methylene Blue in Intraabdominal Sepsis Patients with Septic Shock-A Randomized Controlled Trial
78. Efficacy of hydroxy-ethyl starch with ropivacaine in prolongation of analgesia with supraclavicular brachial plexus block-a randomised control pilot study.
79. Erector spinae plane block in breast surgery- A dose finding Trial
80. Evaluation of MAC of sevoflurane and BIS factor index for maintenance of central eye position during short ophthalmic procedures in spontaneous breathing children under general anesthesia and co relation of MAC of sevoflurane with BIS
81. Evaluation of postoperative voice changes following thyroid and parathyroid surgery and formulation of scoring system to predict postoperative voice outcome
82. Exploring Arterial Cannulation Practices in India: Insights from a Nationwide Survey of Anaesthesiologists"
83. Exploring the Hidden Curriculum in Anesthesia Postgraduate residency Program A Qualitative Study
84. External Validation of a Lung USG based Post Operative Pulmonary Complications Risk Prediction Model: A Prospective Study
85. External Validation of a Machine-Learning Derived Risk Prediction Model for Post Operative Pulmonary Complications
86. Factors influencing perioperative outcomes in Mandibular reconstruction using vascularized free fibular as well as radial flap: A retrospective review of 150 patients
87. Frailty as a predictor of clinical severity in geriatric COVID-19 patients: A prospective observational study
88. Genome wide association of genetic marker with sevoflurane induced emergence delirium in pediatric population.
89. Heterogeneity in the Effect of Driving Pressure Targeted Positive End- expiratory Pressure Titration for Prevention of Postoperative Pulmonary Complications: Analysis of Two Randomized Controlled Trials
90. Impact of various anesthetic techniques on neutrophil extracellular traps and their components in orthopedic trauma surgeries and development of SIRS: A single-blinded randomized control trial
91. Incidence and risk factors for Chronic post thoracotomy pain and its impact on the quality of life: A Prospective Observational study in the Indian subcontinent.
92. Investigating the prognostic significance of simultaneous multiple cytokine measurement in peritoneal fluids for early detection and prediction of abdominal septic peritonitis after emergency laparotomy: A prospective Cohort study at a tertiary care centre
93. Lignocaine versus ketamine as an adjunct to propofol for sedation during endoscopic retrograde cholangiopancreatography (ERCP): A randomized controlled trial
94. Methylene blue vs Vasopressin as a second line vasopressor in septic shock: a randomised controlled trial
95. Nicotine Replacement Therapy Reduces the Incidence of Delirium and Cognitive Dysfunction in post operative period in abstinent tobacco smokers: A Double Blind Randomized Controlled Trail.
96. PENG vs interscalene for shoulder manipulation procedure: an RCT
97. Point of Care Ultrasound to confirm correct positioning of central venous catheter tip- A prospective observational study
98. Polymyxin vs. Ceftazidime-avibactam with aztreonam for primary treatment of Carbapenem Resistant Enterobacteriaceae (CRE) and Carbapenem Resistant Pseudomonas aeruginosa (CRPA) [CARE trial].
99. Prediction of Weaning Outcome by Diaphragmatic Surface Electromyography: A Prospective Observational Study

100. Quantification of gastric volume after mask ventilation with or without oropharyngeal airway in pediatric population
101. Randomized controlled trial to compare dexamethasone and clonidine in ultrasound stellate ganglion nerve block parameters of NRS and vascular dynamics
102. Randomized trial comparing Pulsed Radiofrequency to Conventional Radiofrequency in ultrasound guided Glossopharyngeal neuralgia
103. Role of Admission POCUS in Clinical Decision Making in ICU: A Multi Centric Prospective Observational Study (A POCUS ICU study)
104. Role of comprehensive lung ultrasound in predicting postoperative pulmonary complications after emergency abdominal surgery: a prospective observational study
105. Role of femoral vein pulstality in prediction of acute renal injury in patients with peritonitis and abdominal sepsis a prospective observational study.
106. Role of metabolic syndromes (MetS) in the incidence of post-operative delirium and cognitive dysfunction in elderly patients undergoing major surgery under general anesthesia: A prospective observational study.
107. Role of Renal Resistive Index in predicting acute kidney injury in severe burn injury : A prospective observational study.
108. Sleep-disordered breathing and emergence delirium in children: a comparison between Pittsburgh Sleep Quality Index (PSQI) and Sleep trouble breathing and unrefreshed (STBUR) questionnaire
109. Systemic antimicrobial prophylaxis in critically ill burns patients- An open label randomized control trial.
110. Temporal Stability of Sub phenotypes of Septic Shock after Corticosteroid Therapy: A Retrospective Analysis
111. The effect of positive end-expiratory pressure administered by Proseal laryngeal mask airway on peri-operative atelectasis - A randomised controlled trial
112. To Compare the Opioid Sparing Effects Of Gabapentin, Dexamethasone, Paracetamol and Ketorolac (GaDexPak) VS Dexamethasone, Paracetamol and Ketorolac (DexPak) Combination in Patients undergoing Modified Radical Mastectomy: A Prospective Randomised Double Blind Controlled Trial
113. To evaluate effect of Carbon Dioxide Insufflation on Optic Nerve Sheath Diameter in Endoscopic Thyroid and Parathyroid Surgery: An observational study
114. To evaluate efficacy of tranexamic acid as anti-inflammatory agent and its effect on shunt patency in Lieno Renal shunt surgeries- a prospective, randomized, double –blind, placebo control study
115. To evaluate the impact of probiotics on gut mircobiota and their potential role in modulating postoperative neurocognitive dysfunction using metagenomics analysis – a pilot study
116. To evaluate the safety and efficacy of different doses of Clonidine in Pectoral nerve blocks (PECS I&II) for pain relief in different Oncological Breast Surgeries: A prospective, comparative, randomized controlled trial.
117. To study the analgesic effectiveness of Anterior femoral cutaneous nerve block in addition to Proximal adductor canal block and Local infiltration analgesia in patients undergoing unilateral primary total knee arthroplasty.
118. To study the correlation of cumulative fluid balance and diaphragmatic dysfunction among ventilated patients
119. Ultrasonographic Assessment of Tonsillar Volume in Children undergoing tonsillectomy; a predictor of post-operative morbidity
120. Ultrasonographic Subcutaneous Edema Assessment for Cumulative fluid balance and ICU outcome- A prospective observational study.
121. Use of IgM-enriched intravenous immunoglobulin mixture in patients with severe burn: A prospective randomized placebo-controlled pilot trial
122. Use of isotonic bicarbonates in the prevention of acute kidney injury in high voltage electrical burns: A double blind randomised controlled trial.
123. Utility of laryngeal mask airway for the airway management in infants undergoing operative procedures for retinopathy of prematurity: A single arm clinical trial

124. Utilization of NIRS monitor to compare regional cerebral oxygen saturation between opioid and opioid-sparing anesthesia and post-operative cognitive dysfunction in elderly patients undergoing laparoscopic surgery A double blinded randomized controlled trial.
125. Validation of Global Definition of Acute Respiratory Distress Syndrome in COVID-19 Patients: A Retrospective Study
126. Validation of pressure transducer derived femoral artery corrected flowtime for volume responsiveness in adult patients with septic shock.
127. Velocity time integral and stroke volume measured in the ascending aorta for prediction of volume responsiveness in mechanically ventilated adults with septic shock
128. Volume controlled vs pressure control volume guarantee ventilation in emergency laparotomy: a randomized controlled trial

Completed

1. A comparative study to evaluate the analgesic efficacy and safety of caudal versus intranasal Dexmedetomidine as an adjuvant to caudal Ropivacaine in paediatric patients undergoing infraumbilical surgeries: A randomised controlled double blind non-inferiority trial
2. Air Q ILA as a conduit for orotracheal intubation in children: A comparison between supine and lateral position
3. Analgesic efficacy of intrathecal dexmedetomidine versus intrathecal morphine as adjuvants to bupivacaine in patients undergoing total laparoscopic hysterectomy: A randomised parallel group double-blind non-inferiority trial
4. Analgesic efficacy of sacral erector spinae plane block in Lumbosacral spine surgeries as compared to conventional Management: A randomized controlled trial
5. Antimicrobial Resistance Awareness -A Comprehensive analysis of Artificial Intelligence-generated public educational materials. Assessing accuracy, suitability, sentiment, readability, and actionability in ChatGPT versus Google Gemini
6. Assessment of acute gastrointestinal injury (AGI) by point-of-care ultrasound (POCUS)to predict feeding intolerance in adult critically ill patients.
7. Association of malnutrition with inhalational anaesthetic requirement and awakening during day care procedures in children
8. Can nasopharyngeal suction prior to supraglottic airway (SGA) removal reduce the incidence of post-SGA removal adverse airway events in children? – A randomised controlled trial.
9. Comparative Evaluation of Anatomical Spread in classical thoraco-lumbar interfacial plane (TLIP) block and Modified TLIP block: A cadaveric study
10. Comparison between the Medial and Lateral approaches of Ultrasound-guided Costoclavicular Brachial plexus block for upper limb surgeries- A Pilot Interventional randomised control trial
11. Comparison of analgesic efficacy of modified plain thoraco-lumbar interfascial plane block (TLIP) Vs modified thoraco lumbar interfascial plane block with dexmedetomidine as adjuvant in patients undergoing lumber disc surgeries A – comparative randomized controlled trial.
12. Comparison of analgesic efficacy of Pericapsular group of nerve block Versus Quadratus Lumborum type III block in adult patients undergoing unilateral hip arthroplasty: A comparative randomized control trial.
13. Comparison of analgesic efficacy of two approaches to the ultrasound guided erector spinae plane block in patients undergoing modified radical mastectomy: A randomized controlled trial.
14. Comparison of awake nasotracheal intubation using flexible Fibre-optic bronchoscope versus D blade CMAC Video-laryngoscope in patients having anticipated difficult airway under topical local anaesthesia and dexmedetomidine infusion
15. Comparison of Caudal epidural block with Multiple injection Costotransverse block for renal surgeries in paediatric patients: A prospective randomised, blinded clinical trial
16. Comparison of sevoflurane and isoflurane during oocyte retrieval on in-vitro fertilization outcomes: A retrospective study.

17. Comparison of the analgesic efficacy of continuous segmental epidural block with dilute local anaesthetic solution and fentanyl to epidural morphine boluses in dilute local anaesthetic in paediatric patients undergoing upper abdominal surgery: a randomized controlled trial.
18. Comparison of the effect of console-based video games on visuomotor skills of novice residents: A double-blinded Randomized controlled trial
19. Comparison of two doses of tranexamic acid in reducing intraoperative blood loss in patients undergoing pancreaticobiliary surgery
20. Comparison of ultrasound guided double injection vs triple injection technique of intertruncal approach of supraclavicular nerve block: A randomised non-inferiority trial.
21. Correlation of Ultrasound Examination with Flexible Bronchoscopy for Airway Assessment in Burns Patients with Inhalational Injury : An Observational Study
22. Duration of mechanical ventilation prediction in critically ill patients: development and validation of an AI model.
23. Effect of a dexamethasone on postoperative subsyndromal delirium in older adults : A randomised, double-blind, placebo-controlled trial
24. Effect of different degrees of head of end elevation of the bed on respiratory mechanics during extubation in patients undergoing routine surgical procedures under general anesthesia.
25. Effect of different patient positions on post induction hypotension caused by Propofol – A randomized comparative trial
26. Effect of Erector Spinae block with bupivacaine and ketamine versus bupivacaine alone on chronic postoperative pain in patients undergoing modified radical mastectomy: A pilot study
27. Effect of erector spinae block with bupivacaine and ketamine vs bupivacaine alone on acute postoperative pain and opioid consumption in patients undergoing modified radical mastectomy
28. Effect of I:E ratio optimisation and prolonged end inspiratory pause on post-operative lung atelectasis and pulmonary complications in adult patients undergoing major open abdominal surgery: A randomised controlled trial.
29. Effect of verapamil as an adjuvant to epidural steroid injection in chronic lumbar radicular pain: A randomized, double blind study
30. Effect of wrist angulation on ease of radial artery cannulation in pediatric population: ultrasound-guided anatomical assessment
31. Efficacy Of Calcium Gluconate in prevention of uterine atony during Lower Segmental Caesarean Section(LSCS) Delivery: A Randomized Controlled Trial
32. Efficacy of Retrolaminar Plane Block in Patients Undergoing Breast Surgeries: a single-center, prospective, observational study
33. Evaluation of the performance of sonographic airway assessment parameters to predict difficult airway in children
34. Impact of preoperative anxiety on propofol induced hypotension in children undergoing elective surgery under general anesthesia: a prospective observational study
35. Ketofol vs ketodex vs ketofen for dressing in burns in adult patients: A Randomised controlled trail
36. Low dose methylprednisolone in early mild moderate ARDS in burn patients: A Single center open label Randomized control trial
37. Myocardial performance index for prediction of an outcome in septic shock patients: A prospective observational pilot study.
38. Oxygen reserve index for detection of hyperoxemia and titration of oxygen in intensive care: A prospective observational cohort study.
39. Perioperative opioids and postoperative neurocognitive outcomes in elderly patients undergoing laparoscopic surgery: A prospective observational study.
40. Predictors for postoperative ICU stay in scoliosis- a retrospective study

41. Preoperative Ultrasound assessment of quadriceps depth for Identifying Frailty and post operative delirium: An observational Study
42. Retrospective Analysis of Factors Influencing Prolonged Intubation in Adult Burns Patient in a Tertiary Care Institute
43. Role of comprehensive lung ultrasound in predicting postoperative pulmonary complications after emergency abdominal surgery: a prospective observational study
44. Sonographic assessment of suprahyoid airway parameters in patients planned for elective Proseal placement - a pilot, observational study.
45. The association between pulmonary function tests and difficult airway in morbidly obese patients
46. The effect of post spinal hypotension on cerebral oxygenation using Near Infrared Spectroscopy and Neonatal Outcomes in full term parturients Undergoing lower segment Caesarean Section- A prospective observational study
47. To assess the analgesic efficacy of ultrasound guided Erector spinae block Vs Transverse abdominis plane block in children undergoing unilateral abdominal surgeries: A comparative randomized study.
48. To assess time to first rescue analgesic requirement following preoperative Genicular Nerve Block in arthroscopic knee surgeries.
49. To evaluate the efficacy of different doses of iv dexamethasone on the duration of subarachnoid block in patients undergoing infraumbilical surgery: A randomized control double blinded study**.**
50. To study the efficacy of 6% hydroxyethyl starch with 0.25% ropivacaine for ilioinguinal/iliohypogastric block along with wound infiltration in prolonging the duration of post-operative analgesia in pediatric unilateral inguinal hernia repair- A randomized control trial

INTER DEPARTMENTAL COLLABORATIONS

Ongoing

1. A Retrospective Evaluation of Anaesthetic Management and Perioperative Concerns in Scoliosis Surgery :A Single Centre Study from a Tertiary Care Hospital, Department of Orthopedics, AIIMS, Delhi
2. Comparison between patient controlled analgesia with fentanyl and multimodal parenteral analgesia in reducing pain due to second trimester medical termination of pregnancy – A randomized controlled trial, Department of Obstetrics and Gynaecology, AIIMS, New Delhi
3. Efficacy and safety of Onabotulinum toxin A (Botox) injections in the upper esophageal sphincter for the treatment of Pharyngo-esophageal Dysphagia due to cricopharyngeal dysfunction- A Randomized Control Trial, Department of Neurology Department of Gastroenterology and Human nutrition Department of Radiodiagnosis AIIMS, Delhi
4. Evaluation of complex regional pain Syndrome of hand in patient presenting in a Tertiary care Centre, Department of Orthopaedics, AIIMS, Delhi
5. Evaluation of Diagnostic Accuracy of Airway Ultrasound for Inhalational Burn Injury, Plastic, Reconstructive & Burns Surgery, AIIMS, New Delhi
6. Extent of Pelvic Lymphadenectomy during Radical Cystectomy – A Multi-Institutional Open Label Randomized Trial between Standard and Extended Pelvic Lymphadenectomy, PGIMER, Chandigarh; AIIMS, New Delhi; JIPMER, Pondicherry, AIIMS, Bhubaneshwar; AIIMS, Jodhpur; AIIMS, Rishikesh
7. Neutrophil lymphocyte ratio as a predictor of acute abdomen in patients presenting with acute abdominal pain to the emergency department: a prospective observational study, Emergency Medicine, AIIMS, New Delhi
8. Proteomic- based Outcome Biomarker Exploration in ESKAPE organism sepsis in major burns(PROBESCAPE, Plastic, Reconstructive & Burns Surgery, AIIMS, New Delhi

Completed

1. A Randomized controlled trial on efficacy of single dose of intraoperative dexamethasone in reducing postoperative pain in caesarean section, Department of Obstetrics and Gynaecology, AIIMS, New Delhi

2. Ambispective cohort study to evaluate the effect of Supraglottoplasty on Tracheomalacia in pediatric patients with Congenital Laryngotracheomalacia, Department of Otolaryngology and Head and neck surgery, AIIMS, New Delhi
3. Anatomical evaluation of spread in costotransverse foramen block at thoracic level by Computed Tomography imaging: A cadaveric study, Forensic medicine& Toxicology and Radiology, AIIMS, New Delhi
4. Comparison of analgesic efficacy of ropivacaine and levobupivacaine in labor analgesia by dural puncture epidural technique- a prospective double-blinded randomized trial, Department of Obstetrics & Gynecology, AIIMS, New Delhi
5. Determination of duration of vecuronium and isoflurane in type 2 diabetic patients with diabetes with and without cardiac autonomic neuropathy, Department of Physiology, AIIMS, New Delhi
6. Microscopic analysis of Crystallization of clinically used local anaesthetic mixture when combined with dexamethasone and dexmedetomidine, Department of Biochemistry, AIIMS, New Delhi
7. Molecular detection of legionella pneumophila by real time PCR and characterization of isolates by sequence-based typing, Department of Microbiology, AIIMS, New Delhi
8. Randomized controlled trail to compare time to endotracheal intubation by novice anaaesthesiologists hen performed by direct laryngoscopy without verbal video laryngoscope feedback to direct laryngoscopy with verbal video laryngoscope feedback, Department of Radiology, AIIMS, New Delhi
9. Randomized controlled trial to compare dexamethasone and clonidine in ultrasound stellate ganglion nerve block parameters of NRS and vascular dynamics, Department of Physiology, AIIMS, New Delhi
10. RCT to compare efficacy of ropivacaine dexamethasone combination to pulsed radiofrequency of superior hypogastric plexus in chronic pelvic pain patients, Department of Obstetrics & Gynecology, AIIMS, New Delhi
11. To compare the speed of intravenous induction of anesthesia using ketamine in pediatric patients with and without congenital heart disease, Cardiac anaesthesia, CNC, AIIMS, New Delhi
12. Use of pulsated electro-magnetic fields (PEMF) as an adjunct for treatment of chronic back pain: a prospective randomized study, Department of Orthopedics, AIIMS, New Delhi
13. UV radiation to decontamination of mobile phones of Health care workers at a tertiary care hospital, Department of Microbiology, AIIMS, New Delhi

RESEARCH PROJECTS OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	15	20	21
Total funding (Lakhs)	Rs 274.8	Rs 761.7	Rs 647.76

PUBLICATIONS

Total Publications: 149;

Journals: 113 Abstracts: 19 Chapters in Books: 15 Books & Monographs: 2

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024–2025
Total	190	148	149
Journal articles	141	122	113
Abstracts	16	07	19
Chapters in books	30	18	15
Books	3	1	2

Patient Care

a) Facilities available in the department

We are providing anaesthesia services in approximately 45 operation theatres for various surgical specialties like ENT, GI Surgery, Surgery Block, BPS block, Urosurgery, Dental surgery etc. We also provide anaesthesia services at various peripheral locations like CT, MRI, DSA etc. The department also runs specialty clinic namely PAC clinic, Pain clinic along with OPD based pain interventions. Critical care services are also catered by department under various ICUs like AB8 ICU, BPS ICU and surgery block ICU

b) Community services/camps etc.

- CPR training of coast guards at Lakshadweep conducted from 30 April-2 May 2024
- CPR training of BSF persons at Anini, Arunachal Pradesh form 8-11 May 2024
- Medical Camp at Ladakh by Ashoka Mission from 16-21 September 2024.

Specialty/Service	2022–23	2023–24	2024–25
GI Surgery	571	925	1063
Urology	1360	1936	1905
ENT	1357	2205	2304
Dental Surgery (CDER)	704	704	872
Orthopaedics (Major & minor Cases)	6746	6623	6544
Ophthalmic Surgery (RPC)	8113	9440	8686
Routine + EUA Cases	—	7728	7022
• Emergency Cases	—	1236	1245
• MAC Cases	—	246	157
PAC Clinic	19509	20981	18057
Peripheral Services			
• Endoscopy	—	1592	1549
• MECT	—	1984	2472
• MRI	—	544	488
• CT	—	477	384
• DSA	—	234	209
• RFA	—	34	43
AB8 Recovery			
• Cases	3741	2208	1956
• Calls	1660	1865	1726
ICU - AB8			
• New Admissions	683	682	476
• Discharged Patients	—	512	338
• Expired	—	170	146
SB ICU			
Patient carried forward from last year		58	74

Specialty/Service	2022–23	2023–24	2024–25
Transfer in patient	230	598	709
Total cases expired		146	186
Transfer out patient		463	508
BPS ICU 5th floor			
Patient shifted from last month		127	13
Total new admission / transfer in patients	905	908	768
Total cases discharged/ transfer out		535	629
Total cases expired		246	152
BPS ICU 6th floor			
Patient shifted from last month		138	07
Total new admission / transfer in patients		1033	754
Total cases discharged/ transfer out		893	759
Total Cases Expired		16	02
Surgery Block (Total Cases)	3546	5642	6628
• Routine	—	4526	5206
• Emergency	—	1116	1412
Mother & Child Block			
Gynecology			2302
IVF OT			779
Maternity OT			2507
Other cases at AB8 OT			47
Pediatric Surgery (Total cases)			2669
Pediatric Surgery (Routine cases)			2027
Pediatric Surgery (Emergency cases)			642
Burn & Plastic Block OT (Total)	2033	2507	2646
• GA Cases	—	1746	1798
• GA/Block	—	129	106
• Regional	—	315	178
• Sedation	—	14	08
• Emergency	—	303	556
Pain OT	377	584	784
Pain Clinic (New + FU)		3878	6174
• New	—	897	1222
• Follow-up	—	2981	4952
• OPD Interventions	—	813	1074

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Awards won by the residents of the department

Paper/Poster Awards (National)- 29

Paper/Poster Awards (International)- 5

Quiz (National)- 5

Professor Ganga Prasad was Administrative incharge of clinical services till August 2024 in anaesthesia and critical care at JPN trauma centre, AIIMS, New Delhi. He became a Member of bureau of Indian standard (BIS) for anaesthesia equipment's, New Delhi. He was the Faculty coordinator of central workshop, AIIMS, New Delhi. He was the Chairperson of session on "MPGPS in various institute of national importance and central govt institute" in National Guidelines on Oxygen Management; Launch of National Capacity Building Programme on Oxygen Management held on 27 March 2025 in set facility at AIIMS, New Delhi. He was the Chairperson of monthly meeting of Indian society of anesthesiologists Delhi chapter meeting held at AIIMS new Delhi on 28 January 2025. He was the Judge of best paper competition in 63rd Annual Conference of Indian Society of Anesthesiologists Delhi Branch- ISACON Delhi, held at Hyatt centric, Janakpuri, New Delhi on 28 September 2024. He was the Chairperson for session titled "Technology presentation by lead industrial partner" in 1st International Conference on Innovations and Technology in Anaesthesia & Critical Care and Annual central Zone Conference of the Indian Society of Anesthesiologists on 26 October 2024 at Orchha Palace and Convention Centre, Orchha, Jhansi Uttar Pradesh. He was Chaired a session on "paediatric resuscitation" in Paediatric perioperative cardiac arrest (P- POCA); held on 22 March 2024. He was the Chairman of B.Sc (OT technology) course committee at AIIMS, New Delhi; He was the Chairman of DPC committee for central workshop, AIIMS, New Delhi. He was the Thesis Examiner for MD Anaesthesiology in Delhi University, New Delhi; He was the Subject expert for promotion in Delhi University, New Delhi in March 2024. He was the Organising Chairperson of Recent advances 8th ultrasound guided regional Anaesthesia cadaveric workshop, at AIIMS new Delhi on 24-25 February 2024. He was the Jury for session titled "National Innovation Award" in *1st International Conference on Innovations and Technology in Anaesthesia & Critical Care* and *Annual central Zone Conference of the Indian Society of Anaesthesiologists.* 6-27 October 2024 at Orchha Palace and Convention Centre, Orchha, Jhansi Uttar Pradesh.

Professor Vimi Rewari was the Chairperson at the Free paper session at 3rd ISA DELHI YUVACON on 6th April 2024 at Maulana Azad Medical College (MAMC), New Delhi. She was the Panelist in Panel discussion: A case-based approach to Perioperative Fluid Therapy at the Symposium: Fluid therapy in perioperative & critical Care held on 28 April 2024 at AIIMS SET Facility. She was the Panelist in Panel discussion: Pregnancy with H1N1 ARDS presentations at the Recent Advances in Critical Care" {RACC-2024} conference held on 25 August 2024 at AIIMS, New Delhi. She was the Judge in e Poster presentation at the 5th International & 15th National Conference of Indian College of Anaesthesiologist (ICACON) held at King George's Medical College and Hotel Holiday Inn, Lucknow on 14th September 2024. She was External expert for DM Critical Care Curriculum Development Workshop at BPKIHS, Dharan, Nepal on 22-23 September 2024. She was the Judge in competitive paper presentation 63rd Annual Conference of Indian Society of Anesthesiologists Delhi Branch – ISACON Delhi held at Hyatt Centric Janakpuri, New Delhi on 28 September 2024. She was the Chairperson for the CME Session: Striking a balance with advancements at the 71st Annual Conference of the Indian Society of Anaesthesiologists, ISACON 2024 held at Samrat Ashoka Convention Centre, Patna on 21st November 2024. She was Critical care expert for the DNB (Critical Care Medicine) Preparatory Course held at Ganga Ram Hospital, New Delhi on 22 February 2025. She did Workshop on Simulation in Anaesthesia at 5th International & 15th National Conference of Indian College of Anaesthesiologist (ICACON) held at King George's Medical College and Hotel Holiday Inn, Lucknow on 13 September 2024. She did Workshop on "POCUS in critical care" as a part of the Critical Care Update Conference and Workshop organized by Department of Anaesthesiology, Critical Care and Pain Management, Government Medical College, Srinagar, Kashmir on 15 October 2024.

Professor Vanalal Darlong was underwent a short-term training in acute and chronic pain Procedures 1 April to 14 April 2024 Tokyo University and Kobe university in Kobe Japan.

Professor Jyotsna Punj attended Training in Pain Procedures at Tokyo Medical University and Kobe Medical University in Japan. She was the Associate editor of IJPUT (International Journal of Perioperative Ultrasound & Applied Technologies). She was the member of the Editorial board of the Russian Journal of Obstetrics, the Annals of Critical Care, Journal of Anesthesiology and Clinical Pharmacology, Indian Journal of Anesthesia, Saudi Medical journal, BMJ open, International Journal of Pediatrics and the SOJ Anesthesiology & Pain Management. She is the member of Evaluation of thesis from Jammu University.

Professor Ravinder Kumar Pandey continued as Editor in chief of international journal of perioperative ultrasound and applied techniques (IJPUT) since 2014. He was the Editor in Chief of International Indexed Journal of Perioperative

Ultrasound and Applied Techniques (IJPUT) since 2014. He was Reviewer of Pub Med Indexed Journals, JCA, JOACP, IJA, Journal of Medical Care Report, BMJ (open), Associate editor of Journal of National Board and ICA.

Professor Anjolie Chhabra was a visiting Professor of the Department of Anesthesia and Pain Medicine, Sick Kids, The Hospital for Sick Children, Toronto for a period of one year from July 2024.

Professor Puneet Khanna received award to present paper in KSCCM-ACCC 2024 Seoul, Korea, 25-26 April 2024. He submitted Best 5 Papers in EUROMED 2024 Marrakech, Morocco, 15-18 May 2024. He won 1000 SGD to present paper in APICS 2024, Singapore, 17-19 August 2024. He was the Chief Editor ISA Newsletter (10 issues)- 2024. He did Technical Evaluation for the 150-bedded critical block- NEIGRIHMS, Shillong. -16 July 2024. He did Inspection and evaluation of Babu Jag Jeevan Ram Memorial Hospital, Delhi-30 August 2024. He had ESICM Membership – 2024-2025, IARS Membership -2024-2025. He has ACADEMIC ACTIVITY. He was a member of the Organizing committee ISA YUVACON -7 April 2024. He was a member of the Organizing committee ISA Delhi Annual -2024. He was a member of the Selection committee experts for MSR, CBME, IIT DELHI, 11 December 2024, Capacity Building of Doctors and Hospital Engineers in Structural and Non-Structural Mitigation. He had Measures for Hospital Safety and Disaster Resilience and Standing Expert Committee of develop a detailed National Strategy and action plan minimizing drug overdose deaths. He was MD THESIS- PGIMER Chandigarh, GMC, Chandigarh.

Professor Bikash Ranjan Ray received Best Oral Presentation International 2024 Second Prize – SECC 2024 Taipei. He also received the Beat Oral Paper International 2024 1st Runners UP best Paper – APICS 2024 Singapore. He received award from Education Grant International 2024 APICS 2024 Singapore. He received Travel Award International 2024 "Korean Society of Critical Care Medicine" for 3rd KSCCM – TSCCM. He was the member of the Joint Congress, Seoul, South Korea. He received award from International Travel Support National 2024 Department of Science and Technology (DST) for paper presentation at SSAI-2024 conference at Oulu, Finland. He received Symposium/Conference Award National 2024 DST For AIIMS-RACC Conference.

Professor Debesh Bhoi was the Recipient of Asian society of Paediatric Anaesthesiologists travel grant at Kuching, Sarawak, Malaysia, (ASPA Travel Grant 2024).

Dr Shailendra Kumar was Nominated by Director for medical camp at Lakswadeep and give CPR training to coast guards on 30 April–2 May 202. He was Nominated by Director to give CPR training to BSF persons at Anini, Arunachal Pradesh on 8 May- 11 May. He received Letter of Appreciation for training Coast guards at CRTC Centre, AIIMS, New Delhi by Principal Director, Indian coast guard Headquarters.He attended Medical Camp at Ladakh by Ashoka Mission on 16 September–21 September. He received Letter of Appreciation sent to Director AIIMS by MS, SNM Hospital, Leh for starting the service of Modified ECT therapy on 22 September. He received 2nd Prize in oral presentation to thesis paper titled *Comparison of the Effect of Ketofol and Ketodex as Procedural Sedation and Analgesia for Oocyte Retrieval During In Vitro Fertilization Procedures: A Randomized Controlled Pilot Study* in ISACON Delhi 2024. He Signed MoU with Indian Coast Guard to provide CPR training to Coast guards on 30 December 2024. He was Nominated by director to investigate poisoning case in Badhal village, Rajouri, J&K on 30 January-3 February 2025.

Dr Akhil Kant Singh was a Member of the National Expert Group of the National Capacity Building Programme for Medical and Nursing Officers on Medical Oxygen Management and Its Use in Tertiary Care Hospitals.

Dr Nishant Patel got Educational Reimbursement Award grant of (1000 SGD) at Asia Pacific Intensive Care Symposium (APICS 2024) Singapore. He was the Faculty in charge of Anaesthesia team of a case published in National newspapers (English and Hindi) - 4-month-old baby undergoes rare minimally invasive lung surgery at AIIMS TNN |16 March 2025, 07.38 PM IST. He was the Chief coordinator for Bronchoscopy, TCD, Pupillometry workshop in Recent Advances in Critical Care" {RACC-2024}. He was the Chairperson for Pro-Con Debate: Administration of 100% Oxygen should be norm during extubation at RSCAPCON Jodhpur 19 April 2024.

Dr Sulagna Bhattacharjee was Awarded Fellowship of French Institute of India, Government of France for Short research trip (medical) to France, in the field of hemodynamic monitoring. She visited the department of Intensive medicine and Versatile Resuscitation, Hospital Robert Debre, University Hospital, Reims, France. She was the Chairperson for Criticare Kochi on 8 March 2025 for Thematic session. She was the Chairperson for Pulmocrit 2025, AIIMS, New Delhi, 22 March 2025 at "Symposium of Critical Care". She was the Member of Editorial board of Critical Care Communications 2024-2025, a bimonthly publication by the Indian Society of Critical Care Medicine. She Received advanced training in extracorporeal membrane oxygenation (ECMO) techniques at 21st ECMO training course, Mumbai, Maharashtra by ECMO society of India.

Dr Mrityunjay Kumar was the Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) - Faculty & amp; Instructor. He was appointed as Assistant Editor- Journal of Anaesthesiology clinical pharmacology. He was Appointed as

Assistant Editor- The Indian Anaesthetist forum. He was Nominated as a National expert for Lifesaving Anaesthesia Skills (LSAS) for Comprehensive Emergency Obstetrics & amp; Neonatal Care (CEmONC); National Health Systems Resource Centre, MoHFW, Government of India. He was the member of the Critical care curriculum for medical officers (EmCrit), National Health Systems Resource Centre, MoHFW, Government of India. He was the member of The operational and technical guidelines on emergency care services at district hospital. He was Thesis examiner MD anaesthesia- Panjab University & amp; AIIMS Jodhpur. He was the Examiner- Life saving anaesthetic skills for emergency obstetrics care TN Govt. He played other significant roles in the conferences & amp; workshops. He attended 32nd Annual and 3rd International Conference of Research Society of Anaesthesiology and Clinical pharmacology. He Conducted PG Quiz as a quiz master. He Participated as faculty in the workshop on 'Literature search and test of significance' held during 19 to 21 April 2024 at Jodhpur. He Judged the posters for 'Usha Mehta award for cardiac anaesthesia. He was appointed as a moderator in 'the joint committee' in the 14th Annual Conference of Academy of Regional Anaesthesia of India held at Hyderabad from 22 to 25 August 2024. He joined As faculty; quiz master- recent advances in critical care (RACC) at AIIMS, New Delhi on 24-26 August 2024. He attended 25th Annual Conference of Rajasthan Society of Anaesthesiologists, RAJISACON at Jodhpur on 13 to 15 September 2024. Workshop on point of care Ultrasound. Also chaired a session, conducted preliminary & main quiz, and participated as Judge for Jaipur Anaesthesiologists. He received Academic Foundation (JAAF) Award 15th National Airway Conference 2024 held at AIIMS, Mangalgiri on 20 to 22 September 2024 Chaired a session on Paediatric Airway. He was Quiz master- ISA Delhi monthly clinical meet on 28 January 2025. He was Criticare 2025, 31st Annual National Conference of the Indian society of Critical Care. He was Chaired sessions on how to read a paper and neurocritical care Medicine held from 7 to 9 March 2025 at Kochi and Paediatric Perioperative Cardiac Arrest (P-POCA) held on 22 March 25 at AIIMS, New Delhi. He was the member of Workstation on neonatal resuscitation and arrythmia management. RSACPCON 25, 33 National & amp; 4th International Conference of Research Society of Anaesthesiology Clinical Pharmacology. Held at AIIMS, Bhatinda on 28 & amp; 29 March 2025. He attended Moderated a panel discussion on 'Piecing together logistics for acute pain services'. He was Peer reviewer for many journals including Abstracts of IARS, AUA and SOCCA Annual Meetings, Journal of Clinical Anesthesia, Journal of Intensive Care Medicine, Journal of ultrasound in medicine. Turkish Journal of Anaesthesiology Reanimation. International journal of critical illness & injury sciences, Clinical toxicology.

Dr Parin Lalwani was a Judge for E Poster session. Yuvacon MAMC Delhi 6 April 2024. Workshop Faculty in IDRA at SGRH Delhi on 7 July 2024. Workshop Faculty in e-FAST in SZ ISACON at Salem Tamil Nadu on18 July 2024. Workshop Faculty in Neonatal Airway (Fibreoptic intubation through SGD) NASCON 2024 21 July RML Delhi. Chairperson: Anesthesia and Urinary System NASCON at RML Hospital Delhi 27 July 2024. Workshop Faculty (ACLS to Nursing Delegates) in RACC 2024 24-26 August 2024 AIIMS, New Delhi. Workshop Faculty in Airway ultrasound at 5th International and 15th National Conference ICACON Lucknow 13 September 2024. Workshop Faculty at AURA 2024, 22 September (9th AIIMS USGRA Workshop) AIIMS Delhi. Workshop Faculty POCUS 27 September and Judge in Poster Presentation in 63rd Annual Conference ISACON 28 September 2024. Workshop Faculty 13-14 April 2024 at PURE 2024 Hyderabad.

Dr Anju Gupta received Padmakant Award for best paper in pediatric anesthesia in RSACPCON- March 2025. Best paper in Delhi ISA in Regional Anesthesia category (co-author) September 2024 E-poster (case series-faculty) second prize RSACPCON- March 2025. RSACPCON one minute challenge- Third prize.

Dr Kelika Prakash was Lead Coordinator for Nurses symposium on "Focus on infectious disease control" at Recent Advances in Critical Care 23/8/24: AIIMS New Delhi.

Dr Shreya Bharat Shah was Organizing Secretary of Paediatric Perioperative Cardiac Arrest (P-POCA) workshop held on 22 March 2024 at AIIMS, New Delhi. She was Instructor for the AHA accredited ACLS course. She Chaired a session on newer applications to neonates in Neonatal Anaesthesia Society conference (NASCON 2024) in July 2024 at New Delhi.

Dr Sana Yasmin Hussain was Chairperson in scientific session at AIM-P Interventional RF Pain Conference from 27-28 July 2024 at New Delhi. He was Nominated by AIIMS to conduct a training workshop on first aid and cardiopulmonary resuscitation for ITBP, CRPF jawans and medical officers posted at Anini, Dibang Valley, AP.

Dr Nitin Choudhary was Awarded Rajiv Gupta Young Anaesthesiologist Award At 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch. He was Awarded Suman award & Promilajeet Virk award at 33rd Annual National and 4 International Conference of the Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2024. He was Assistant editor in ISA Delhi Newsletter.

Dr Surabhi Gupta was the Chairperson: Thoracolumbar Fracture Spine for Segmental Spinal, Live Workshop at AIIMS, Rishikesh on 23 March 25. He was Moderator for session: Fluid resuscitation in Burns patients: NABICON 2025 (Annual Conference of National Academy of Burns – India) (13 February 25).

Dr Amit Kumar was the JUDGE in paper Presentation Yuvacon 2024 07 April 2024 New Delhi, India

Judge in paper Presentation ISACON 2024 28 September 2024 New Delhi, India.

Dr Swati Mehta was Conducted the first of its kind workshop on paediatric perioperative cardiac arrest (P-POCA) as Organising Co-Secretary for anaesthesia junior and senior residents in March 2025 at SET facility, AIIMS, Delhi. She Conducted a workshop for nursing professionals as part of conference- Recent Advances in Critical Care 2024 in August 2024 at SET facility, AIIMS, New Delhi. She was the Course co-ordinator for Airway workshop as a part of National Conference of Association of Indian Ophthalmic Anaesthesiologists held in September 2024 at PGIMER, Chandigarh. She Assisted in the conduct of ISA monthly meet conducted at AIIMS in January 2025.

Dr Dhruv Jain was Chairperson in scientific session at AIM-P Interventional RF Pain Conference from 27-28 July 2024 at New Delhi. He received Award for '2nd best paper in chronic pain' 41st ESRA Annual Congress, Prague, Czech Republic. He delivered a talk and conducted course on 'First Aid and Cardiopulmonary Resuscitation Course' for CRPF jawans and medical officers at Anini, Dibang Valley, Arunachal Pradesh from 8-11 May 2024.

Dr Sneha Singh was the Chairperson for e-paper presentation in YUVAISACON 2024- 3rd Annual National Conference of YUVA Indian Society of Anaesthesiologists Uttarakhand state chapter 3 August 2024. She was Actively involved in National programme for Prevention and Management of trauma and Burns injuries (NPPMT&BI) – Delivering lectures on Burns critical care in Advanced Emergency Burn Management Training for Doctors, Nurses and Dressers.

Dr Neha Pangasa was Anesthesia subject expert at NBE (National Board of Examinations). I make questions/OSCE for them every 6 months.

Dr Neha Garg Completed ACLS and BLS Course. She was Completed NABH Program of implementation for National Centre for Aging. She Conducted simulation scenario on ophthalmic emergencies in AIOA PGIMER, Chandigarh in September 2024, Chairperson in RASPCON at Jodhpur AIIMS in 2024. She was the Chairperson in ISACON 2024.

Dr Anshul Singh was US Patent Filing - USSN 19/117, 010 – Title *A Fluid Collection Device - Novel urine collection device: Patent filed for Arobag: modified Urine collection device*, on 30 March 2025.

9.2 Anatomy

Professor and Head

A Shariff

Professors

SB Ray	Rima Dada	Arundhati Sharma (Genetics)
Renu Dhingra	TC Nag (Electron Microscopy)	Ritu Sehgal
	Saroj Kaler	

Additional Professors

Tony George Jacob	Neerja Rani
Seema Singh	SC Yadav (Electron Microscopy)

Assistant Professors

Prabhakar Singh (Electron Microscopy)	Arthi Ganapathi

Assistant Processors (Contract)

Javed A Quadri	Dibakar Borthakhur
8 February 2025	11 February 2025

Jessy – 01 March 2025

Assistant Professor (end of contract)

Parul Kaushal-17 January 2025

Scientists

Prabhakar Tiwari	Manoj Kumar

HIGHLIGHTS

Education

The Department conducted a summer training program in electron microscopy from 15 May to 14 June 2024, which was attended by participants from different parts of India.

CMEs, /Workshops/Symposia/National and International conferences

Events organized/facilitated by the Department of Anatomy, AIIMS, New Delhi

1. National Workshop on Electron Tomography of Biological Specimens by Electron Microscope Facility, Department of Anatomy, 22 - 26 April 2024
2. Spine surgery cadaveric workshop by JPN Apex Trauma Centre**,** 28 August 2024
3. Cadaveric Endoscopic Spinal Surgery Workshop by Department of Orthopedics, 24 September 2024

4. Rhinoplasty workshop by Department of ENT on 13 October 2024
5. Lateral skull base dissection course by Department of ENT on 19 October 2024
6. National Training Program in Electron Microscopy for Scientific Investigators by Electron Microscope Facility, Department of Anatomy, 18 - 30 November 2024
7. Conference of the International Society for Fluoride Research (ISFR) by the Department of Anatomy from 12-14 November 2024
8. Robotic total knee replacement workshop by Department of Orthopedics, 24 November 2024
9. Cadaveric Workshop on Brachial Plexus and Peripheral Nerve Procedures by Neurosurgery, JPN Apex Trauma Centre**,** 4-5 December 2024
10. X International Conference of Physiotherapy with cadaveric workshop, Geriatric Medicine, 12-13 December 2024
11. The Anatomy Department provided fresh frozen cadavers to SET Facility for HUGO robotic cadaveric workshops

Lectures delivered at CMEs, National and International conferences.

Lectures delivered: 64

SB Ray: 2	**Rima Dada: 27**	**Arundhati Sharma: 2**
TC Nag: 4	**Ritu Sehgal: 2**	**Tony George Jacob: 17**
Neerja Rani: 1	**SC Yadav: 8**	**Arthi Ganapathi: 1**

SB Ray

1. Basic technique of Immunohistochemistry, National hands-on workshop on Immunohistochemistry – Basics and Beyond, 11 November 2024, Bhubaneswar
2. Expression of Connexin 43 gap junctions in the spinal cord of rats with sciatic nerve damage, 71 National Conference of Anatomical society of India, 22 November 2024, Amritsar

Rima Dada

1. Paternal factors embryo development. VI Annual Conference of Anatomical Society of Assam, 5 - 6 April 2024, Guwahati
2. Complex of lifestyle diseases: Role of Yoga in Health Promotion Disease prevention and management, VI Annual Conference of Anatomical Society of Assam, 5 - 6 April 2024, Guwahati
3. An Integrated Holistic approach to manage male infertility. Department of Kayachikitsa, 23 April 2024, New Delhi
4. Your Health- Your Choice, Educational program, 22 July 2024, New Delhi
5. Research Avenues in Molecular Biology, National Anatomy Conference “RRR”-”Anatomy-The Recent, Relevant & Research Based, 26-27 July 2024, New Delhi
6. Yoga to manage stress and anxiety in students for students**,** Educational program**,** 12 August 2024**,** New Delhi
7. Role of Yoga in Health Promotion, Disease Prevention and Management, Educational program, 12 August 2024, New Delhi
8. Sanskriti and Sanskaars, For medical students at White Collar ceremony, August 2024, New Delhi
9. Yoga- the only way OUT is IN, CME at Morarji Desai National Institute of Yoga, 10 September 2024, New Delhi
10. Menstruation and hygiene, AIWEFA workshops for girl-adolescents with Visual Impairment, Hearing Impairment, Intellectual Disabilities, Autism Spectrum Disorder and Specific Learning Disabilities, 17 September 2024, NOIDA
11. Introduction of the human reproductive system and its relation to body system and processes, Workshop on “Transition towards womanhood for girl-adolescents with disability, 28 September 2024, New Delhi

12. Live Longer Live healthier, World Anatomy Day, 15 October 2024, New Delhi
13. Your genes are not your destiny – your choices, XII Bihar Jharkhand State Chapter Conference of the Anatomical Society of India (BJASICON 2024), 19–20 October 2024, Jharkhand
14. Unexplained male infertility: Impact of lifestyle and an integrated approach to management, XII Bihar Jharkhand State Chapter Conference of the Anatomical Society of India (BJASICON 2024), 19–20 October 2024, Jharkhand
15. Introduction to Cytogenetics When and why?, XII Bihar Jharkhand State Chapter Conference of the Anatomical Society of India (BJASICON 2024), 19–20 October 2024, Jharkhand
16. Let's manage health-Yoga in disease prevention and health promotion, Foundation Day, 23 October 2024, Bhatinda
17. Introduction of the human reproductive system and its relation to body system and processes, Workshop on Transition Towards womanhood for girl-adolescents with disability, 5 November 2024, NOIDA
18. PCOS-a Complex Endocrinopathy, XXXV Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14–16 November 2024, Jaipur
19. Importance of Genetic Counseling and Testing in Medical Sciences, LXXI National Conference of Anatomical Society of India CME (NATCON-71), 21-22 November 2024, Amritsar
20. Talk on Yoga for specially abled children, Educational Program, 30 November 2024, New Delhi
21. Yoga n Molecular, clinical and metabolomic profile in women with PCOS, Annual meeting of endocrine society of India, 30 November 24, New Delhi
22. Yoga in cancer care, Scope, Evidence, and Evolution", XI National Conference on "Yoga in Cancer care: Scope, Evidence and Evolution", 4-7 December 2024, Pune
23. Lifestyle diseases from reproductive mental and physical health issues-Management, International Conference on Futuristic Approach for Vikstit Bharat (ICFAVB-2047, 23 and 24 December 2024, Dholpur
24. Keynote address on MNPs impact on sperm DNA health: Possible role in transgenerational inheritance", SPARC international Research Conclave: Beyond Microplastics: Research, Analysis and Innovation, 16–17 December 2024, Ooty,
25. Paternal origin on health and disease, Public Lecture, New Delhi
26. Study Avenues if you are not selected in MBBS in Training on Innovative Teaching Methodologies & Career Guidance, School branch Directorate of Education, 5 March 2025, New Delhi
27. Women in Science on International Women's Day, Rajasthan Science Congress meeting, 8 March 2025, New Delhi

Arundhati Sharma

1. Use of Next Gen sequencing in Rare Genetic Disorders for diagnostic and prognostic purposes, Genomics Analysis and Technology Conference (GATC) 2024. 14 April 2024, Delhi
2. FISH and its applications, Continued Education Program (CEP) Biodosimetry for medical management of Radiation Exigencies by DRDO (INMAS), 7 June 2024, Delhi, Online

TC Nag

1. Autophagosomes in aging human photoreceptor cell synapses, XLII Annual Meeting of EMSI, 17 May 2024, Mumbai
2. Photoreceptor cell loss is associated with Müller cell vulnerability in aging human retina, XXX Annual Meeting of Indian Eye Research Group and ARVO-INDIA 2024 Meeting, 27 September 2024, New Delhi
3. Principles and preparation of samples for electron microscopy, Workshop on NanoBio Lab Skills: Characterisation of Nanoparticles, 23 October 2024, Delhi
4. A presynaptic autophagic dysregulation that underlies photoreceptor cell vulnerability in aging human retina, XLII Annual Meeting of the Indian Academy of Neurosciences and International Conference on Brain: Chemistry to cognition, 14 November 2024, Bengaluru

Ritu Sehgal

1. How to frame MCQs, CMET Workshop for Senior Residents of AIIMS, 26 October 2024, New Delhi
2. How to frame MCQs, Faculty orientation program on Medical Education, Army College of Medical Sciences, New Delhi, 30 November 2024, New Delhi

Tony George Jacob

1. Bloom's taxonomy and educational domains. Basic Course Workshop in Medical Health Professions' Education. CMET, 29-31 August 2024, New Delhi.
2. Live cell imaging- Applications, Workshop on live cell imaging with Zeiss on Campus. CCRF, 4 September 2024, New Delhi.
3. Blended learning, AIIMS, New Delhi, Blended learning Technique training Workshop, SET Facility, 3-5 October 2024, New Delhi.
4. NNF-Project steering committee, PEP Grant- Phase 2- Excellence in Medical Education, 10, 11 October 2024, New Delhi
5. Communication skills, In-service training for Nursing Officers, 16 October 2024, New Delhi
6. Tools for Scientific Writing, 18 October 2024, MSc Nursing Course at CMETi, 18 October 2024, New Delhi
7. Communication skills, 19 October 2024. Foundation Course for MBBS students, 19 October 2024. New Delhi
8. Environment, Set, Dialogue, Conclusion: Principles of Microteaching, Workshop for Senior Residents. CMET, 19 October 2024, New Delhi
9. Communication and other soft skills, Nursing officers in service training, 22 October 2024, New Delhi
10. Structural and Functional Neural Connectivity Relevant to Neuromodulation, VIII National CME on Neuromodulation and 5th Hands-on Workshop; Centre for Advance Research and Excellence in Neuromodulation, Department of Psychiatry, 24 October 2024, New Delhi
11. Environment, Set, Dialogue, Conclusion: Principles of Microteaching, Workshop for Senior Residents. CMET, 9 November 2024, AIIMS, New Delhi
12. The penguin brain: a morphological and magnetic resonance imaging study, International Conference on Advances in Mechanisms and Approaches to Neuro-Therapeutics (AIM-AT) and XLII Annual Meeting of the Indian Academy of Neurosciences (IAN), 14 November 2024, Bengaluru
13. Constructed response questions, CMET Workshop in Evaluation in Medical Education, 21 November 2024, New Delhi
14. The neuron at the centre of all thought and action, International Brain Research Organisation Diversity Program: Think Forge 2024, 23 November 2024, Dharan, Nepal
15. Research methodology, statistics and microscopic morphometry, Continuing Medica l Education, 24 November 2024, Dharan, Nepal
16. Immunoelectron microscopy, XL National Training Program in electron microscopy for scientific investigators. 27 November 2024, Delhi
17. Curriculum design, Workshop for Senior Residents, CMET, 8 March 2025, New Delhi

Neerja Rani

1. Plasma-Derived sEVs and Their Proteomic Profile in Pancreatic Neuroendocrine Tumors (PanNET): Insights into Tumor Grade and Metastatic Potential. VESICON 2025 Indian Extracellular Vesicle Society (IEVS), 11 March 2025, Hyderabad

Subhash Chandra Yadav

1. *Nanotechnology-Based, Cost-Effective, and Simple Diagnostic Technology Platforms***,** XIII Asia Pacific Microscopy Congress 2025 (APMC13), 2-7 February 2025, Brisbane/ Australia

2. Visual, cost-effective, and simple diagnostic technology platforms for human disease based on Nanotechnology, International Conference on "Translational Trends in Natural and Health Sciences (TTNHS-2024), 4 - 6 December 2024, Bathinda
3. Effect of Ultra-Small Chitosan Nanoparticles Doped with Brimonidine on the Ultra-Structure of the Trabecular Meshwork of Glaucoma Patients**,** International PAMCP Conference 2024, 25-27 September 2024, Ajmer
4. Visual, rapid, and cost-effective BK virus detection system for renal transplanted patients using gold nanoparticle coupled loop-mediated isothermal amplification (nanoLAMP). International Conference on Electron Microscopy and XLII Annual Meeting of the Electron Microscope Society of India, 16-18 May 2024, Mumbai
5. Electron Microscopy in Pharmacology Research. LIV Annual Conference of the Indian Pharmacological Society (IPSCON-2024), 26-30 November 2024, New Delhi
6. (1) Advancement of Transmission Electron Microscopy for Biological Specimen Imaging: Room temperature to cryo-electron tomography. School on Microscopic Characterization Techniques, 9-12 December 2024, New Delhi (2) Sample preparation of biological specimens from room temperature to cryo-electron tomography. School on Microscopic Characterization Techniques, 9-12 December 2024, New Delhi
7. Nanotechnology-based, cost-effective, and simple diagnostic technology platforms. National Conference on Advanced Materials for Sensor for Society, 19 December 2024, New Delhi
8. Nanotechnology-based, cost-effective, and simple diagnostic technology platforms for rural India. University of Melbourne Symposium, 29 November 2024, New Delhi

Arthi Ganapathi

1. Artificial intelligence in medical education, LXX Annual National conference of association of Physiologists and Pharmacologists of India, 11 December 2024, Chennai

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
72	55	64

List of oral papers/posters presented: 44

1. Borthakur D, Kumar R, Namaschivayam GR, Ansari MA, Singh S, The Fibularis Quartus Muscle: A Cadaveric Case Report with Embryological, Molecular and Clinical Considerations, 21st Congress of the International Federation of Anatomists (IFAA), 5–8 September 2024, Gwangju, Korea
2. Chaudhary SJ, KR, Yadav SC, A Novel TEM-Based Ultrastructural Imaging Methodology for the Diagnosis of Respiratory Ciliary Disorders, 13th Asia Pacific Microscopy Congress 2025 (APMC13), 2-7 February 2025, Brisbane, Australia
3. Filgy G, Shivani, Razik A, Neerja R, Kshetrapal P, Dhingra R, Altered ADMA expression: Implications in Preeclampsia, Sri Gururam Das Institute of Medical Sciences & Research, 22-24 November 2024, Amritsar
4. Ganapathy A, Agrawal, D Ghatak S, Sridar P, Selavaraj S, Employing Artificial Intelligence for enhanced Anatomy Dissection and Surgical training, 21st Congress of the International Federation of Association of Anatomists, 8 September 2024, Gwangju, South Korea
5. Ganapathy A, Shariff A, Singh S, High-Precision 3D Printing of the Sphenoid Bone Using DICOM Data from Dry Bone Specimens, 3D Printing Workshop for Medical Devices, Simulation & Innovation Neuro-Engineering Workshop Series, 15 December 2024, New Delhi[2]
6. Gorai PK, AS S, Kanojia K, Pal S, Dhingra R, Kumar R, et al, Plasma sEV Filamin-A: A Potential Biomarker for Early Detection of Pancreatic Neuroendocrine Tumors, VESICON 2025: Indian Extracellular Vesicle Society (IEVS), 11-13 March 2025, Hyderabad
7. Gorai PK, Rastogi S, Singh S, Agarwal S, Pal S, Nag TC, et al, Exploring Plasma-Derived Small Extracellular Vesicles as Novel Biomarkers for Early-Stage Detection of Pancreatic Neuroendocrine Tumors, ISEV2024: International Society for Extracellular Vesicles, Annual Meeting 2024. 9-12 May 2024, Melbourne/Australia

8. Hanusun HH, Akhila MS, Ray SB, Evaluation of MIA induced knee joint dysfunction in rats, 77 Scientific meeting of Korean Pain Society, 25 May 2024, Gwangiu, South Korea

9. Jessy JP, Shivani, Khan TT, Sukanya, Razik A, George F, et al, Elevated POGZ Expression in Placental Cell Types: Potential Contribution to Preeclampsia, 72nd Annual Scientific Meeting of the Society for Reproductive Investigation (SRI), 25-29 March 2025, North Carolina, USA

10. Jessy JP, Shivani, Razik A, George F, Bhatla N and Dhingra R, POGZ expression in placentae: possible role in the etiopathogenesis in preeclampsia, Centre for Trophoblast Research (CTR) Annual Meeting, 1-2 July 2024, Cambridge

11. Kajol, Ray SB, Kaler S, A study on neuropathic pain in rats by partial sciatic nerve ligation, XLII Annual Meeting of the Indian Academy of Neurosciences (IAN). 13 November 2024, Bengaluru

12. Kamalesh S, Bishnoi M, Ray SB, Jhajhria SK, Ticagrelor Alleviates Neuropathic Pain: Insights from a Partial Sciatic Nerve Ligation Rat Model, IASP 2024 World Congress on Pain, 5–9 August 2024, Amsterdam

13. Kamalesh S, Ray SB, Bishnoi M, Neuropathic Pain Progression and Behavioral Manifestations, IASP 2024 World Congress on Pain, 5-9 August 2024, Amsterdam

14. Kumar P, Kumari J, Ankita, Sinha BP, Sharma B, Arya LK, et al, Quercetin role in tackling endothelial cell degeneration of retinal capillaries in DR XLII Annual Meeting of Indian Academy of Neurosciences, 14 November 2024, Bengaluru

15. Kumar P, Sharma MK, Mehdi I, Priyam K, Roy TS, Dastidar P, et al, Classification of mouse thalamic neurons using stereologic morphometric parameters, XLII Annual Meeting of the Indian Academy of Neurosciences (IAN). 13 November 2024, Bengaluru

16. Kumari D, 12-week Yoga Practice Effect On Hormonal Profile, Oxidative Stress and Inflammation In Polycystic Ovarian Syndrome (PCOS), American Society for Reproductive Medicine (ASRM), 2024, 19-23 October 2024, Denver

17. Kumari D, Impact of Yoga on Molecular, Metabolic, and Clinical Profile in Women with PCOS, 4th AIIMS Research Day, 2025, 29-30 January 2025, New Delhi

18. Kumari D, Kumar Y, Sharma HP, Malhotra N, Mahey R, Segal T, et al, Effect Of Structured Yoga On Metabolic, Hormonal, And Reproductive Health In PCOS, 35th Annual meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF 2025), 14 February 2025, Rajasthan[1]

19. Kumari D, Malhotra N, Mahey R, Sehgal T, Dada R, Impact of Yoga Therapy On Psychosocial, Lipid, And Hormonal Parameters in Women with PCOS, International Conference on Psychosocial Challenges Among Women with PCOS 2025, 26 to 28 February 2025, Bombay[1]

20. Manoj Kumar, Prabhakar Tiwari, Kuldeep Mohanti, Rima Dada, Tanuj Dada. Effect of Mindfulness Meditation on IOP, Gene Expression, and Mitochondrial Markers in Primary Open-Angle Glaucoma (POAG), 49th Annual Meeting of Indian Society of Human Genetics (ISHG 2025) and International Conclave on Neurogenesis, 20 to 22 January 2025, Bengaluru

21. Pooja, Gupta, D Birla, S Venugopal, R Gupta, D Agarwal, et al, A Utility of Artificial Intelligence-based methods in severity prediction of Stevens-Johnson Syndrome, 4th Research Day of AIIMS, 28 January 2025, New Delhi

22. Pooja, Venugopal, Dasgupta R, Agarwal A, Sharma T, Sharma A, Comparative analysis of ocular surface parameters in Steven-Johnson syndrome and dry eye diseases eyes using ocular surface analyser (OSA), 4th Research Day of AIIMS, 28 January 2025, New Delhi

23. Raman S, Tanwar P, Bhatla N, Yadav SC, Estimation of HPV16-induced cervical cancer cells in routine Thin-prep cytology samples of cancer patients, American Association for Cancer Research special conference on "Liquid Biopsy: From Discovery to Clinical Implementation, 13-16 November 2024, San Diego, CA, USA

24. Sharma B, Jacob TG, Jain S, Dada R, Yadav SC, Singh P, Nag TC. Implications of microglial activation and mast cell degranulation on age-related choroidal degeneration, BIOPHYSIKA-2024: National Conference on Interdisciplinary Sciences, 21 November 2024, New Delhi

25. Sharma B, Nag TC, Jacob TG, Jain S, Dada R, Yadav SC, Impact of immunocompetent cells in regulating age-related choroidal capillary changes in rat, 30th Annual Meeting of Indian Eye Research Group and ARVO-INDIA 2024 Meeting, 29 September 2024, New Delhi

26. Sharma B, Nag TC, Jacob TG, Jain S, Dada R, Yadav SC, et al, Role of immunocompetent cells in degenerative changes of aging choroidal capillaries, XLII Annual Meeting of Indian Academy of Neurosciences, 14 November 2024, Bengaluru

27. Sharma S, Jain S, Nag TC, Singh Seema, Radhakrishnan D, Chaudhry R, et al, Probiotics and rTMS synergistically alleviate cognitive and motor functions in 6-OHDA PD rats, Neuroscience, SfN, 7 October 2024, Chicago

28. Sharma S, Jangra S, Chittora R, Jain S, Chaudhry R, Das S, et al, Synergistic Effects of probiotics and rTMS on cognitive and motor function in 6-OHDA PD rats, 4th AIIMS Research Day, 30 January 2025, New Delhi

29. Sharma S, Kochhar KP, Chaudhry R, Jain S, Ahuja V, Nag TC, Singh S, Elavarasi, Pandey S, Das S, Sunil, Chittora R, Bamola VD. Probiotics modulation of gut microbiota for improved cognitive and motor function in Parkinson's disease, 15th India probiotic symposiumcelebrating the science of gut microbiota and probiotics, 22 February 2025, Chandigarh

30. Sharma Y, Sharma B, Nag TC, Singh P, Role of glia in amyloid beta-induced cholinergic degeneration in the rat brain, International Conference on Advances in Mechanisms and Approaches to neuro-Therapeutics (AIM-AT) & XLII Annual Meeting of Indian Academy of Neurosciences, 12-14 November 2024, Bengaluru,

31. Shivani, A Razik, Babita, A Katiyar, S DChoudhary, Pa Tailor, F George, Jessy J P, N Bhatla, P Kshetrapal Dhingra R, Does Cystathionine Gamma-Lyase influence the expression of High-Temperature Requirement Serine Peptidase 1 (HtrA1) in trophoblast cells: potential link towards the pathogenesis of preeclampsia?, Placental Biology Course 2024 Organizers: The Loke Centre for Trophoblast Research, University of Cambridge, Microsoft teams PHYSI_Placental Biology Course, 9-13 September 2024

32. Shivani, Filgy G, Jessy JP, S Abhay, DC M, Tailor P, et al, PRMT1 and CSE Expression Dynamics in Early and Late onset preeclampsia: Effects of Hypoxia-Reoxygenation and H2S Modulation, 5th Science Conclave Cum National Biomedical Research Competition Organizers: All India Institute of Medical Sciences, New Delhi SCMM, Jawarharlal Nehru University, New Delhi Society of Young Biomedical Sciences (SYBS), India, All India Institute of Medical Sciences, New Delhi, 1-3 December 2024

33. Shivani, Filgy G, Jessy JP, Amal Razik, Neerja Rani, Neerja Bhatla, et al, Increased expression of PRMT1 in human placenta A potential indicator for preeclampsia, Centre for Trophoblast Research (CTR) Annual Meeting Organizers: Centre for Trophoblast Research, University of Cambridge, Churchill College, University of Cambridge, 1-2 July 2024

34. Shivani, Khan TT, Sukanya, JP Jessy, George F, Razik A, et al, SMARCE1 Differential Expression in Preeclampsia Subtypes with Early and Late Onset: Implications for their Etiopathogenesis? 72nd Annual Scientific Meeting of the Society for Reproductive Investigation (SRI), 25-29 March 2025, Carolina, USA

35. Singh J, Birla S, Kaginalkar A, Gupta D, Vanathi M, Gupta N, et al, A pilot study on the use of artificial intelligence in differentiating developmental variants of anterior segment dysgenesis presenting with infantile corneal opacities, 4th Research Day of AIIMS, 28 January 2025, New Delhi

36. Singh R, Sharma N, Singh J, Kumar P, Tyagi H, Sarkar S, et al, A preliminary study exploring the association of inflammatory serotonin and BDNF markers with major depressive disorders, 4th Research Day of AIIMS, 28 January 2025, New Delhi

37. Sinha A, Kumari J, Sinha BP, Mohan N, Sharma B, Arya LK, et al, TUDCA's impact on oxidative stress and microglia distribution in DR, 30th Annual Meeting of Indian Eye Research Group and ARVO-INDIA 2024 Meeting, 27 September 2024, New Delhi

38. Surabhi AS, Gorai PK, Naik MG, Nag TC, Pal S, Dhingra R, et al, Circulating small extracellular vesicular cargo as potential marker for metastatic pancreatic neuroendocrine tumors, VESICON 2025: Indian Extracellular Vesicle Society (IEVS), 11-13 March 2025, Hyderabad, India

39. Tiwari P, Kaushik M, Yadav A, Gupta A, Tripathi M, Dada R et al, Comprehensive Metabolomics Profiling Identifies Novel Biomarkers and Pathways for Early Detection and Mechanistic Insights in Alzheimer's Disease, International Conference on Metabolomics and Lipidomics 2025, 25 to 26 February 2025, Mumbai

40. Tiwari P, Kaushik M, Yadav A, Gupta A, Tripathi M, Dada R, Comprehensive Profiling of Neurodegenerative and Inflammatory Biomarkers in Alzheimer's Disease: Insights for Early Diagnosis and Targeted Therapy, 49th Annual Meeting of ISHG-2025, 20-22 January 2025, Bangalore

41. Yadav A, Kumar R, Tiwari P, Kaushik M, Luthra K, Dada R, Yoga-Primed Serum: A Novel Approach to Reducing Cancer Susceptibility in Infertile Men, 4th AIIMS Research Day, 29-30 January 2025, New Delhi

42. Yadav A, Kumar R, Tiwari P, Luthra K, Dada R, Exploring Yoga's Impact: Mitigating Cancer Susceptibility in Infertile Men through Yoga-Primed Serum, 35th Annual Meeting of the Indian Society for the Study of Reproduction Fertility (ISSRF 2025), 14 - 16 February 2025, Jaipur
43. Yadav A, Tiwari P, Kaushik M, Luthra K, Kumar R, et al, Impact of Yoga-Primed Serum on Cancer Cell Behavior: A Study in a Male Infertile Cohort, Joint Congress of the American Society of Andrology & International Congress of Andrology (ASA&ICA), 29 March-1 April 2025, Washington DC, USA
44. Yadav A, Tiwari P, Luthra K, Kumar R, Dada R*, Impact of Yoga-primed serum from infertile men on Prostate cancer cell characteristics, 13th European Congress of Andrology, European Academy of Andrology, 4-9 September 2025, Stockholm, Sweden

[1] Best Poster Award

[2] Third position in poster presentation

LIST OF ORAL PAPERS/POSTERS OVER PAST 3 YEARS

Presentation	2022-2023	2023-2024	2024-2025
Oral/posters	50	50	44

RESEARCH

Funded projects

Ongoing

1. A multi-omics study for novel biomarkers in exosomes of pancreatic neuroendocrine tumors patients, Neerja Rani, DST, 3 Years, 2025-2028, Rs 59.37 Lakhs
2. A quick and cost-effective nanotechnology-based visual detection of HPV induced cervical cancer: an alternative of Immunofluorescence detection, Dr. Subhash Chandra Yadav, ANRF (SERB), 3 Years, 2024-2027, Rs 55.0 Lakhs
3. An experimental study to understand the mechanisms of choroidal capillary death in aging eye with emphasis on involvement of macrophages and other immunocompetent cells, TC Nag, ICMR, 3 Years, 2021-2024, Rs 37.0 Lakhs
4. Cisplatin-encapsulated HPV virion-based targeted delivery vehicle validation on cervicectomy samples using high-resolution Cryo-Electron Tomography, Subhash C Yadav, ICMR, 3 Years, 2024-2027, Rs 97.54 Lakhs
5. Cryo-Electron Microscope Imaging facility for biological specimens (Cells and Tissue), Subhash C Yadav, DBT, 5 Years, 2021-2026, Rs 2400 Lakhs
6. Development of artificial intelligence-based models for prediction of self-harm amongst the patients of depression, Arundhati Sharma, ICMR, 3 Year 2023-2026, 50 Lakhs
7. Effect of transplantation of lentivirus mediated genetically engineered mesenchymal stem cells into monocrotaline-induced pulmonary hypertensive rats: validation by Next Generation Sequencing, Prabhakar Singh, AIIMS, 2 Years, 2024-2026, Rs 10 Lakhs
8. Effect of yoga on visual function, biomarkers of cellular aging and mitochondrial copy number inLeber hereditary optic neuropathy (LHON) patients, Rima Dada, ICMR, 3 Years, 2021-2024, Rs 30 Lakhs
9. Effects of maternal chronic intermittent hypoxia on the cholinergic system and cognitive function of offspring in rat, Prabhakar Singh, DST, 3 Years, 2023-2026, Rs 80 Lakhs
10. Elucidating the role of molecular signatures with Yoga therapy in Diabetes, Rima Dada, DHR, 3 Years, 2023-2026, Rs 72 Lakhs
11. Evaluating the Impact of Yoga Intervention on miRNA Modulations and Reduction of Cognitive Impairment in Alzheimer's Disease: A Pilot Study (AECIPN-AIIMS-2024-275), Prabhakar, AIIMS, 2 Years, 2023-2025, Rs 10 Lakhs
12. Expression patterns of melatonin receptors MTI and MT2 in oesophageal cancer, Arthi G, IRG, 1 Year, 2023-2025, Rs 5 Lakhs

13. Fluorosis mitigation in a community of Bihar through intervention and counseling, A Shariff, DST, 4 Years, 2020-2024, Rs 152.76 Lakhs
14. "Impact of Yoga and Meditation on mitochondrial health, Telomere length and differentially expressed miRNA in POAG", Manoj, AIIMS, 2 Years, 2025-2027, Rs 10 Lakhs
15. Impact of Yoga basedYoga-based lifestyle intervention on polycystic ovarian syndrome (PCOS), Rima Dada, AYUSH, 3 Years, 2023-2026, Rs 61 Lakhs
16. Molecular profiling in Retinoblastoma using cell free DNA from aqueous humor, Arundhati Sharma, IRG, 2 Years, 2023-2025, Rs 10 Lakhs
17. National Networking Program for Artificial Intelligence basedIntelligence-based methods for healthcare data, Arundhati Sharma, DBT, 5 Years, 2023-2028, Rs 186.19 Lakhs
18. SMARCE1 mediated mechanisms of transcriptional modulation in trophoblast cell invasion during placentation and their status in preeclampsia, Renu Dhingra, ICMR, 3 Years, 2023-2026, Rs 40 Lakhs
19. The Impact of Yoga Intervention on Blood-Based Biomarkers, Epigenetic Modifications, and Immune System Dysregulation in Alzheimer's Disease: A pilot study, Prabhakar Tiwari, AIIMS-THSTI, 2 Years, 2024-2026, Rs 10 Lakhs
20. To study the effect of Yoga on DNA methylation alterations of imprinted genes and key genes of developmental importance in idiopathic recurrent pregnancy following spontaneous or assisted conception, Rima Dada, ICMR, 3 Years, 2022-2025, Rs 85 Lakhs
21. To study the role of cholinergic transmission on the amyloid beta inducedbeta-induced neurodegeneration, Prabhakar Singh, ICMR, 3 Years, 2023-2026, Rs 30 Lakhs
22. Unraveling the Biological Age Signature through the Epigenome (BASE): Identifying and Developing Innovative Precision Therapeutics in Temporal Lobe Epilepsy. Grant received from ICMR small extramural proposal as a Co-PI for 3 years (IIRPSG-2024-01-00204). Prabhakar, ICMR, 3 years, 2024-2027, Rs 82.41 Lakhs
23. Utility of Artificial Intelligence in differentiating, thyroid malignant lesions, Arundhati Sharma, DBT, 3 Years, 2020-2024, Rs 74.16 Lakhs

Completed

1. Effect of yoga on spermatozoa transcripts and miRNA expression in idiopathic infertility and early pregnancy loss, Rima Dada, SATYAM, 3 Years, 2020-2023, Rs 55 Lakhs
2. Effect of yoga on visual function, biomarkers of cellular aging and mitochondrial copy number in Leber hereditary optic neuropathy (LHON) patients, Rima Dada, ICMR, 3 Years, 2022-2025, Rs 30 Lakhs,
3. Establishment of Laser Confocal Microscope Facility for biomedical live cell Imaging and for nano-particulate drug delivery. Dr. Subhash Chandra Yadav, DST, 5 Years, 2018-2024, Rs 165 Lakhs
4. External delivery of Cisplatin using Human Papilloma Virus (HPV 16) based nanocarriers for treatment of cervical cancer. Dr. Subhash Chandra Yadav, DHR, 3 Years, 2021-2024, Rs 30 Lakhs
5. Investigation of Changes in Peripheral and Central Nervous System in An Experimental Model of Chronic Pancreatitis in Mice, Tony George Jacob, ICMR, 3 Years, 2019-2024, Rs 31 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Morphological Study of Human Temporomandibular Joint Articular Disc
2. A Study on Hydrogen Sulphide Mediated Transcriptional Modulation in Trophoblast Cells and their Association with Preeclampsia
3. Age-related morphological and neurochemical changes in glutamatergic neurons of the human inferior colliculus.
4. An experimental study to understand the mechanisms of choroidal capillary death in aging eye with emphasis on involvement of macrophages and other immunocompetent cells. Analysis of fourier transform infrared spectroscopy in pancreatic neuroendocrine tumor patients

5. An investigation into the status of expression of sensors of unfolded protein response in rat retina due to iron accumulation.
6. Assessment of the expression of BDNF, NT3 and their receptors TrkB and TrkC in the adult human inferior colliculus
7. Effect of continuous light exposure on the expression of NMDA receptors in rat retina
8. Effect of yoga on aging and functional decline
9. Expression of SMARCE1 (BAF 57) in blood and placentae of patients with pre-eclampsia.
10. Expression profile of novel proteins in blood of pancreatic neuroendocrine tumor patients
11. Genetic and epigenetic profiling in patients of Anterior Pituitary Adenoma
12. Genetic and epigenetic profiling in patients with opioid dependence
13. Genetic screening of patients with MEN2 syndrome
14. Identification and evaluation of novel proteins, inhibitors of apoptotic proteins and exosomes in cases of pancreatic neuroendocrine tumors, Impact of yoga intervention on progression of CKD
15. Impact of yoga on Alzheimer disease
16. Impact of Yoga on obesity
17. Meditation based stress reduction: Is it therapeutic for Primary Open Angle Glaucoma (POAG)
18. Molecular profiling using cell DNA in aqueous humor of retinoblastoma patients
19. Molecular studies in Fibromyalgia
20. Morphology of human knee joint synovium at injection sites in different age groups.
21. Polycystic Ovarian Disease – Impact of Yoga, Role of SMARCE1/ BAF57 in Migration and Invasion Ability of HTR8/SVneo Trophoblast Cell Line
22. Role of spinal cord microglial P2Y12 receptor in murine model of neuropathic pain
23. Study of the age-related changes in axonal cytoskeleton of the rat optic nerve
24. Study on the association of Polymorphism, Methylation and Expression status of Monoamine Pathway genes with Alcohol Dependence
25. The effect of binge alcohol consumption on myelination in the grey matter of the prefrontal cortex of adolescent rats
26. To study Gene expression, epigenetic alterations, Oxidative DNA damage in infertile men after Yoga Intervention and to analyse effect of their surum on Cancer Cell lines
27. To study the effect of prophylactic administration of garlic on the severity of experimental severe acute pancreatitis induced by L-arginine in mice

Completed

1. A histo-morphometric study of the anterior Cruciate ligament and Tendons around the Knee joint.
2. An experimental study to understand the mechanisms of choroidal capillary death in aging eye with emphasis on involvement of macrophages and other immunocompetent cells.
3. An In Vitro Study Of Cse & Htra1 In Trophoblastic Cell Invasion
4. Effect of garlic (Allium sativum L) extract on mice models of chronic pancreatitis.
5. Effect of hydrogen sulphide on protein arginine methyl transferase -1 (PRMT-1) signalling on trophoblastic cells and its association with preeclampsia
6. Evaluation of expression of Cystathionine Gamma Lyase (CSE) and High Temperature requirement (HtrA1) in preeclampsia and their association
7. Genetics studies to identify mutations in patients with cardiomyopathies

8. Impact of Yoga Based Intervention On Quality Of Life Of Glaucoma Patients
9. Impact of Yoga on Paternal factors Early pregnancy losses
10. Mutation analysis in Anti Mullerian Hormone gene in poor responders
11. Study of Association of Methylenetetrahydrofolate Reductase (MTHFR) Polymorphisms in Infertile Men
12. The study of enteric glia and vasoactive intestinal peptidergic neurons in the enteric nervous system of ulcerative colitis patients
13. To study the morphological changes in endothelin-1 induced capsular infarct model in rat brain

Collaborative projects

Ongoing

1. A study of the efficacy of intraperitoneal injection of methyl prednisolone on the severity of organ dysfunction in adult male Wistar rats with acute pancreatitis induced by surgical ligation of the biliopancreatic duct, GI Surgery
2. Genetics studies of cardiomyopathies, Cardiology
3. Genetics of Steven Johnson Syndrome, R P Centre for Ophthalmic Sciences
4. Genetic studies on aqueous fluid in retinoblastoma, R P Centre for Ophthalmic Sciences
5. Genome wide Analysis to explore stress, inflammation and cellular aging following short and long term yoga based intervention in obesity and DM, Physiology
6. Factors leading to early onset degeneration in Bioprosthetic valves implanted in a younger population- a multdisciplinary analysis, CTVS
7. ICMR Centre of Excellence for Neurosurgery Devices, Neurosurgery
8. Impact of preoperative steroids on trabeculectomy outcomes: a Randomized Controlled Trial, RP Centre for Ophthalmic Sciences
9. Impact of short term yoga based intervention in obesity, Physiology
10. Material characterization of brain tissue and development of tissue-device interaction based neurosurgical simulation tools, Neurosurgery
11. MEN1 gene mutation in patients of primary hyperparathyroidism, pancreatic tumors and pituitary tumors and its clinical implications. Endocrinology
12. Age Dependent Dynamics of Sperm Telomere and Inter-relation with DNA Damage Response, Reproductive Biology, AIIMS,
13. Microsurgical comparison of operative exposure of IAC though middle fossa and retro sigmoid hearing preservation skull base approaches - a laboratory investigation, Neurosurgery
14. Mutational Analysis of ASMD, R P Centre for Ophthalmic Sciences
15. Non-alcoholic fatty liver disease in Indian lean and obese patients: similarities and differences, Gastroenterology
16. Randomised control trial on the effect of transcranial magnetic stimulation of pathomechanism of gait and urodynamics in patients with partial transection of the spinal cord, Physiology
17. Study of cryopreservation effects on sperm mitochondrial and nuclear DNA integrity and its influence on fertilization event, Reproductive Biology
18. Study of sperm oxidative state, shelterin protein expression and chromatin function in infertile males, Reproductive Biology
19. Study of Oxidative Stress on Sperm TERRA expression and Chromatin function in Infertile males", Reproductive Biology, AIIMS,
20. To examine myelin associated inhibitors and pathological ultrastructural alterations of myelinated axons subsequent to severe traumatic brain injury among humans (with Forensic Medicine), Forensic Medicine
21. Transorbital approach to infratemporal fossa : A human exploratory study, ENT

22. Vulnerability assessment of Rasaja Bhava (Nutritional component) for the Causation of Asymmetric IUGR - A cross-sectional study, Chaudhary Brahm Prakash Ayurved Charak Sansthan
23. Assessment of genetic prevalence of NASH related liver cirrhosis with association of Matraja Bhava (Maternal Factor) - A cross-sectional study. Chaudhary Brahm Prakash Ayurved Charak Sansthan
24. Checking the feasibility of aotoplasty balloon catheter for endovascular occlusion of aorta', Surgical disciplines
25. Development of training model for delineation of vascular supply relevant to reconstructive surgical procedures of face and hand. A novel method of cadaver processing, Plastic reconstructive and burns surgery
26. Evaluation of the efficacy of Yoga-Based Intervention and Transcranial Magnetic Stimulation on cognition, stress and aging in Obesity. A Randomized controlled trial, Physiology
27. Extending the horizon of endoscopic neurosurgery: A cadaveric study as a starting step to introduce posterior fossa endoscopic approaches to the armamentarium of minimally invasive neurosurgery of our institute. Neurosurgery
28. Genetics of Juvenile glaucoma, R P Centre for Ophthalmic Sciences
29. Genetics of alcohol and drug dependence, Psychiatry

Completed

1. A Cross sectional study for assessment of Matrija bhava (Maternal factor) and Rasaja bhava (Nutritional factor) for causation of 22 childhood Leukemia in purview of epigenetics", Chaudhary Brahm Prakash Ayurved Charak Sansthan Delhi.
2. AIIMS+ CSE- IIT-D Center of Excellence Collaborative Neuro-Engineering platform for excellence in innovation and translational research, Neurosurgery
3. Factors leading to early onset degeneration in Bioprosthetic valves implanted in a younger population- a multidisciplinary analysis, CTVS
4. Support to Indian Institutes to Conduct Training Program in the area of Operational Research Neurosurgery Skills Training, Neurosurgery

RESEARCH PROJECTS OVER PAST 3 YEARS

Research Projects	2022-2023	2023-2024	2024-2025
Total funded projects	20	20	23
Total funding	2942.22	3512.32	3647.43

Publications

Total Publications: 66;

Journals: 55 **Abstracts: 04** **Chapters in Book: 07**

PUBLICATIONS OVER PAST 3 YEARS

Publications

Item	2022-2023	2023-2024	2024-2025
Total	**42**	**60**	**66**
Journal Articles	32	54	55
Abstracts	8	4	4
Chapter in books	2	2	9

PATIENT CARE

GENETIC DIAGNOSTIC and COUNSELLING SERVICES

Karyotyping	298
Yq microdeletion screening	36
ROS estimation	154
qPCR analysis	178
Molecular screening	
Corneal dystrophies	25
DNA for Genetic analysis of various disorders	582
Miscellaneous	54
Cytogenetic Analysis	4
Drug dependence	274

EMBALMING OF DEAD BODIES 190

For transportation	156
For teaching/research	34

Patientcare related activities	2022-2023	2023-2024	2024-2025
Genetic Tests	525	1075	1300
Diagnostic tests for heavy metals/toxic elements/micronutrients in blood/urine	3200	7500	25000
Embalming of dead bodies	169	232	190

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor A Shariff attended the following meetings- 7th ANSACON 2025 National Annual Conference of the Anatomical Society of Assam 2025, NEIGRIHMS, Shilong, Meghalaya, April 2025, 27thAcademic Committee Meeting of BP Koirala Institute of Health Sciences, Dharan, Nepal March 2025, Research Council Meeting at Centre for cellular and Molecular Biology, Hyderabad, March 2025, Selection Committee Meeting at AIIMS, Guwahati, March 2025, Steering committee meeting at Chennai, January 2025, Deployment of clinical team of experts to Rajouri in light at Badhal Village, January 2025, Panel Discussion being organized by GSL Medical College, Rajahmundry, November 2024, Guest speaker being organized by Banaras Hindu University, Varanasi, October 2024, Selection Committee Meeting at Holkar Bhawan, Banaras Hindu University, Varanasi, July 2024, Talk on "AI & Modern technology in present day teaching and training of medical students" Mahatma Gandhi Medical College & Research Institute, Pondicherry, July 2024, 6th Annual Conference of Anatomical Society of Assam-ANSACON 2024 AIIMS Guwahati, April 2024.

Professor SB Ray acted as an External Examiner for 1st Professional MBBS examination in various Medical colleges like Atal Behari Vajpayee Medical University, Lucknow, West Bengal University of Medical Sciences, Guru Govind Singh I.P. University and Delhi University. He also acted as an examiner for MD Examination in Anatomy at AIIMS, Bhubaneswar.

Professor Rima Dada received the DSc degree by the SVYASA University. She delivered the Dr Das and Dr Halim Oration at KGMU University. She received the fellowship of Indian Academy of Biomedical Sciences (IABS). She is a Task Force Member of Ayushman Bharat Scheme (Wellness) and holds the Chair for Yoga and Genetics Taksha Centre for Integrative medicine and Yoga (CIMY), USA. She delivered 1 oration 4 plenary lectures and 28 lectures. She is Professor in charge of media cell and has conducted 47 press meets in the last one year, organized 6 talks and a concert at AIIMS, Delhi. She is member of IFS who drafted the consensus guidelines for Psychological care in ART published in December 2024. She has taken several steps to enhance the social presence and impact of various clinical services offered by AIIMS doctors by starting podcasts featuring AIIMS doctors, small videos regarding various health issues by leading doctors on twitter and instagram. She is member of Institute ethics committee of SVYASA Bangalore and DC member of School of Biotechnology, Amrita Institute Kottayam. She was nominated as expert in a 6-member high powered committee constituted by MoHFW and AYUSH for drafting guidelines to promote Yoga research. She is also expert for evaluation/ formulation

& review of questions by NBE and for NEET examination and on board of governors and expert for Medical assessment and Rating Board (MABR), NMC. Dr Dada was nominated as expert for evaluation of projects under ICMR-CARE scheme and projects in task force mode in NCD and RBMH section (ICMR). She was a reviewer for various adhoc projects by ICMR/DBT/DST/Welcome Trust. She was nominated as an expert for Advisory Committee/The Ayush Interdisciplinary R&D Task Force on High Impact Research in Yoga, Ministry of Ayush, GOI. She is External faculty for IFS course in Clinical embryology and diploma in ART, PhD examiner and guide for various students. Featured in a podcast on BBC conducted by Michael Mosley. Delivered talks on Total health and work on yoga in various lifestyle diseases appeared in leading newspapers like TOI, HT and the Hindu and also on TV,,, Vigyan Prasar and BBC. Conducted interviews under APS and under Public service commission. Participated as Expert for an onsite Technical Evaluation Committee for Centre for Advanced Research and Excellence in Kidney diseases at SGPGI and PARAM NIMHANS. She is an expert of review workshops of MCQ Question Bank MBBS Exit level by NBE and PG expert for of NMC. Participated in online Training on Managing Leadership & High Performing Teams by NPC. She is a reviewer for over 45 journals and was invited by DOE to deliver lectures on research avenues beyond MBBS. Dr Dada is Member secretary and CPIO of Vishram Sadan and member core committee for institute day and election commissioner for UG elections. Dr Dada is member of committee for reviewing intramural grants and member of SPC, ICCSH. She is PG teaching incharge in the department. Her PhD students received several awards at national and international conferences. **Professor Arundhati Sharma** acted as a reviewer for projects, manuscripts for publications and PhD and MD theses. She is the nodal person for the Departmental Annual report and website information. She is also looking after the store-related work of the Department. She acted as a member of the committee to review projects under the UG Research Mentorship Scheme of the Institute.

Professor Renu Dhingra was awarded for the research article published in the journal Placenta at Fourth Annual Research day (Excellence in Basic Sciences) All India Institute of Medical Sciences, New Delhi January 2025.

Professor TC Nag examined one PhD thesis each from University of Chennai, CDRI (Lucknow) and Viswa-Bharati (West Bengal). He reviewed 86 manuscripts for publications in various journals. He was a member of the abstract review committee and judge in fourth AIIMS Annual Research Day presentation, 27 and 28 January 2025.

Professor Ritu Sehgal currently holds the designation of the Central Public Information officer (CPIO) for the Anatomy Department to look after the work under the RTI Act, 2005; Faculty-in-charge for the Central Lab. 1006; Departmental Faculty co-ordinator for Histological Techniques course; Vice President & Life Member of the newly constituted AIIMS Association for Anatomy (AAA) since February 2024, as part of the pioneering team of AAA for fostering professional collaborations between Anatomy departments of all the AIIMS institutes of the country. She contributed as External Expert invited by Sharda University, Greater Noida, for the External Academic Audit and for Comprehensive Review of Pedagogical Proficiency of Department of Anatomy, School of Medical Sciences & Research. She was also External Expert for Post-Exam Review of Question Paper at the National Board of Examinations in Medical Sciences; Resource Faculty for CMETi workshop; Nodal officer of Anatomy Department and Member of the Exhibition Sub-committee for the 69th Institute Day; Organizing Member for the revival of AIIMS Chapter of SPICMACAY (Society for Promotion of Indian Classical Music, Art and Culture Among the Youth) and concert, conducted at AIIMS, New Delhi, delivering the Vote of Thanks; Departmental Counsellor for Student Mentorship Program, co-ordinating counselling and aiding MBBS students requiring help; External and Internal examiner for MD/MSc as well as First MBBS Professional Examinations for Delhi University & Hamdard University.

Dr SK Jhajharia Saroj Kaler is currently a Member of the International Association for the study of Pain (IASP), Indian Academy of Neurosciences, Teaching Schedule committee at AIIMS, New Delhi. She also reviewed research articles submitted to several journals. She has been an external examiner for various Universities. Her student was awarded International Financial Aid for attending the International Association for the Study of Pain (IASP) 2024 World Congress on Pain in August in Amsterdam, Netherlands.

Dr Tony Jacob was a judge of posters and the chairperson for a session at the XLII Annual Meeting of the Indian Academy of Neurosciences (IAN) held at NIMHANS, Bengaluru. He has also been an external examiner for Delhi and Indraprastha University, and a setter of question papers and evaluator for Gujarat Medical University and J&K Public Service Commission. He has enhanced his knowledge in medical education by attending the National Teachers Training Course organised at JIPMER, Puducherry. He continues to be on the editorial board of national and international journals. He is a resource person for research methodology, writing skills, communication skills and various aspects of medical education. He continues to be deeply involved with various undergraduate and postgraduate students' socio-cultural activities.

Dr Neerja Rani Chaired and moderated a session at VESICON 2025 where the theme- was Neurology Biomarkers & beyond. She has evaluated a Ph.D. thesis and conducted PhD viva-voce examination. She is a member of the PG board of

studies in the department of Anatomy in PGIMS, Rohtak, Haryana. She also served as an external examiner of Anatomy for regular and supplementary first professional MBBS examination in Anatomy at AIIMS Jammu.

Dr Seema Singh was Faculty-in-charge for organizing and conducting internal exams for the first year MBBS batch and compiling results; Appointed as External Examiner at Jamia Hamdard and is actively involved in publishing and reviewing scientific articles.

Dr Subash Chandra Yadav was Elected as Fellow EMSI by the Electron Microscopy Society of India. He chaired the session on the 54th Annual Conference of the Indian Pharmacological Society (IPSCON-2024) and was the examiner of 5 PhD theses from IIT Hyderabad, CSIR-ITRC, and CSIR-CDRI.

Dr Prabhakar Singh was the organizing secretary of the National Scientific Training Program in Biological Electron Microscopy, Summer Training Program in Biological Electron Microscopy and 3rd National Workshop on Electron Tomography of Biological Specimens He was the Finance Secretary of the International Society for Fluoride Research (ISFR) organized by Department of Anatomy, AIIMS.

Dr Arthi Ganapathy has participated in the "Systematic Review and Meta-Analysis" Workshop at AIIMS, New Delhi, completed the "Basic Course in Medical and Health Professions' Education" conducted by CMET, and attended the workshop titled "Researching Student Perspectives in Digital Education" organized by the SET facility. As a peer reviewer, she has reviewed several manuscripts for various publishers. She served as Resource Faculty for the 9th AIIMS Ultrasound-Guided Regional Anesthesia Workshop held and is currently part of the CMIE-AIIMS incubation project for the development of a virtual reality platform for anatomy education.

9.3 Department of Biochemistry

Professor and Head

Kalpana Luthra

Professors

PP Chattopadhyay

Alpana Sharma
(From 1 April 2024 Till 31 July 2024;
Superannuated on the 31 July 2024)

Kunzang Chosdol

Sudip Sen

Archna Singh-I

Jayanth Kumar P

Subhradip Karmakar

Archana Singh-II

Additional Professors

Pragyan Acharya

Riyaz Ahmad Mir

Pramod Kumar Gautam

Rakhee Yadav

Associate Professor

Siddhartha Kundu

Assistant Professor

Karthikeyan Pethusamy

HIGHLIGHTS

The department is actively engaged in extensive research, with 49 ongoing projects funded by national agencies like DBT, DST, ANRF, ICMR, DHR, and Intramural AIIMS, totaling Rs. 37.46 crores, while 15 projects were completed this year. Additionally, 62 departmental and 30 collaborative projects are in progress, with 22 departmental projects concluded. Research productivity remains high, with 58 publications and 5 abstracts in reputed indexed journals. Faculty members delivered 49 invited talks and presented 56 research papers (oral/poster) at national and international forums. The department's excellence was recognized through two research awards in 2025, including the AIIMS Excellence Research Award in Basic Sciences (1st Prize) and an Oncology Basic Sciences Award (1st Prize) on Research Day (30 January 2025). Further accolades include an IIS Senior Scientist Oration Award (Immunocon-2024), a plenary speaker role at GIS-2025, and the KP Sinha – PS Krishnan Award for best paper. Faculty and students secured 35 awards, prizes, and travel grants at conferences. Academically, the department mentors 13 MSc, 15 MD, 10 SR, and 32 PhD students, while enhancing MBBS, MD, and MSc curricula with advanced classes. PhD coursework has been successfully conducted for six batches. Clinically, the department performs specialized tests, including 223 porphyria tests, with its lab now NABL-accredited. Faculty members Dr. Rakhee Yadav and Dr. Archana Singh oversee the Renal Biochemistry Lab, ensuring quality assurance. Dr. Alpana Sharma serves as an external expert at JN Medical College, AMU. Notably, Dr. Kunzang Chosdol delivered the Dr. P. Lali Memorial Lecture on biomarkers, while Dr. Pragyan Acharya received the «Women in Immunology» Award (2025). Dr. Karthikeyan P was awarded the Sun Pharma Science Foundation Fellowship and enrolled in the FAIMER fellowship, highlighting the department's dynamic contributions to research and education.

EDUCATION

Undergraduate

The department introduced some modifications in the UG teaching curriculum, aimed at enhancing both the skill development and to keep the knowledge at par with the current developments in biochemistry. Case discussions related to didactic lectures and demonstration practical on POCT devices for glucose monitoring and pregnancy testing were introduced to improve the theory-practical connect. Kit based practicals were introduced for some of the routine biochemical analytes (uric acid and HDL cholesterol) for students to appreciate the differences between traditional and auto-analyzer based methods in use.

Techniques related to current applications in molecular biology such as restriction digestion and restriction site mapping were also added to the curriculum.

Medical Education

Current Head of our department is also Chief of Centre for Medical Education and Technology innovation (CMETi) and Professor-in-charge of e learning in SET facility. e-learning modules have been made by several faculty members of the department on NMC based UG Biochemistry topics and uploaded on LMIS.

Postgraduate

These include 13 MSc and 15 MD students. The department also has 32 Ph.D. students. There are two 4 junior research fellows, 6 project scientists, 3 Research associates besides registered students working in the dept.

The postgraduate teaching curriculum was updated and incorporated inputs from all the faculty members ; it was further expanded to add more advanced classes in the Molecular Biology and Cancer Biology modules. The 'Clinical Case Discussion' has been modified to discuss complex case reports from various journals for the MD, MSc students and Senior Residents. The updated PG curriculum has been sent for approval and publication to the academic section.

A formal course work for PhD students is going on in the department with various modules. It covered Advanced Laboratory Instrumentation, Cell biology and Culture techniques, Human and Animal ethics, Biostatistics, Research methodology etc. Students were assessed and graded after completion of course work.

The department is also giving formal training to pediatric genetics **DM and ENT MCh** students in molecular biology.

Our department is conducting Journal clubs on every Tuesday in which PhD students, Senior residents, Junior residents & MSc Students are presenting original research articles on various biomedical topics, recently published in journals of repute..

CMEs/Workshops/Symposia/National and International Conference:

- Department of Biochemistry organized a symposium on Int Day of Immunology on 29 April, 2024. Chief Organizer Dr Alpana Sharma and Co-organizer Dr Archana Singh II. This event was organized in the LT2 teaching block AIIMS IN
- Department has also conducted session on microteaching for final year MD students in April 2024. This event was organized in the department demonstration room.
- Dr Kalpana Luthra was Convener of a sympoium on 'Mind and Brain', organized by our department & Indian Academy of Neurosciences, Aligarh Chapter, 3 June 2024.
- Dr Kalpana Luthra was Co-Chairperson of Scientific Committee of the Annual Conference of the IABS-2024 North Zone, at JLNM auditorium AIIMS-6 August 2024.
- Dr Kalpana Luthra organized a Panel Discussion of AIIMS-Springer-Nature India, a component of Springer Nature India Research tour 2024, in collaboration with Indian Council of Social Science Research, on 20 September 2024 at AIIMS, New Delhi
- Dr Kalpana Luthra was Patron for the 43rd All India Conference of Medical Laboratory Technologists Association (AIMLTA), 21-22 October, 2024 at AIIMS, New Delhi.
- Dr Pramod Gautam was a co-organizer of the National Biomedical Research Conference (NBRCOM) organized by SYBS on 2 and 3 December 2024 at AIIMS, New Delhi.

Lectures delivered: 49

Kalpana Luthra: 9	**Alpana Sharma: 2**	**Kunzang Chosdol: 3**
Sudip Sen: 1	**Archana Singh I: 3**	**Jayanth Kumar: 1**
Subhradip Karmakar: 3	**Archana Singh II: 3**	**Pragyan Acharya: 3**
Riyaz Ahmad Mir: 3	**Pramod K Gautam: 5**	**Karthikeyan Pethusamy: 13**

Kalpana Luthra

1. Biology & immunology of HIV-1 infection: a guide for vaccine design, Advance course in vaccinology (TiVaC), 28 June 2024, THSTI, Faridabad

2. Defining the sequences in circulating viruses associated with elite plasma neutralizing activity in HIV-1 infected children, a guide to HIV-1 vaccine design, Immunocon 2024, 17 October 2024, IISc, Bangalore
3. Presenting a Journal club/ Critical Appraisal", At PG Course on Research Methodology Writing, and Communication, 14 November 2024, JLN Auditorium AIIMS, New Delhi
4. Characterization of antibody responses & coevolving viruses during HIV Infection: Informing vaccine design, National Multi-disciplinary Conference in Medical Specialties, 14 November 2024, Sharda Hospital, Noida
5. Recombinant anti-HIV-1 human monoclonal antibodies as potential therapeutic reagents and guide to vaccine design, World AIDS day 2024, 2 December 2024, JNU, New Delhi
6. Characterization of HIV-1 virus and host antibody responses, a guide to HIV-1 vaccine design, ACBICON 2024, 06 December 2024, Hotel Mount View, Chandigarh
7. Steering of B cells towards generation of high affinity protective antibodies in health and pathology, FIMSA Advanced Immunology Course 2025, 11 February 2025, India Habitat Centre, New Delhi
8. Characterization of the antibody responses and coevolving viruses in HIV-1 infected children: informing vaccine design, Global Immunology Summit-2025, 14 February 2025, THSTI, Faridabad
9. Building Your Dream Team & Timeline: From Team Selection to Project Milestones, Grant Writing for Extramural Funding Organized by: Department of Paediatric Surgery, 23 February 2025, Online

Alpana Sharma

1. An insight of microRNAs in multiple myeloma: From diagnosis to therapeutics. 6th International Cancer Congress, April 2024, Janakpur, Nepal
2. Role of Itrifal e Aftimoon as potential intervention in leukemia, Workshop for Ashwagandha by AYUSH, June 2024. AYUSH, Delhi

Kunzang Chosdol

1. Atypical Cadherin FAT1 Regulates Autophagy-Mediated Cell Death in Cancer Cells, 50th Annual Conference of the Association of Clinical Biochemists of India ACBICON 2024, 5 December 2024, Chandigarh
2. "SANGER SEQUENCING, FRAGMENT ANALYSIS AND DIGITAL PCR" (chaired session), 7th Annual Conference of Neuropathology Society of India (NPSICON 2025). Organized by: Neuropathology Laboratory, AIIMS, New Delhi. 20 February 2025, SET facility, AIIMS, New Delhi
3. Biomarkers and Beyond: The Expanding Role of Biochemists in Personalized Medicine, Dr P Lali Memorial lecture during CME program on Advances in Biochemical, MAMC, Delhi, 8 March 2025, Delhi

Sudip Sen

1. Stem cells: basics and potential research applications, Stem cells and Regenerative Medicine, 29 November 2024, Online, AIIMS, Guwahati

Archna Singh I

1. Designing an anti-inflammatory Indian adaptation of Mediterranean Diet for Secondary Prevention of CAD, WPHN CONGRESS 2024, June 2024, London, UK
2. Applied aspects of carbohydrate, protein and fat metabolism (three lectures). Poshan Maah event at All India Institute of Ayurveda, September 2024, Online
3. Inter-tumor heterogeneity in OXPHOS status and mitochondrial metabolism: some insights from B-ALL, 50th ANNUAL ACBICON CONFERENCE 2024, 4 December 2024, PGIMER, Chandigarh

Jayanth Kumar

1. *The epitranscriptomic machinery in pediatric B-ALL*, EMBO Workshop: Molecular Basis and Mechanisms of Therapy Personalization in Pediatric Leukaemia, 5-8 February 2025, Tata Medical Centre, Kolkata

Subhradip Karmakar

1. Treatment modalities in Gall Bladder Cancer, IUAC Delhi, January 2024, Delhi, India
2. 3D models in Gall Bladder Cancer, IICB Kolkata, October 2024, Pune, India
3. Effect of Pollution on Pregnancy Outcome, European Placenta Association, November 2024, Prague, Czech Republic

Archana Singh II

1. Innate Immune Response in Pulmonary Tuberculosis Patients with Type 2 diabetes: Characterisation and Clinical Correlations, ACBICON 2024, December 2024, (online)
2. Influence of chronic hyperglycemia on innate immune response in pathophysiology of active pulmonary tuberculosis. EMBO TB Heterogeneity, February 2025, CCMB, Hyderabad
3. IL-1β secreting Classical monocytes as key correlates of protection against Tuberculosis in 'TB Resister' phenotype. EMBO Workshop: Host and pathogen heterogeneity in tuberculosis, February 2025, CCMB, Hyderabad

Pragyan Acharya

1. "Understanding Neutrophil Phenotype in Acute-on-Chronic Liver Failure (ACLF)- A Complex Innate Immunity-Driven Liver Disease", Annual meeting of the Indian Immunology Society, IISc, Bengaluru, 18 October 2024, Bengaluru
2. "Immunomodulation in Acute-on-Chronic Liver Failure: Do Circulating Lipids Play a Role?", Kolkata Liver Meeting 2025, Kolkata West Bengal, 12 December 2024, Kolkata
3. Understanding Neutrophil Phenotypes in Acute on Chronic Liver Failure (ACLF) Complex Innate Immunity-driven disease, SIRCON 2024-2025, 6 December 2024, Mumbai

Riyaz Ahmad Mir

1. Interaction of High risk human papilloma virus oncoproteins E7 with PIH1D1 component of R2TP complex is important for its stability and PRB-E2F dissociation in cervical cancer. CNIO-Caxia research frontiers meeting: Molecular Chaperones in cancer and protein quality control, 10 -12 June 2024, Spanish national cancer research Centre, Madrid Spain
2. Being a scientist should we adhere to responsible conduct of research, DST INSPIRE Science Camp, 27-31 August 2024, University of Kashmir, Srinagar
3. Regenerative Medicine for hearing loss: Unravelling cellular Chaperone complex highjacking by high risk human papilloma Virus for therapeutic innovation, Cancer research and Molecular Diagnostic, 1 January 2025, Daulat Ram College University of Delhi

Pramod K Gautam

1. *Tumor-Derived HSP70-Docetaxel Conjugate: A New Peptide Drug Conjugate for Cancer Therapy*, Indian Academy of Biomedical Sciences (North Zone) – Delhi Chapter Conference on "Artificial Intelligence and Translational Research in Human Health,", 5–6 August 2024, JLN Auditorium, AIIMS, New Delhi.
2. Immunotherapeutic Role of Autologous HSP70 and HSP70-Docetaxel Conjugate: A Novel Approach for Cancer Therapy*,* 1st J&K International Conference on Breast Cancer and Awareness cum Screening Camp (National), October 21–24, 2024. UOK, J&K
3. M*1 Macrophages Induction May Transfigure TME-MSCs for Breast Cancer Therapy*", EMBO Conference on Molecular Mechanisms of Developmental and Regenerative Biology (International, 6 –8 November 2024, Kobe, Japan
4. Exploring Early-Stage Breast Cancer Detection and the Potential of Macrophage-Based Therapies, 5th International Global Cancer Consortium Conference, 28–30 January 2025, Amity University, New Delhi.
5. Role of Exosomal microRNAs in Tumorigenesis and Progression of Pancreatic Cancer" at the conference *Mitochondria, Mitochondria, Cell Death, and Human Diseases: Frontiers in Cancer Research*, 17 –18 February 2025, at , Jawaharlal Nehru University (JNU), New Delhi.

Karthikeyan Pethusamy

1. Free listing and pile sorting**,** Workshop on Qualitative Research in Educational Research**,** 13 November 2024**,** SET facility, AIIMS, Delhi
2. Validation of MCQs and Item analysis, *Assessment Methods in Medical Sciences***,** 21 November 2024**,** CMET, AIIMS, Delhi
3. Leveraging AI for Medical Education**,** *Automated Future : Revolution in Diagnostics***,** 30 November 2024**,** Amrita Institute of Medical Sciences, Faridabad.
4. Hands-On Workshop on "Generative AI tools to enhance classroom Teaching – Learning experiences", Faculty Development Program, 05 December 2024**,** Dr. BSA Medical College, Rohini
5. Mastering AI tools and assessment of competencies**,** Drishti se Vivek Tak Reimagining Health Communication in the AI era**,** 09 December 2024**,** Dr Ramalinga swamy board room, AIIMS, Delhi
6. Assessment tools available in SARAL**,** Designing and uploading quizzes on SARAL**,** 11 December 2024**,** SET facility, AIIMS, Delhi
7. Blended learning – Introduction**,** National Medical College Network orientation to faculty of AIIMS, Kalyani**,** 14 December 2024**,** AIIMS, Kalyani
8. AI in Medical Teaching Research and Clinical Services**,** Emerging Technologies for Health Care, 22 December 2024**,** AIIMS, Delhi
9. Analysis and Prioritization of Genomic Variants, ACCLMPCON 2025, 10 January 2025, Guwahati
10. Free listing and pile sorting (advanced level)**,** Workshop on Qualitative Research in Medical Education- Advanced level. SET facility, 04 February 2025**,** AIIMS, Delhi
11. Introduction to Bioinformatics: Unlocking the Power of Data in Biological Research**,** Skill Building Workshop Division of Oral Pathology and Microbiology at the Centre for Dental Education & Research**,** 13 February 2025**,** AIIMS, New Delhi,
12. Flow cytometry, Preconference workshop organised by MRU, Maulana Azad Medical College, 09 March 2025**,** New Delhi
13. Exome sequencing data analysis**,** Preconference workshop :Annual meeting of the Indian Society for Extracellular Vesicles (InSEV), 22 March 2025**,** AIIMS, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
46	47	49

Oral papers/posters presented: 56

1. Singh Aishwarya, Raja David, Singh Prabhjot, Seth Amlesh, Kaushal Seema, Sharma Alpana. Expression of immune checkpoints PD-1, PD-L1 and B7-H4 on Tumor associated macrophages in patients with Urothelial Carcinoma of Bladder : Rational therapeutic targets, EACR, June 2024, Rotterdam, Netherlands
2. Arora Alisha, Naval Vikram, Gupta Yashdeep, Singh Archana*, From Host defense to disease Susceptibilty: Characterizing the role of phagocytes in Tuberculosis and diabetes. AIIMS 4th Research Day 2025, January 2025, AIIMS, New Delhi
3. Arora Alisha, Vikram Naval, Gupta Yashdeep, Singh Archana,* Innate immunity in tuberculosis and type 2 diabetes: Bridging Characterization to clinical outcomes, FIMSA 2024, Taiwan, October 2024, Taiwan
4. Arora Alisha, Sharma Vidushi, Vats Deepak, Luthra Kalpana, Singh Archana*. Exploring the Antibiotic Potential of Bdellovibrio bacteriovorus against *Mycobacterium tuberculosis*: Priming Macrophages for Enhanced Intracellular Clearance and Immunostimulation (Poster presentation), ACBICON2024 Chandigarh, December 2024, Chandigarh, India
5. Arora Alisha, Sharma Vidushi, Vats Deepak, Luthra Kalpana, Singh Archana*. Investigating the Antibiotic Potential of Bdellovibrio bacteriovorus against Mycobacterium tuberculosis: Priming Macrophages for Enhanced Intracellular Clearance and Immunostimulation. EMBO Workshop: Host and pathogen heterogeneity in tuberculosis, February 2025, CCMB, Hyderabad

6. Kumar Ankit, Kaur Rupinder, Singh1 Neha, Bhoriwal Sandeep, Gautam Pramod Kumar, Identification & Validation of differentially expressed exosomal miRNA in Pancreatic Ductal Adeno Carcinoma (PDAC) patient, EVOLVE 2025, Indian Society for Extracellular Vesicles (InSEV), 20 March 2025, AIIMS Delhi

7. Singh Archana*, Mubeen Shaikh Abdul, Vats Deepak, Yadav Kapil, Sharma Alpana, Classical Monocytes Secreting IL-1ß and IL-10: Potential Indicators of Tuberculosis Resistance, Classical Monocytes Secreting IL-1ß and IL-10: Potential Indicators of Tuberculosis Resistance (oral Presentation), South Zone ACBICON, January 2025, JIPMER, Pondicherry

8. Singh Archana, Vats Deepak, Sharma Vidushi, Integrating Immunomodulatory Strategies and Predatory Bacteria to Combat Mycobacterium tuberculosis Infection: A Novel Approach. TB expo, March 2025, Delhi

9. Arora Manvi, Malik Nargis, Gupta Yakhlesh, Irshad Khushboo, Chattopadhyay Parthaprasad, Sinha Subrata, Chosdol Kunzang, Microprotein 'miPEP133' Encoded by Non-Coding RNAs is regulated by Atypical Cadherin FAT1: Potential Therapeutic Targets in Glioblastoma"Poster presentation", AIIMS 4th Annual Research Day, 29 January 2025, New Delhi

10. Arora Manvi, Malik Nargis, Gupta Yakhlesh, Irshad Khushboo, Kundu Archismita, Suri Vaishali, et al, Targeting FAT1: A Promising Therapeutic Strategy for Astrocytic Tumors Based on its Regulation of EGFR "Oral Presentation", 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), 22 February 2025, Delhi

11. Ayesha Rahman,* Keshari Pankaj, Kairo Arvind Kumar, Riyaz Ahmad Mir, Gene Editing of Atoh1 in Cadaver derived supporting cells for the Regeneration of auditory cells via CRISPR/Cas9 and Adenovirus System, National Conference on advances in biologicals sciences molecules to organisms, 28 December 2024, Aligarh Muslim University

12. Rahman Ayesha,* Keshari Pankaj, Arun EJ, Arvind Kairo Kumar, Ahmad Mir Riyaz,* Design of CRISPR/Cas 9-Mediated Atoh1 Knock-In Using an Adenovirus Delivery System for inner ear hair cell regeneration, 1st International Interdisciplinary Science Congress: Young Scholars' Meet (I-ISC-2024), 9 October 2024, Jamia Millia Islamia, New Delhi

13. Rahman Ayesha,* Keshari Pankaj, Kairo Arvind Kumar, Ahmad Mir Riyaz, Regenerating Inner Ear Hair Cells: Design of Atoh1 Knock-In via CRISPR/Cas9 and Adenovirus System, NBRCOM 2024, 1 December 2024, AIIMS

14. Jain Ayushi, Adeeba, P Jayanth Kumar, Bakhshi Sameer, Singh Archna,* Oral: Inter-tumor heterogeneity in OXPHOS status and mitochondrial metabolism: some insights from B-ALL, ACBICON, 4 December 2024. Jodhpur

15. Bansal I, Bakhshi S, Palanichamy JK, Genome wide mapping for the identification of susceptibility variants in B-cell Acute Lymphoblastic Leukemia, Childhood Leukemia International Consortium Meeting, 17-19 March 2025, Taipei, Taiwan

16. Bharadwaj N, Shrivastava V, Tyagi S, Nayak D, Palanichamy JK, Sen S. Evaluating the neurotherapeutic efficacy of homoeopathic medicine Hypericum perforatum in rescuing hypoxia-exposed oligodendrocytes in an in vitro disease model of cerebral palsy, 4th Research Day, 29 January 2025, AIIMS, New Delhi

17. Raja David, Singh Aishwarya, Seth Amlesh, Sharma Alpana. Interaction of CD24 with SIGLEC10 promotes Breg cell formation and metastasis in urothelial carcinoma of the bladder, EACR Congress, Molecular Oncology, June 2024, Rotterdam, Netherlands

18. Raja David, Singh Aishwarya, Seth Amlesh, Sharma Alpana. Unveiling the immunoregulatory role of B cells and its subtypes in urothelial carcinoma of the bladder, EMBO workshop on Lymphatic tissues and germinal centers in immune reactions, Jul-24, Galway, Ireland

19. Vats Deepak, Arora Alisha, Luthra Kalpana, Mishra Puneet and Archana Singh,* Deciphering The Role Of IFN-γ Independent CD4+ T cell Subsets In Shaping The Immune Prospect of *M.tb* Exposed Tuberculosis 'Resisters'. FIMSA 2024, Taiwan, October 2024, Taiwan

20. Vats Deepak, Shah Faisal, Sharma Vidushi, Panda Sudhasini, Luthra Kalpana, Singh Archana,* Enhancing Tuberculosis Treatment: Role of *Mycobacterium indicus pranii* and human beta defensin-2. ACBICON2024 Chandigarh, December 2024, Chandigarh, India

21. Vats Deepak, Yadav Hema, Luthra Kalpana, Mishra Puneet, Singh Archana,* Exploring the Immunological Landscape of TB Resisters in Terms of T and B Cell Subset Dynamics. EMBO Workshop: Host and pathogen heterogeneity in tuberculosis, February 2025, CCMB, Hyderabad

22. Vats Deepak, Mubeen Shaikh Abdul, Luthra Kalpana, Mishra Puneet, Singh Archana,* Exploring The Role of IFN-γ Independent CD4+ T Cell Subsets in Providing Resistance Against Pulmonary Tuberculosis. AIIMS 4th Research Day 2025, January 2025, AIIMS, New Delhi

23. Ghosh-Jerath Suparna, Suresh Megha, Price Sherry, Vidisha,, Khan Sabiha, PP Anudeep, et al. Oral: Designing an anti-inflammatory Indian adaptation of Mediterranean Diet for Secondary Prevention of CAD, WPHN CONGRESS, 2024, 10 June 2024, London, UK

24. Farhan M, Kaushik K, Sharath R, Bek MS, Gupta N, Palanichamy JK, CRISPR/Cas13-based RNA editing to correct the L483P mutation in Gaucher Disease, Keystone Symposium: 'Precision Genome Engineering: Translating the Human Genome to the Clinic, 3-6 March, 2025, Killarney Ireland

25. Gaur Anjli, Bhakhri Harsh, Mishra Nitesh, Sharma Shaifali, Bansal Tanu, Kalaivani Mani, et al, A Versatile CRISPR/Cas12a-Based Nucleic Acid Test (NAT) for the Detection of HIV-1 Clade-C Infection, 4th Research Day, 29 January 2025, AIIMS, New Delhi

26. Gaur Anjli, Bhakri Harsh, Mishra Nitesh, Sharma Shaifali, Bansal Tanu, Das Bimal Kumar, et al, Development of one-pot CRISPR/cas 12a bases assay for detection of HIV-1 indian subtype-C infection, IABS North zone conference, 5 August 2024, AIIMS, New Delhi

27. Rani Geeta, Vats Deepak, Yadav Hema, Mubeen Shaikh Abdul, Arora Alisha, Kumar Rakesh, et al,* Study of humoral immune response among household contacts of adult Pulmonary Tuberculosis patients. ACBICON2024 Chandigarh, December 2024, Chandigarh, India

28. Irukulla S, Singh N, Mishra A, Chattopadhyay P. Effect on cytotoxicity of Liposomal Doxorubicin by Chloroquine induced increase in intracellular retention, ACBICON, 5-7 December 2024, Chandigarh

29. Isha Goel, Ruby Dhar, Tuilika Seth and Subhradip Karmakar, Gene network in DBA, Research Day AIIMS Delhi, January 2025, AIIMS, New Delhi

30. K Chosdol, Arora M, Malik N, Gupta Y, Irshad K, Kundu A, et al, "Interplay between WHO-defined molecular markers and atypical cadherin FAT1 in astrocytic tumors: Insights into EGFR correlation and therapeutic implications" "Poster presentation", 19th EANO (European Association of Neuro-Oncology), 17 October 2024, Glasgow, United Kingdom.

31. Kaur R, Bhoriwal S, Gautam PK, Immunoregulatory role of circulating Extracellular Vesicles (EVs) in Pancreatic Cancer Patients, EVOLVE 2025, Indian Society for Extracellular Vesicles (InSEV), 24-26 20 March 2025, AIIMS Delhi

32. Kaur R, Bhoriwal S, Gautam, PK, Comparison of micro-RNA cargo of circulating extracellular vesicles of pancreatic cancer patients and healthy controls, IABS North Zone 2024 Conference, August 2024, AIIMS, New Delhi

33. Kaur R, Bhoriwal S, Gautam PK, Immunoregulatory role of Micro-RNA Cargo in Circulating Extracellular Vesicles of Pancreatic Cancer Patients, ACBICON 2025, PGI, December 2024, PGI Chandigarh

34. Keshari P, Mir RA, Morankar R, Tewari N, Mathur V, Bansal K, Evaluating the Impact of Dental Medicaments on Human Dental Apical Papilla-Derived Mesenchymal Stem Cells: Implications for Disinfection Protocols, 4th Annual Research Day 2025, 29-30 January 2025, AIIMS

35. Sagar Komal, Akhtar Shamima, Hote Milind, Roy Ambuj, Sharma Alpana, Targeting CCR5 to ameliorate dysfunctional regulatory cells (MDSCs and Tregs) in early atherosclerosis, Vasculata, July 2024, Stanford University, USA.

36. M Shadang,* Mathur S, Mir R, The R2TP complex is a novel host factor in the HPV-mediated molecular pathogenesis of cervical cancer, European Association for Cancer Research 2024 Congress, 10-13 June 2024, Rotterdam, Netherlands

37. Shadang M,* Mathur S, Mir R, The R2TP complex is a novel host factor in the HPV-mediated molecular pathogenesis of cervical cancer, Arturo Falaschi Conference "ICGEB DNA Tumour Virus Meeting" 2024, 16-21 July 2024, Trieste, Italy

38. Kundu, FAT1 Expression correlation and its Regulatory Role on WHO-Defined Molecular Markers in Astrocytic tumors "Oral Presentation", 2025 The Japanese Society of Medical Oncology Annual Meeting (JSMO), 6 March 2025, Kobe, Japan

39. Kashyap Neha, Goel Isha, Singh Sunil, Dhar Ruby and Karmakar Subhradip, TREML2 as a regulator of trophoblast fusion, IABS Delhi, August 2024, AIIMS, New Delhi

40. Rahman A, Keshari P, Arun EJ, Kairo A, Mir R, CRISPR-Mediated Atoh1 Knock-in for Hair Cell Differentiation in Murine Organ of Corti Cell Lines, 50th Annual Conference of Association of Clinical Biochemists of India ACBICON 2024, 4 December 2024, PGI Chandigarh

41. Rahman A, Keshari P, Kairo A, Mir RA, Targeted Atoh1 Knock-In via CRISPR/Cas9 for Inducing Hair Cell Differentiation in Murine Organ of Corti Cells, 4th Annual Research Day 2025, 29-30 January 2025, AIIMS

42. Raj B, Aggarwal S, Singh A, Yadav R, Dysregulation of adipogenic differentiation genes in adipocyte progenitor cells leads to unhealthy visceral adipose tissue expansion in obese individuals. (poster presentation), 17th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) Congress, 31 October-3 November 2024, Sydney

43. Singh S, Kumar S, Chatterjee A, Bajpai P, Sharma S, Katpara S, et al, Recognition determinants of improved HIV-1 neutralization by a heavy chain matured pediatric antibody, HIVR4P 5th HIV Research for prevention conference, Lima, Peru

44. Singh S, Kumar S, Chatterjee A, Bajpai P, Sharma S, Katpara S, et al, Recognition determinants of improved HIV-1 neutralization by a heavy chain matured pediatric antibody, Immunocon 2024, 17 October 2024, IISc, Bangalore

45. Sachan A, Aggarwal S, Yadav R, Endotrophin: A novel prognostic marker & therapeutic target for lipid homeostasis in morbid obesity (poster presentation), 26th International Congress of Clinical Chemistry and Laboratory Medicine (ICCCLM) - IFCC World Lab Congress, 26 May 2024, Dubai

46. Sarma Aradhana, Bhakhri Harsh, Das Kumar Bimal, Lodha Rakesh, Luthra Kalpana, Generation And Characterization Of Infectious Molecular Clones From HIV-1 Viral Envelopes Derived From Infected Children, 4th Research Day, 29 January 2025, AIIMS, New Delhi

47. Mubeen Shaikh A, Vats Deepak, Sharma Alpana, Kumar Gautam Pramod, Yadav Kapil, Singh Archana,* Association of IL-1β and IL-10 Secreting (CD14++CD16−) Classical Monocytes with the 'TB Resister' Phenotype, AIIMS 4th Research Day 2025, January 2025, AIIMS, New Delhi

48. Shrivastava V, Dey D, Tyagi S, Singh A, Sharma JB, Palanichamy JK, et al, Evaluating the effect of astrocyte-derived cholesterol on oligodendroglial maturation in an in vitro model of hypoxic brain injury, FENS Forum 2024, 25-29 June 2024, Vienna, Austria

49. Singh Swarandeep, Kumar Sanjeev, Chatterjee Arnab, Katpara Sanket, Bhakhri Harsh, Hussain AW, et al, Enhanced HIV-1 neutralization through framework indel substitution and affinity maturation in a pediatric lineage antibody, 4th Research Day, 29 January 2025, AIIMS, New Delhi

50. Sen Sudip, Deciphering the neuroprotective role of astrocytes in hypoxic brain injury by understanding glial cholesterol redistribution to sustain oligodendrocytes *in vitro*, IAN, 2024, 13 November 2024, NIMHANS, Bangalore, Karnataka

51. Sen Sudip, Is neural stem cell fate influenced by hypoxic conditions in utero? ACBICON, 2024, 6 December 2024, PGIMER, Chandigarh

52. Suresh, Singh Megha, Archna, Price Sherry, Hebert James, R Roy, Ambuj, Ghosh-Jerath, Suparna, Poster: Validating a food frequency questionnaire for assessing dietary inflammatory index in CAD, WPHN, CONGRESS, 2024, 10 June 2024, London, UK

53. Tyagi S, Shrivastava V, Dey D, Rani S, Sharma JB, Palanichamy JK, et al, Understanding molecular mechanisms in oligodendrocyte development *in vitro* using human fetal neural stem cells, FENS Forum 2024, 25-29 June 2024, Vienna, Austria

54. Tyagi S, Shrivastava V, Dey D, Sharma JB, Palanichamy JK, Sinha S, et al (Poster), Dissecting the role of autophagy in elucidating the differential response of oligodendrocytes and astrocytes to hypoxic injury *in vitro*, FENS Forum 2024, 25-29 June 2024, Vienna, Austria

55. Yadav R, Sachan A, Raj B, Singh A, Aggarwal S, Study of the mRNA expression of visceral adipose tissue derived factor CRISPLD1 as a potential adipokine implicated in affecting cardiovascular health in obesity (poster presentation), 17th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) Congress, 31 October-3 November 2024, Sydney

56. Gupta Yakhlesh, Malik Nargis, Goswami Sanjeev, Arora Manvi, Kundu Archismita, Kapoor Mani, et al, FAT1 knockout upregulates autophagy in human glioblastoma: A potential axis as therapeutic target "Oral Presentation", World Congress on Translational Cancer Research & Immunotherapy (WCTCRI-2025), 10 February 2025, Jaipur

AWARDS

1. Alisha Arora received FIMSA 2024 Travel award for attending FIMSA conference held in Taiwan in October 2024.
2. Ankit Kumar received Best Poster Award.
3. Ayesha received First Prize for Best Poster Presentation.
4. Ayesha Rehman received First Prize for Best Poster Presentation.
5. Ayesha received Certificate of Appreciation from the NBRCOM conference.
6. Neeti Bharadwaj won "Second Prize" in MSc students (Poster) category, on 4th Research Day at AIIMS, New Delhi on 30 January 2025.
7. Deepak Vats received FIMSA 2024 Travel award for attending FIMSA conference held in Taiwan in October 2024.
8. Deepak Vats received Best Oral Presentation Award.
9. Deepak Vats received Certificate of Appreciation.
10. Anjli Gaur awarded 1st Prize for Poster Presentation.
11. Pankaj received Certificate of Appreciation.
12. Komal Sagar received Travel Award from North American Vascular Biology Organization (NAVBO) for the Vasculata Meeting, July 2024 held at Stanford University, USA.
13. M Shadang awarded financial assistance as international travel support from the DST, Government of India.
14. M Shadang received DNATV 2024 Conference Grant from the DNA Virus Conferences, Italy.
15. Manvi Arora, PhD – Received International Travel Grant from the Japanese Society of Medical Oncology (JSMO) for the 2025 conference. She also received AIIMS Endowment Fund International Travel Grant for attending JSMO 2025.
16. Blessed Raj received APFCB scholarship for travel, registration, and hotel accommodation to attend the conference in Sydney, Australia.
17. Harsh Bhakhri awarded First Prize – Oral Presentation (PhD Category).
18. Aradhana Sarma awarded Commendation Award for Poster Presentation (JR Category).
19. Shaikh A Mubeen received Commendation Award.
20. Swarandeep Singh awarded Best Poster Award.

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022–2023	2023-2024	2024-2025
71	**76**	**56**

RESEARCH

Funded projects

Ongoing

1. A Point-of-Care Acute Kidney Injury Predictor for Patients with Acute-on-Chronic Liver Failure, Pragyan Acharya, BIRAC-BIG, 18 Months, 2023-2025, Rs 49 Lakhs
2. A prospective pilot study comparing fibrotic mediators in adipose tissue as predictors of metabolic malleability in good vs poor responders of bariatric surgery, Dr Rakhee Yadav, AIIMS (Interdisciplinary Collaborative Intramural Research Grant), 2 Years, 2025-2027, Rs 10 Lakh
3. A study of the impact of *TET2* promoter methylation on *TET2* expression in AML patients and the effect of epigenetic modifiers in cell lines, Dr Karthikeyan P, AIIMS Collaborative IMRG, 2 Years, 2024-2026, Rs 10 Lakhs

4. An therapeutic strategy for tackling drug resistant triple negative breast cancer using a targeted approach for co-delivery of siRNA and chemotherapeutic drug.", Dr Kunzang Chosdol, ICMR, 3 Years, 2025-2028, Rs 26 Lakhs
5. Biochemical Analysis of the interaction between Joubert Syndrome associated protein CSPP-1 and R2TP complex, Riyaz Ahmad Mir, AIIMS UG undergraduate research, 1 Year, 2025-2026, Rs 1.5 Lakhs
6. Characterizing the role of Insulin like Growth factor 2 Binding Proteins (IGF2BPs) in modulating the PI3K/AKT pathway and metabolic phenotype of B-Cell Acute Lymphoblastic Leukemia (B-ALL), Jayanth Kumar Palanichamy, Collaborative Intramural Research Grant AIIMS, New Delhi, 2 Years, 2024-2026, Rs 20 Lakhs
7. Characterizing, Reviving, Supporting, Monitoring and Managing Sustainable Food Systems to address malnutrition in indigenous tribal communities of India. CARISMMA sustainable food systems study, Archna Singh (Center PI), India Alliance: Team Science Grant, 5 Years, 2023-2028, Rs 988 Lakhs (93.2 AIIMS share)
8. Comparative Analysis of Immunoglobulin Genetic Diversity in Indian-Origin Bonnet and Rhesus Macaques, Marmosets, and African Green Monkeys: Potential Non-Human Primate Models for HIV Vaccine Research (As Mentor), Dr Kalpana Luthra (Mentor) for project PI, ICMR, 2.5 Years, 25 November 2024-24 May 2027, Rs 28.4 Lakhs
9. Construction of therapeutic cells with synthetic circuits targeting relapse in B-cell Acute Lymphoblastic Leukemia, Jayanth Kumar Palanichamy, ICMR Intermediate Grant, 4 Years, 2024-2028, Rs 308 Lakhs
10. Deciphering the synergism between IGF2BPs and m6A machinery in B-cell Acute Lymphoblastic Leukemia, Jayanth Kumar Palanichamy, SERB Core Research Grant (CRG), 3 Years, 2022-2025, Rs 63 Lakhs
11. Delineating and characterizing the m6A RNA methylation marks in primary and relapsed B-cell Acute Lymphoblastic Leukemia (B-ALL), Jayanth Kumar Palanichamy, ICMR Small Grant, 3 Years, 2025-2028, Rs 93 Lakhs
12. Delineating the co-evolution of HIV-1 broadly neutralizing antibodies and circulating viruses in mono-zygotic twins pediatric elite-neutralizers, Dr. Kalpana Luthra, SERB, 3 Years, 2021-2024, Rs 47.4 Lakhs
13. Delineating the molecular mechanisms involved in relapse of pediatric B-cell Acute Lymphoblastic Leukemia, Jayanth Kumar Palanichamy, DHR Grant-In-Aid Intersectoral Research Grant, 3 Years, 2023-2026, Rs 59 Lakhs
14. *Developing DdpMPyPEPhU as a Multitargeted Drug for Breast Cancer Using AI-Guided Enumeration-Based Optimisation, Synthesis, and Preclinical Evaluation in PDX Model*, Dr Pramod Kumar Gautam, ICMR, New Delhi, 3 Years, 2024-2027, Rs 98 Lakhs
15. Development of a CRISPR-Cas9 based AAV (Adeno Associated Virus) vector for HDR (Homology Directed Repair) mediated genetic correction as a therapeutic intervention for Gaucher's disease, Jayanth Kumar Palanichamy, ICMR Rare Disease Grant, 3 Years, 2024-2027, Rs 54 Lakhs
16. Development of anti-proliferative agent form boerhaabia diffusa and citrullus colocynthis plant extract in human bladder cancer, Dr Pramod Kumar Gautam, IMRG, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
17. Development of therapeutic broadly neutralizing monoclonal antibodies against circulating HIV-1 clade C in children and adults, Dr. Kalpana Luthra, DBT, 3 years, 18 September 2023, 17 September 2026, Rs 319 Lakhs
18. Editing of Atoh1 in cadaver derived supporting cells for the regeneration of auditory cells, Riyaz Ahmad Mir, ICMR, 3 Years, 2021-2024, Rs 70 Lakhs
19. *Elucidating the Role of Exosomal microRNAs in Immunomodulation of γ-δ T Cells in the Tumor Microenvironment of Pancreatic Ductal Adenocarcinoma*, Dr. Pramod Kumar Gautam, ANRF, New Delhi, 3 Years, 2024-2027, Rs 60 Lakh
20. Elucidating the targeted, therapeutic role of docetaxel-loaded-HSP70 peptide complex in PDX Mouse Models, Dr. Pramod Kumar Gautam, ICMR, New Delhi, 3 Years, 2024-2027, Rs 88 Lakhs
21. Evaluating effect of astrocytes on oligodendrocyte function by influencing cholesterol metabolism in a model of hypoxic brain injury, Dr Sudip Sen, DHR, 3 Years, 2023- 2026, Rs 54.7 Lakhs
22. Evaluating the potential role of homeopathic medicines in a cellular model of cerebral palsy in vitro, Dr. Sudip Sen, CCRH, Ministry of AYUSH, 2 Years, 2024-2026, Rs 45.5 Lakhs
23. Exploring the anti-atherogenic role of adipose tissue derived CRISPLD1 by its ability to bind cholesterol, fatty acids and inflammatory leukotrienes, Dr Rakhee Yadav, ICMR, 3 Years, 2025-2028, Rs 86 Lakhs

24. Exploring the impact of endogenous protein derived peptide on restoration of pRB and p53 in cervical cancer, Riyaz Ahmad Mir, ICMR Small Grant, 3 Years, 2025-2028, Rs 114 Lakhs
25. Exploring the link between fatty acid metabolism and bioenergetics in pediatric B-cell leukemias: implications for tumor survival and treatment response, Archna Singh, SERB Core Research Grant (CRG), 3 Years, 2023-2026, Rs 34.79 Lakhs
26. Investigating pathophysiological Mechanisms and Biomarkers in Meniere's Disease A multi objective study, Riyaz Ahmad Mir, Collaborative Intramural Research Grant AIIMS, New Delhi, 2 Years, 2024-2026, Rs 20 Lakhs
27. Multi-institutional grant "An Integrative Clinico-Proteo-Genomics Approach Towards Biomarker Development for the Monitoring of Non-Alcoholic Fatty Liver Disease (NAFLD) Progression to Adverse Outcome", Pragyan Acharya, DHR, 3 Years, 2023-2026, Rs 130 Lakhs
28. Multisectoral Nutrition intervention for Anemia Reduction Initiative (NARI): Implementation Research for Improving Women's Health in Tripura, India**,** Archna Singh (Center PI), ICMR, 3 Years, 2024-2027, Rs 150 Lakhs (no finance at AIIMS)
29. NLRP3 Inflammasome gene polymorphisms and their expression in Periodontitis- a genetic study in North Indian population, Alpana Sharma, AIIMS Collaborative, 2 Years, 2022-2024, Rs 17.5 Lakhs
30. Role of M1 macrophage on DNA methylation and PI3K-AKT Signaling Pathway analysis in tumor-associated mesenchymal stem cells in Breast cancer, Dr Pramod Kumar Gautam, IMRG, AIIMS, New Delhi, 2 Years, 2023-2025, Rs 10 Lakhs
31. Role of PIH1D1: A Component of R2TP Complex in thyroid cancer, Riyaz Ahmad Mir, AIIMS Intramural, 2 Years, 2023-2025, Rs 10 Lakhs
32. Role of Tel2 protein in thyroid cancer, Riyaz Ahmad Mir, AIIMS MD thesis grant, 2 Years, 2024-2026, Rs 2 Lakhs
33. Study of humoral immune response and its genetic correlates in infection free "resisters" among household contacts of adult pulmonary tuberculosis, Archana Singh II, SERB, 3 Years, 2022-2025, Rs 39 Lakhs
34. Study of the FAT1-PDCD4 signaling axis in Periampullary cancer, Dr. Kunzang Chosdol, ICMR, 3 Years, 2021-2024, Rs 49.80 Lakhs
35. Study of the molecular profile of nasopharyngeal carcinoma in the north eastern region and its relation of Epstein-Barr barr virus (EBV) infection, Subhradip Karmakar, ICMR, 3 Years, 2024-2027, Rs 65 Lakhs
36. Targeting oncogenic signaling of the atypical cadherin FAT1 by small molecules in a glioma tumor model, Dr. Kunzang Chosdol, ANRF (SERB), 3 Years, 2025-2028, Rs 70.79 Lakhs
37. Targeting the Metabolic Reprogramming of Innate Immune Responses as a Therapeutic Strategy in Acute-on-Chronic Liver Failure, Pragyan Acharya, SERB, 3 Years, 2024-2027, Rs 57,89,695
38. To assess synergistic role of mycobacterium indicus Pranii and human beta defensin treatment on bacterial clearance in macrophage pf patients having pulmonary tuberculosis with chronic hyperglycemia, Archana Singh-Mentor II, UG Mentorship Grant, 1 Year, 2024-2025, Rs 1.5 Lakh
39. To characterise gelsolin gene expression and its impact on inflammatory pathways and survival outcomes in patients of Acute Myeloid Leukemia, Dr Karthikeyan P, AIIMS IMRG, 2 Years, 2023-2025, Rs 10 Lakhs
40. To Characterize T cell immune response against MTB antigens PPE15 and PE_PGRS45 in spectrum of adult pulmonary tuberculosis infection, Archana Singh II, ICMR and AIIMS thesis grant, 2 Years, 2023-2025, Rs 2 Lakhs
41. To determine the role of differentially expressed micro-RNAs & their protein targets present in tumor site of pancreatic cancer patients, Dr. Pramod Kumar Gautam, Inter-disciplinary IRG, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 20 Lakhs
42. To investigate the potential of Atoh1 knock in approach using CRISPER mediated adenovirus for hair cell regeneration in mouse cell lines derived from the organ of corti, Riyaz Ahmad Mir, AIIMS Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
43. To investigate the therapeutic potential of F2RL3-NLRP3 inflammasome axis modulation in ameliorating obesity induced fibro-inflammation, Dr Rakhee Yadav, DST-SERB (CRG), 3 Years, 2024-2027, Rs 36 Lakhs

44. To Investigate the Effect of environmental Particulate matter (urban pollutants) and heavy metal exposure on placenta trophoblast cells and fetal development, Subhradip Karmakar, ICMR, 3 Years, 2024-2027, Rs 75 Lakhs
45. Transcriptome analysis to define Novel Pathways in Adenoid cystic Carcinomas and to correlate with clinical outcome, Kunzang Chosdol, AIIMS (Collaborative Intramural grant), 2+1 years, 2021-2024, Rs 10 Lakhs
46. Tumor dynamics & Immune cell interactions in Anaplastic Thyroid Carcinoma, Riyaz Ahmad Mir, ICMR, 3 Years, 2021-2024, Rs 30 Lakhs
47. Understanding Inter Compartmental Crosstalk between Insulin-sensitive and insulin-resistant obese and non-obese phenotypes using Adipose Tissue, Archna Singh (center PI), DBT, 3 Years, 2021-2024, Rs 19.2 Lakhs
48. Understanding the role of neutrophil heterogeneity and its therapeutic potential in the inflammatory liver disease Acute-on-Chronic Liver Failure (ACLF), Pragyan Acharya, SERB, 3 years, 2022-2025, Rs 45.14 Lakhs
49. Unravelling the Significance of FAT1- regulated Microprotein miPEP133 in Glioma Aggressiveness, Dr. Kunzang Chosdol, Lady Tata Memorial Trust, 3 Years, 2025-2028, Rs 75.03 Lakhs

RESEARCH OVER PAST 3 YEARS

Research projects Year	2022-2023	2023-2024	2024-2025
Total funded projects	49	42	49
Total funding (Lakhs)	Rs 7350 Lakhs	Rs 6903 Lakhs	Rs 3746 Lakhs

Completed

1. Adaptive Immune Responses to Covaxin and Covishield: A comparative study, Jayanth Kumar Palanichamy, AIIMS Intramural Research Grant, 2 Years, 2021-2023, Rs 10 Lakhs
2. CARE in Pancreatic Diseases (As Co-PI), Dr Parmod Garg, ICMR, 5 Years, 2019-2024, Rs 506 Lakhs
3. Development of diagnostics and experimental therapeutics using CRISPR-based technologies, Dr Kunzang Chosdol, DBT (Multi-Institutional), 4 Years, 2020-2024, Rs 58.00 Lakhs
4. Effect of hypoxia on different neural cell types in vitro – a model to design therapeutic strategies against cerebral palsy in preterm infants, Dr. Sudip Sen, DBT, 5 years, 2018-2023 (No cost extension up to 15 April 24), Rs 69 Lakhs
5. Evaluation of a liposome-based cholesterol efflux assay against a macrophage-based efflux assay for measurement of reverse cholesterol transport capacity of HDL, Archna Singh, ICMR, 2 Years, 2021-2023, Rs 28 Lakhs
6. Evaluation of tumor-derived exosomes in blood during pre and post treatment of pancreatic cancer patients, Dr. Pramod Kumar Gautam, Inter-disciplinary IRG, AIIMS, New Delhi, 3 Years, 2021-2023, Rs 20 Lakh
7. Genomic Landscape of Pediatric Acute Myeloid Leukemia (AML)", Riyaz Ahmad Mir, Inter-disciplinary IMRG, AIIMS, New Delhi, 2 Years, 2022-2023, Rs 20 Lakhs
8. Metabolic reprogramming in B-ALL: identification of gene networks correlating with prognosis and chemoresistance in vivo and a novel *ex-vivo* primary culture model, Archna Singh, AIIMS Intramural Collaborative Grant, 2 Years, 2021-2023, Rs 20 Lakhs
9. Numerical approximation of reaction-specific disassociation constants from the convex cone of a generic metabolic network", Siddhartha Kundu, SERB-MATRICS, 3 Years, 2022-2025, Rs 6 Lakhs
10. Role of FAT signalling in Oligodendroglioma: Identification of novel molecular targets and their clinical implications, Dr Kunzang Chosdol, ICMR, 3.1/2 Years, 2021-2024, Rs 38.67 Lakhs
11. Role of nuclear receptor network signaling in pathogenesis of gallbladder cancer", Subhradip Karmakar, DHR, 3 Years, 2021-2024, Rs 60 Lakhs
12. Role of TET2 in MDS, Subhradip Karmakar, AIIMS, 3 Years, 2021-2024, Rs 10 Lakhs
13. Study of Visceral Adipose Tissue (VAT) derived factors as modulators of co-morbidities in obesity, Dr Rakhee Yadav, AIIMS Intramural, 2 Years, 2023-2025, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Cytosine DNA Base Editing approach to correct the L483P mutation and comparison of efficiency with CRISPR-directed RNA editing
2. A study of immune responses in the pathophysiology of Human chronic pancreatitis
3. An integrated clinical proteomics approach towards biomarker development for the monitoring of metabolic dysfucation associated steatotic liver disease (MASLD) progression of adverce outcomes
4. Analysis of the role of few biomarkers in thyroid carcinoma
5. Analyze the expression of Tel2 in Thyroid cancer
6. Assessment of novel salivary biomarkers as compared to established serum biomarkers in predicting preeclampsia – a pilot study
7. Characterization of B cell receptor repertoire of HIV-1 subtype C infected individuals and generation of anti HIV-1 monoclonal antibodies
8. Characterization of gelsolin gene expression and its impact on inflammatory pathways in patients of Acute Myeloid Leukemia
9. Characterization of monocytes and macrophages in acute on chronic liver failure
10. Characterization of T cell immune response against M.tb secretory protein PE3 immunogenic peptides in spectrum of tuberculosis infection
11. Characterizing the epitranscriptomic network in B-cell acute lymphoblastic leukemia
12. Development of immune cell therapy targetingsolubleproteins in Acute lymphoblast leukemia
13. Effect of dietary anti-oxidants on mitochondrial fitness parameters
14. Elucidation of the Functional aspects and underlying Epigenetic Regulation of POTEB in Ovarian Cancer.
15. Engineering therapeutic cells with synthetic receptor circuits targeting B-cell acute lymphoblastic leukemia
16. Epigenetic regulation of FAT1 expression in cancer cells
17. Evaluation of CRISPR mediated Atoh1 knock in on hair cell differentiation in cells derived from Murine organ of corti
18. Evaluation of procollagen-3 and cytokeratin-18 as potential biomarkers in metabolic dysfunction associated steatotic liver disease-
19. Evaluation of Visceral Adipose Tissue derived P-Selectin Glycoprotein Ligand-1, Thrombospondin-1 and Versican as mediators of platelets activation in obesity (MSc thesis)
20. Exploring the role of fibronectin/integrin/actomyosin-axis in microgravity-mediated modulation of macrophage function: A modeling and simulation study".
21. FAT1 and autophagy in cancer cells
22. FAT1 and metabolic Reprogramming in cancer
23. FAT1 protein: Its processing and cellular function in glioma cells
24. Functional Analysis of Human Long Non-Coding RNAs (lncRNA) and their Association with Spatial Genome Organization in Cancer.
25. Functional interaction of FAT1, p53 and p300 in glioma cells
26. Functional link between FAT1 and YAP1 in glioma cells
27. Gene expression profile of DNA methylation machinery in AML and AML-MRC
28. Generation & Charecterization of infectious molecular clones from HIV-1 viral envelopes derived from infected children
29. Generation and characterization of lineage-based envelope trimers from HIV-1C infected paediatric neutralizers

30. Immunotherapeutic potential of novel Prostate, Placenta, Ovary, Testis- Expressed (POTE) Antigen in ovarian cancer.
31. Impact of Lipid Metabolic Reprogramming on Mitochondrial function and Biogenesis in Pediatric B-cell Acute Lymphoblastic Leukemia
32. Influence of different grades of hyperglycemia on innate immune response in pathophysiology of active tuberculosis
33. Investigating the differential gene expression of Hsp70 family proteins across various stages of oral squamous cell carcinoma
34. Investigating the role of ceramide-Sphingosine axis on mitochondrial functions and endothelial health
35. Isolation and characterization of human neutralizing monoclonal antibodies generated during natural HIV-1 infection.
36. Mechanisms of acute kidney injury in cute-on-chronic liver failure
37. Molecular Mechanism of Cancer-Testis/Germline Antigen POTEB/B2 in Ovarian Cancer
38. Molecular Relationship between the FAT1 Gene and Lipid Metabolism in Glioma
39. R2TP expression and significance in Thyroid Cancer
40. Receptor-Receptor Interaction that modulate inflammation in acute-on-chronite liver failure
41. Receptor-TLR Interactions Modulating Inflammation in Acute-on-Chronic Liver Failure (ACLF)
42. Role of E7 in hijacking the function of the R2TP complex
43. Role of FAT signalling in Oligodendroglioma: Identification of novel molecular targets and their clinical implications
44. Role of Macrophages phenotype in the regulation of mesenchymal stem cell migration and development in breast cancer
45. Role of mesenchymal stem cells in survival of mycobacterium tuberculosis and reactivation of tuberculosis
46. Role of Natural Killer cells in pathophysiology of extrapulmonary tuberculosis
47. Role of negative regulators of EGFR in Malignant transformation of Oral Dysplasia
48. Role of Prothymosin in glial tumorigenesis
49. Study of functional link between FAT1 and Microproteins in Cancer Cells
50. Study of immune response in TST and IGRA negative household contacts of adult pulmonary tuberculosis
51. Study of Quantitative comparison of expression of Protease Activated Receptor 4 (PAR 4) and NLRP3 Inflammasome in Adipocytes of Obese and Non-Obese Individuals (MD thesis)- AWARDED ICMR MD THESIS SUPPORT 2024
52. Study of the FAT1-PDCD4 signaling in Periampullary cancer
53. Study on 3D genome architecture as an epigenetic regulator of pericentromerically localized cancer-testis/ germline antigen POTE in cancer.
54. Targeted epigenetic modulation of FAT-1 gene in cell lines for altering cancer cell phenotype
55. To characterize cell mediated immune response against unique T cell epitopes in spectrum of tuberculosis infection
56. To Characterize T cell immune response against MTB antigens PPE15 and PE_PGRS45 in spectrum of adult pulmonary tuberculosis infection
57. To elucidate the role of ECM-Adipocyte communication in obesity induced adipose tissue dysfunctions (PhD thesis)
58. To study the immunomodulatory effect of tumor derived exosomes on gamma delta T- cells
59. VDAC and VDAC associated proteins as modulators of mitochondrial function in pediatric B cell acute lymphoblastic leukemia

Completed

1. A mathematical modelling and simulation study to investigate the relationship between the LPS/PGE2/cAMP-axis and metabolic induction of macrophage polarization"
2. Analysis of cell-free nucleic acids in serum of patients with Acute-on-Chronic Liver Failure (MSc)
3. Characterization of Innate Immune Responses in Acute-on-Chronic Liver Failure
4. Comparative TNF alpha profiling in Plasmodium vivax infected Severe and Mild Malaria Patients
5. Effect of environmental particulate matter (urban pollutants) and gaseous (SO2) pollutants on placental trophoblast invasion and differentiation: an insight into the role of pollution in placentalinsufficiency & fetal development
6. Elucidating the adjunctive ant tumorigenic potential of long chain fatty acid derivatives and niflumic acid in multiple myeloma cells
7. Evaluation of Chemotactic Potential of ACLF Derived Neutrophils.
8. Exploring macrophages and NK cells in the immunopathogenesis of pemphigus
9. Exploring the role of innate lymphoid cells in the immunopathogenesis of pemphigus vulgaris
10. Functional interaction of FAT1 and miRNA in glioma
11. Generation and characterization of pediatric HIV-1 envelope trimers towards immunogen design
12. Molecular Signature of Glioma in the context of WHO 2016 classification of Glioma
13. Phenotypic and functional characterization of myeloid derived suppressor cells (MDSCs) and regulatory T cells (Tregs) in atherosclerosis
14. Proteomics of Small Intestinal Biopsies in Celiac Disease
15. Role of Macrophages in vitiligo
16. Role of memory T cells in renal cell carcinoma
17. Role of TAMs in autophagy and related molecules in Bladder cancer
18. Signaling interactions between FAT1, p53 and HIF1a in glioma
19. Study of B cell subsets and their immune regulatory functions in urothelial carcinoma of bladder
20. Study of bdellovibrio bacteriovorus as a live antibiotic against mycobacterium tuberculosis
21. Whole exome sequencing in hypertriglyceridemia: An exploratory study.

Collaborative projects

Ongoing

1. A prospective pilot study comparing fibrotic mediators in adipose tissue as predictors of metabolic malleability in good vs poor responders of bariatric surgery, Surgical Disciplines AIIMS Delhi
2. A randomized placebo-controlled trial to assess efficacy of vitamin D supplementation in non-cystic fibrosis bronchiectasis patients, Medicine
3. A randomized, open-label, controlled clinical trial to decipher the role of chronopharmacokinetics and chrono-genomics of tyrosine kinase inhibitors in the treatment of non-small cell lung cancer patients, Pharmacology
4. A study on the underlying immune deficits and co-infections in patients with chronic pulmonary aspergillosis, Medicine
5. Aberrant Lipid Metabolic Pathways as Novel Molecular Targets in Aggressive Ocular Malignancies, Pathology, Dr. RP Centre, AIIMS
6. Anemia Research Consortium as part of National Centre of Excellence and Advanced Research on Anemia, Community medicine
7. Chemotherapeutic Effect of a Selected Unani Medicine in Xenograft Mouse Model of Lung Cancer, Pharmacology

8. Chrono-pharmacokinetics and chrono-genomics of tyrosine kinase inhibitors in non-small cell lung cancer patients: RCT, Pharmacology
9. Comparison of the outcomes of using connective tissue graft vs volume stable collagen matrix with modified coronally advanced flap for the treatment of multiple adjacent gingival recessions: A randomized clinical trial with molecular analysis, Periodontics (CDER AIIMS)
10. Developing DdpMPyPEPhU as a Multitargeted Drug for Breast Cancer Using AI-Guided Enumeration-Based Optimisation, Synthesis, and Preclinical Evaluation in PDX Model, Jamia Millia Islamia, New Delhi
11. Development and preclinical validation of shared multiepitope vaccine against tuberculosis and malaria, TB Immunology group, ICGEB
12. Exploratory analysis of the association between pyrethroid exposure and Parkinson's disease: A case-control study, Department of Pharmacology
13. Generation and charecterization of therapeutic BCMA (B cell maturation antigen) specific antibodies in multiple myeloma (MM), Department of Medical oncology, AIIMS, New Delhi
14. Host and environmental factors in the acute exacerbations of childhood interstitial lung disease, Department of Pediatrics, AIIMS, New Delhi
15. Immune signatures and role of neutrophils in pathophysiology of post tuberculosis pulmonary sequelae, Physiology
16. Immunoporosis: Establishing the role of Gtu-Innate Cells in Obteoporosis, Department of Biotechnology, AIIMS, New Delhi
17. Impact of host Genomic Landscape and Environmental Factor on Gut Microbiome Profiles of Children with Congential Uropathies Prone to Urinary Tract Infections, Department of Pediatric Surgery, AIIMS, New Delhi
18. IMRG: nutritional status of pregnant women as assessed by nutrient intake, anthropometry and selected serum biomarkers in an urban slum of delhi-A community based prospective study, Community medicine
19. Infulence of Vitamin D-Binding Protein Gene Polymorphisms on Urinary Microbiome-Metabolome Profile of Children with Congential Uropathies Prone to Urinary Tract Infections, Department of Pediatric Surgery, AIIMS, New Delhi
20. Investigating clinically relevant genetic mutations and risk biomarkers in lung cancer using exhaled breath condensates (EBCs), Department of Pulmonary, AIIMS, New Delhi
21. Investigating DNA Methylation Profile in Boys with Posterior Urethral value Prone Progressive Deterioration of Kidney Function, Department of Pediatric Surgery, AIIMS, New Delhi
22. Monoclonal Antibodies form Dengue Virus infected patients, Department of Biotechnology, School of Chemical & Life Sciences, Jamia Hamdard
23. Prevalence of Immunoparalysis in severe sepsis, Department of Pediatrics, AIIMS, New Delhi
24. Prognostic Role of Serum Levels of Visfatin and Adiponectin and Tissue Expression of Pyruvate Kinase M2 in Patients with Endometrial Cancer, Obs and Gynecology
25. Role of Matrix Metalloproteases and their inhibitors in the pathogenesis of abdominal wall hernias – A prospective case control study, Surgery, AIIMS, Delhi
26. Targeting SLE heterogeneity in geriatric and childhood lupus using single-cell transcriptomics and validation using a CRISPR-based gene editing system for patient-specific precision medicine", Manipal University, MAHE
27. To determine the role of differentially expressed micro-RNAs & their protein targets present in tumor site of pancreatic cancer patients, Surgical Discipline, AIIMS, New Delhi
28. To Investigate atherosclerotic risk factors related miRNA network regulating the inflammasome pathway in coronary artery disease, Cardiology, AIIMS
29. To study the immunomodulatory effect of tumour derived exosomes on γδ T cells, Biochemistry

30. Transcriptome analysis to define Novel Pathways in Adenoid cystic Carcinomas and to correlate with clinical outcome, Pathology, Dr RP Centre, AIIMS

Year	Total Number of Departmental projects in the Biochemistry	Total Number of collaborative projects in the Biochemistry
2022-2023	67	68
2023-2024	63	49
2024-2025	60	30
Total	**190**	**147**

Completed

1. A study on hydrogen sulphide mediated transcriptional modulation using trophoblast cells and their association in preeclampsia, Department of Anatomy, AIIMS, New Delhi
2. Evaluation of tumor-derived exosomes in blood during pre and post treatment of pancreatic cancer patients, Surgical Discipline, AIIMS, New Delhi
3. Identification of factors predictive for weight loss after bariatric surgery: Building a Model for improving outcomes and maintaining weight loss, Surgical Disciplines AIIMS Delhi
4. Molecular Characterization of malignant lacrimal gland tumours, Pathology, Dr. R.P. Centre, AIIMS
5. Molecular characterization of NFkB pathway in uveal melanoma, Pathology, Dr. R.P. Centre, AIIMS

PATIENT CARE

PORPHYRIA TESTS:

This test was started from year 2020 in our department

2022-2023	2023-2024	2024-2025
87	150	223

Clinical Biochemistry Laboratory (Porphyria testing) is a small sized Laboratory (<100 samples/day) under the Department of Biochemistry AIIMS Delhi. It provides diagnostic services to the registered patients of the Institute by performing porphyria screening test. There is a qualitative test for estimating the presence of urine porphobilinogen (Watson Schwartz reaction). This test screens for HCP (Hereditary Coproporphyria), AIP (Acute Intermittent Porphyria) and VP (Variegate Porphyria). The other test is semi-quantitative where urine and plasma porphyrin is measured in terms of the peak of fluorescence intensity at a particular spectrophotometric wavelength. The Tests are done manually with a turnaround time of twenty-four hours.

The number of tests/investigations are thrice per pt. sample as its panel of three tests.

Quality control:

Apart from routine internal quality assurance scheme, Successful monthly participation in External quality assurance scheme (EQUAS) for last one year to deliver quality reports.

It is further stated that the lab got NABL accreditation and all tests are now NABL accredited. Two of our faculty Dr. Rakhee Yadav and Dr. Archana Singh are In charges of Renal Lab. They are also In charges of Quality Assurance and Signatory Authority.

Publications:

Journals: 45 **Abstracts:04** **Chapters in Book:02**

PUBLICATIONS OVER PAST 3 YEARS

Year	2022-2023	2023-2024	2024-2025
Journal articles	69	56	45
Abstracts	18	12	4
Total no of ChaptersPublished	01	03	2
Total	88	71	51

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Kalpana Luthra was Instructor for the FIMSA Immunology Course and a plenary speaker in GIS-2025 (Global Immunology Summit) from 13-15 February 2025 at BRIC-THSTI. She was Chief of CMETi, AIIMS, New Delhi w.e.f 1 April 2024. She was Fellow of National Academy of Science, India (NASI). She was Fellow of Indian National Science Academy (INSA). She was Fellow of The National Academy of Medical Sciences India (*FAMS*). She was Co-Chairperson of the Repository Access Committee (RAC) for National HIV Cohort Program (Cohorts of HIV Resistance and Progression in Indian Children and Adults – CoHRPICA). She was Member of the Governing Body of National Institute of Animal Biotechnology (NIAB) Hyderabad w.e.f September 2021 for 3 years. She was Member of Evaluation committee for promotion of faculty members of Faculty of LifeScience & Biotechnology (FLSB), South Asian University, 26 April 2024. She was Member of Expert Committee for Translational activities in Biotechnology Industry Research Assistance Council (BIRAC). She was Member of the Jury for Sun Pharma Science Foundation Science Scholar Awards 2022-2024. She was Member of the THSTI-JNU Academic Committee. She was Co-Chairperson of scientific committee of the Annual conference of the IABS-24 North-Zone 5-6 August 2024. She was Patron at "Labtechcon 2024", 43rd All India Conference & Scientific seminar, All India Medical Laboratory Technologist Association, 21and 22 October 2024, AIIMS, New Delhi. She Organized AIIMS, CSIR-CCMB open house 16 August 2024 in AIIMS, New Delhi. She was Life Member of Indian Society of Translational Research. She was Member of Project Review Committees (Basic Science-Committee-1) of Early Career. She was Member of the Aspire Life Sciences Research Committee. She was Chairperson of Teaching Curricum Committee for MBBS, Phase I, AIIMS. She was Co-chairperson of Annual Report Committee. She was Member for vetting single responsive bid tender At AIIMS New Delhi. She was Member of Expert Committee Meeting for evaluation of ongoing & completed projects under International Cooperation Bilateral Program by DBT. She was Member (Medical Sciences) of the Travel Grant and Symposia Management (TGSM) Unit of CSIR-HRDG. She was Editorial Board Member of Indian Journal of Clinical Biochemistry. She was Member of Technical Expert Group (TEG) committee to deal with appeals referred to the central government under the NMC Act, MOHW. She was Chairperson for Institutional Ethics Committee at University School of Biotechnology Guru Gobind Singh Indraprastha University, w.e.f 23 December 2020. She was Reviewer of manuscript submitted to Msphere. She was Member of the Technical Expert Committee for Infectious disease biology program of DBT, from April 2022.

Professor Alpana Sharma was Awarded IIS- Senior Scientist Oration award by Ind Immunology Soc at IISc Banglore in IMMUNOCON-2024. She received travel award by my PhD student Komal Sagar from North American Vascular Biology Organization (NAVBO). In Vasculata Meeting, July 2024 held at Stanford University, USA. She was External expert at Research committee of Department of Biochemistry, JN `Med College, AMU, Aligarh.

Professor Kunzang Chosdol delivered Dr P Lali Memorial lecture during CME program on Advances in Biochemical, MAMC, on 8 March 2025 on "Biomarkers and Beyond: The Expanding Role of Biochemists in Personalized Medicine". Chaired a workshop session on "SANGER SEQUENCING, FRAGMENT ANALYSIS AND DIGITAL PCR" during 7th Annual Conference of Neuropathology Society of India (NPSICON 2025). Organized by: Neuropathology Laboratory, AIIMS, New Delhi, on 20 February 2025 at SET facilty, AIIMS, Delhi.

Professor Archana Singh II received KP Sinha-PS Krishnan Award-Best paper published in Indian Journal of Clinical Biochemistry: Sudhasini Panda, AmbrishTiwari, Vivek Kumar, Kalpana Luthra, Kuldeep Kumar, Archana Singh*. Protective Role of Vitamin D against Development of Active Tuberculosis in Close Household Contacts of Pulmonary Tuberculosis Patients: A Prospective Cohort Study. Ind J Clin Biochem (2023). Alisha Arora (PhD student) (Poster presentation): (FIMSA 2024 Travel award): Innate immunity in tuberculosis and type 2 diabetes: Bridging Characterization to clinical outcomes. Deepak Vats (PhD student) (Poster presentation): (FIMSA 2024 Travel award): Deciphering the role of IFN gamma independent CD4+ T cell subsets in shaping the immune prospects of *M.tb* exposed Tuberculosis 'Resisters'. Deepak Vats (PhD student) : Best Oral presentation Award, ACBICON 2024: Enhancing Tuberculosis Treatment: Role of *Mycobacterium*

indicus pranii and human beta defensin-2. Deepak Vats (PhD student) (Poster presentation at AIIMS Research Day 2024): Certificate of Appreciation: Exploring the role of IFN-γ independent CD4+ T cell subsets in providing resistance against pulmonary tuberculosis. Shaikhbdul Mubeen Rahim Mubeen (MD student) (Poster presentation at AIIMS Research Day 2024): Commendation Award :CD14++CD16- classical monocyte subset secreting IL-1β and high monocyte to lymphocyte ratio is associated with "Tuberculosis Resister'' Phenotype.

Professor Jayanth Kumar was Selected for the Trust for Education and Training in Cytometry TETC Best Paper Award (Clinical) (Feb 2025). AIIMS Research Excellence Award: First Prize in Basic Science Research (Jan 2025) EMBO Travel Grant (May 2024) for workshop: Intercepting Childhood Blood Cancer: From Single Cells To Malignant Clones, Dusseldorf, Germany.

Dr Pragyan Acharya received AIIMS Research Excellence Award (Certificate of Excellence) in Clinical Research. AIIMS International Travel Fellowship under the AIIMS Endowment Act. Indian Immunology Society's "Women in Immunology" Award for 2025. Task force member in DBT and ICMR. Theses evaluated for: (i) IIT Delhi (MSc), (ii) Indian Institute of Science Bengaluru (PhD), (iii) University of Westminster, UK (PhD). Associate Editor Journal of Clinical and Experimental Hepatology and, Frontiers in Immunology.

Dr Rakhee Yadav was Clinical Biochemistry Lab- Porphyria testing (Department of Biochemistry) is now NABL accredited (MC 7096 dated 16 January 2025). The NABL accreditation certificate has been issued as per ISO15189:2022 (for Medical Laboratories). The Laboratory is doing following screening tests for Porphyria:1. Urine Porphobilinogen 2.Plasma/Urine Porphyrin screening 3. Urine total Porphyrin-Creatinine Ratio.

Dr Pramod Kumar Gautam received Second Prize in Oral Presentation- Awarded to Dr. Pavit Singh (ICMR-STS Fellow under my mentorship) during the 4th Research Day, held on 30 January 2025. Title of Presentation: To Study the Differential Exosomal Abundance in Pancreatic Cancer Patients. Infosys Best Paper in Ecology – Basic Sciences, First Prize Awarded during the 4th Research Day, held on 30 January 2025. Title of Article: Macrophage Infiltration in 3D Cancer Spheroids to Recapitulate the TME and Unveil Interactions Within Cancer Cells and Macrophages to Modulate Chemotherapeutic Drug Efficacy. Best Poster Award Awarded to Ankit Kumar (MSc student under my supervision in Medical Biochemistry) at the International Conference "EVOLVE 2025, " organized by InSEV from March 24–26, 2025, at JL Auditorium, AIIMS, New Delhi. Title of Abstract: Identification & Validation of Differentially Expressed Exosomal miRNA in Pancreatic Ductal Adenocarcinoma (PDAC) Patients.

Dr Karthikeyan Pethusamy was Awarded Sun Pharma Science Foundation Clinical Research Fellowship (3 years fellowship). Enrolled into FAIMER fellowship (2 years fellowship).

Visiting Scientists:

Following scientists visited the department and delivered talks:

1. Dr Mubashir Ahmad Institute of Orthopaedic Research and Biomechanics Trauma Research Center Ulm University Germany on 20 November 2024
2. Dr Raiees Andrabi Associate Professor of Medicine Perelman School of MedicineDivision of Infectious Diseases, Department of Medicine University of Pennsylvania January 2025
3. Dr Prateek Bhardwaj yale university on 14 January 2025

As part of the Department Guest lecture series

1. Smita Bhatia MD, MPH Infosys Chair Oncology University of Alabama USA
2. Mr Praveen Kumar Gupta, Managing Director, Premas Life Sciences Pvt Ltd.
3. Dr Amarnath Natarajan, Ruth Branham Professor, UNMC Eppley Institute for Research in Cancer and Allied Diseases
4. Dr Soni Deshwal, Max Planck Institute for Biology of Ageing in Cologne, Germany

9.4 Biomedical Engineering

Professor and Head

Neetu Singh

Professor

Sandeep Jha

Associate Professors

Dinesh Kalyanasundaram
Amit Mehndiratta
Anup Singh
Deepak Joshi
Jayanta Bhattacharyya

Assistant Professors

Arnab Chanda
Sachin Kumar B
Sarvesh Kumar
Aarat Kalra
Biswarup Mukherjee
Naveen Kumar
Priya Vashisth
Pradipta Mukherjee

Emeritus Professor

Harpal Singh

Visiting Professor

KK Deepak

DST Inspire Faculty

Parvaiz Sheikh

HIGHLIGHTS

The Department of Biomedical Engineering was established in 1971 as a joint venture of AIIMS, New Delhi and Indian Institute of Technology Delhi. The department has applied engineering principles to address medical and biological problems. The department has collaborative projects with major institutes and hospitals in India.

The Department has its vision of dissemination of knowledge & development of techniques, tools and methods for diagnosis, follow-up of treatment responses, drug delivery and help in disease treatment. The faculty of the department are dedicated towards research in the following priority areas:

- Biomaterials
- Bioinstrumentation
- Biomechanics
- Medical Imaging
- Medical Implants

In the past year, the following highlights and recognitions are to be mentioned:

1. Amit Mehndiratta was awarded with E.K. Zavoisky award at 32nd Proceeding of International Society of Magnetic Resonance in Medicine (ISMRM) 2024, USA.
2. Rishabh Bajpai: Received the Distinction in Doctoral Research Award 2024 from IIT Delhi.
3. Rishabh Bajpai: Awarded the Sanjeev Bhatia Memorial Award for Best Thesis, to be conferred during the upcoming convocation.
4. Apoorva (MTech Student): Selected for the Reliance Postgraduate Scholarship, among 100 students nationwide, amounting to Rs 6 Lakhs.

5. Part of the Department of Biotechnology (DBT) high-level steering committee on 'Quantum Biotechnology' entrusted by the Government of India in March 2025 to identify research areas at the interface of quantum sciences and biology for a strong outlook.
6. Co-organized the Brain and Cognitive Science Colloquium, which was a three-day long conference held at IIT Delhi in September 2024, featuring international speakers on emerging multidisciplinary frontiers of brain and cognitive sciences.
7. Leading the IIT Delhi Quantum Biology Initiative (The QuBe) to foster research and development in all areas related to quantum biology at the Institute.

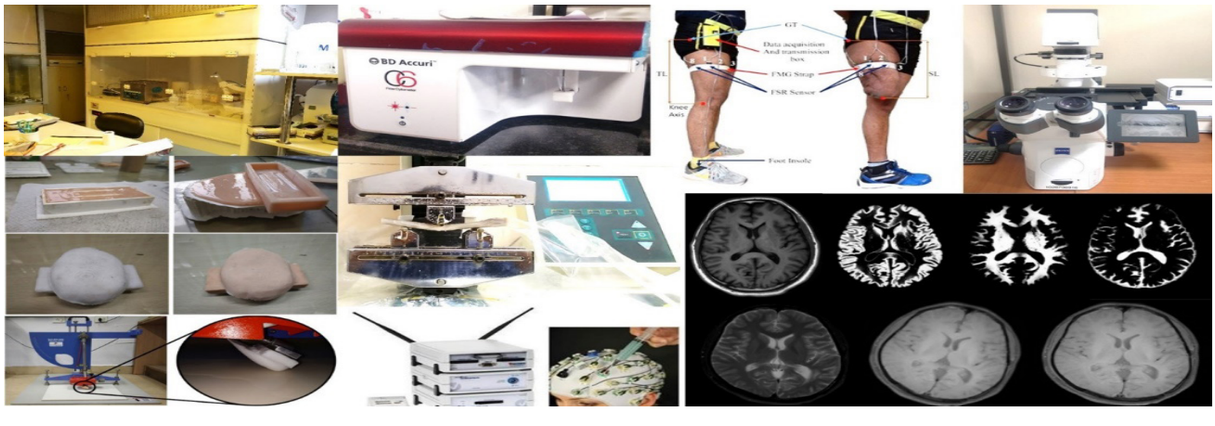


EDUCATION

Apart from research, the department is engaged in teaching where PG, UG and Pre-Ph.D. courses relevant to biomedical engineering are offered at IIT Delhi. 58 PhD students and 7 MTech are currently being supervised by the department's faculty. Seven PhD students and Six MTech students graduated in the past year.

PhD Program in Biomedical Engineering at IIT Delhi

Admission to the PhD programme is normally made on the basis of an interview of eligible candidates conducted by the Centre for Biomedical Engineering (CBME), through its Centre Research Committee (CRC). The CRC may decide to conduct a written test as well, or multiple interviews, or other ways of testing, in order to screen the best suitable candidates. Applications are invited from candidates by advertising in IIT-Delhi web portals in March for the first semester and in October for the second semester every year.



MTech Program in Biomedical Engineering at IIT Delhi



MSR Program in Biomedical Engineering at IIT Delhi



CMEs/Workshops/Symposia/National and International Conferences for the year (2024-2025)

Lectures delivered at CMEs, National and International conferences

Lectures delivered: 7

1. Artificial Intelligence (AI) in Quantitative Cancer Imaging for Response Assessment", Medical Image Analysis using Artificial Intelligence, MIAAI-2024, 23-27 April 2024, Gayatri Vidya Parishad College of Engineering, Visakhapatnam, India
2. Machine learning- Basics and Role in Diabetic Retinopathy, Diabetic Retinopathy 101- Upskilling course for Nursing College, 26 April 2024, All India Institute of Medical Science, New Delhi, India
3. Exploiting AI in Prostate Cancer Assessment Gender Imaging: Prostate & Female Pelvis Session, 32nd Proceeding of International Society of Magnetic Resonance in Medicine (ISMRM), 4 May 2024, Singapore
4. Transforming Healthcare Research to Entrepreneurship", in webinar series on Bold Beginnings: Igniting Your Entrepreneurial Journey, IEEE, 10 May 2024. Kerala Section
5. Medical Imaging for Cancer Prognostication using Artificial Intelligence, Department of Engineering Design, 21 June 2024, IIT Madras, India
6. Neurology-Technology Fused for Better Patientcare Rehabilitation, Indo-French Symposium on Imaging, AI, and Genetics in Neurological Disorders, 16 September 2024, AIIMS, New Delhi, India
7. Panel Discussion on Practical applications of Artificial intelligence and Machine learning in Anaesthesiology: Current trends, Annual Conference of Indian Society of Anaesthesiologists Delhi Branch (ISACON Delhi), 28 September 2024, Delhi, India

RESEARCH

Funded Projects

Ongoing

1. A Wearable Multimodal Sensing System for Biomechanical Modelling and Classification of Muscle Contraction States for Sports Injury Prevention (Under MFIRP Scheme of IRD in collaboration with University of Exeter, UK), Dr Biswarup Mukherjee, IRD, IIT Delhi, India, Rs 5 Lakhs
2. Biofidelic Human Tissue Simulants for Ballistic Evaluation, Dr. Arnab Chanda, Ministry of Defence, ARMREB, India, Rs 251 Lakhs
3. CoE on Personalized Healthcare at IIT D: India's first Center for Precision Medicine & MedTech, Dr Neetu Singh, "Wadhwani Innovation Network, Wadhwani Foundation, New Delhi, India, Rs 130 Lakhs
4. Collaborative research project between Translational Research Centre Hiroshima University and Centre for Biomedical Engineering IIT Delhi. Dr Deepak Joshi, Hiroshima university, Japan, Rs 18.95 Lakhs
5. Department of Biotechnology, Ministry of Sc.& Tech India, Dr Aarat Pratyaksh Kalra, Department of Biotechnology, Ministry of Sc.& Tech India, India, Rs 79.56 Lakhs
6. Developing artificial intelligence based model for detection of malignant potential of pulmonary nodules in sarcoma using computed tomographic imaging and its prospective validation (Under IRD MFIRP Scheme in collaboration with AIIMS), Dr Amit Mehndiratta, IRD, IIT Delhi, India, Rs 10 Lakhs
7. Development and evaluation of artificial intelligence system for detection and classification of occlusal caries, Dr Anup Singh, ICMR, India, Rs 13.72 Lakhs
8. Development and validation of robotic probe holder device for ultrasound-guided central venous canulation, Dr Deepak Joshi, DST India, Rs 48.36 Lakhs
9. Development of a Prototype Lab-On-A-Chip for Rapid Microbial Detection during Nonsurgical Endodontic Therapy, Dr Sandeep Kumar Jha, ICMR India, Rs 51.62 Lakhs
10. Development of surface-engineered smart nano-immunotherapeutic for the treatment of breast cancer, Dr Jayanta Bhattacharyya, ICMR India, Rs 54.74 Lakhs
11. Double network hydrogel system reinforced with short magnetic nanofibers for biomimetic property of ligament tissue (SERB NPDF to Dr Preeti Tiwari, under supervision of Professor Sachin Kumar B, Centre for Biomedical Engineering), Dr Sachin Kumar B, Science and Engineering Research Board (SERB) India, Rs 29.80 Lakhs

12. Equipment Matching Grant to Professor Aarat Pratyaksh Kalra, Centre for Biomedical Engineering under Main Project # RP04863G, Dr Aarat Pratyaksh Kalra, Institute of eminence Funds, Planning Unit IIT Delhi, India, Rs 30 Lakhs
13. EXOSKINGRAFT: High Expansion Skin Grafting using Auxetic Patterns for Severe Burn Injury Mitigation, Dr Arnab Chanda, SPARC, MHRD India, Rs 74.04 Lakhs
14. Expansion and Scale-up of Medtech Innovation Training Programme: School of International Biodesign (SiB): Phase-V (Five Years: 2022-2026) [BT/PR42130/BIO/144/7/2021], Dr Deepak Joshi, Department of Biotechnology, Ministry of Science & Technology, Government of India, Rs 389.44 Lakhs
15. Integrated Magneto-Acousto-Dielectrophoresis based Microfluidics for the Sorting of Bovine Spermatozoa, Dr. Sandeep Kumar Jha, Department of Biotechnology India, Rs 263.09 Lakhs
16. Integrated Sonomyography and Soft haptics-based Intuitive Control of Upper-Extremity Prosthetic Devices, Dr Biswarup Mukherjee, Department of Biotechnology, Ministry of Sc & Tech, India, Rs 78.47 Lakhs
17. International Clinical Trail and process evaluation of RoboExoSMART: An Upper Limb Rehabilitation Exoskeleton Device Developed by IIT Delhi (Under SPARC Cell IIT Kharagpur), Dr Amit Mehndiratta, SPARC, MHRD, India, Rs 71.16 Lakhs
18. Molecular Structural Control of Fibrinogen on Bioresorbable Stent Surface Regulated Platelets Response (Under MFIRP Scheme of IRD in collaboration with TUD), Dr. Sachin Kumar B, IRD, IIT Delhi, India, Rs 5 Lakhs
19. Nanoplatform based Multiplex Immunosensor for the Sensitive Detection of Food Contaminants (Dr Sruti Chattopadhyay, Women Scientist under DST WISE KIRAN Scheme under supervision of Professor Sachin Kumar B, CBME), Dr Sachin Kumar B, DST India, Rs 42.63 Lakhs
20. Oxygen Releasing Bioenergetic Injectable gel for Cartilage Regeneration, Dr Sachin Kumar B, ICMR, India, Rs 122 Lakhs
21. Pharmacokinetic Analysis and Histological Evaluation of Sirolimus-Eluting Bioresorbable and Biostable Coronary Stents as compared to control Cobalt-Chromium Stents, Dr Priya Vashisth, ICMR India, Rs 50.94 Lakhs
22. Point-of-Care Diagnostic Test for Preterm Risk Assessment (Under Main CoE Project # RP04761G), Dr Naveen Kumar Singh, ICMR, India, Rs 13.53 Lakhs
23. Pre-compliance and Clinical Validation of Implantable and Diagnostic Devices (Otorhinolaryngology, Ophthalmics and Orthopedics), Dr Dinesh Kalyanasundarm, ICMR India, Rs 485.99 Lakhs
24. Seed Grant to New Faculty (Institute Seed Grant to Professor Pradipta Mukherjee, CBME under Main Seed Grant Project # MI02794, Dr Pradipta Mukherjee, Institute of Eminence Funds, Planning Unit IIT Delhi, India, Rs 20 Lakhs
25. Technical Vetting/Review of Procurement, Comprising Technical Specifications of Equipment in Common Scientific Facility Equipment and Related Services for Biomaterial Testing Facility & Internet of Medical Things Lab for Medical Devices Park (MDP) in YEIDA Sector-28, Dr Neetu Singh, Yamuna Expressway Industrial Development Authority, Noida, India, Rs 7.04 Lakhs

Ongoing

1. 3d Bioprinting and Biosensors
2. AI Based MR Image analysis of brain tumors
3. Analysis of Neuroimaging Data and Its Applications
4. Assessment of cognitive stress via wearable nostril device and neurophysiological markers during short term meditation
5. Assistive Technologies in biomedical applications
6. Ayurvedic drug eluting bioresorbable stent
7. Biodegradable polymeric nanoparticles for cancer therapy
8. Biomarkers For Head & Neck Cancers In Indian Patients
9. Biomechanical evaluation of meniscal tissues at high strain rates and development of biomimetic meniscal replacements

10. Biomechanical Modelling of Diabetic Foot Ulcers
11. Biomedical Engineering
12. Cancer Imaging
13. Cancer immunotherapy
14. Chronic wound healing
15. Collaborative Closed-Loop Control Strategies For Intuitive Control Of Prosthetic Devices
16. Computational Modelling And Analysis Of Dental Trauma And Its Preventions
17. Deep Learning Based Medical Image Analysis
18. Dental Trauma Biomechanics
19. Design And Development of Femoral Implants
20. Design and Development of patient specific implants
21. Design And Development of Small Theranostics For Neurocognitive Disorders
22. Design development and biomechanical evaluation of orthopedic devices
23. Developing synthetic biological circuits for diagnostics and therapeutics
24. Development and validation of a wearable multi-channel
25. Development of a Biofidelic Footwear Traction Testing device
26. Development of A Comprehensive Clinical Decision Support System
27. Development of Auxetic Skin Grafts with High Expansion Potential
28. Development of biodegradble nanoparticles for delivery of anticancer agents
29. Development of biopolymer based formulations for pre hospital care under combat operation
30. Development of Nanoplatforms for cancer margin clearance
31. Electric Field-Based Therapy Represents A Diverse Range Of Approaches With…
32. Electrical detection of pathogens by carbon dots
33. Electromagnetic Tracking Enabled Device For Training And Planning Of Image-Guided
34. Fabrication of Tendon Mimicking Tissue Engineering Construct
35. GAIT restoration in cerebral Palsy
36. Gastrointestinal Microbiota Community Assessment And Omics Profiling
37. Human machine interfaces for individuals with partial spinal cord injury
38. Medical Image Analysis
39. Medical Resonance imaging for cancer diagnosis and prognosis
40. Microfluidic chip development biomedical application
41. Modelling and Mitigation of Unexpected Slips and Falls in Hospitals
42. MR Image Processing
43. Mr Sequence Programming, Protocol Optimization And Analysis, Using Machine Learning
44. MRI Data Analysis of Brain Tumor and Ischemic Stroke patients
45. Multifunctional Nanoparticle Cancer theranostics
46. Multi-Modal Muscle Activity Sensing And Fusion For Robust Biomechatronic Control
47. Nano based Platforms for Drug Delivery
48. Nanodelivery system for cancer therapy
49. Nanoparticle mediated RNAi

50. Neuromuscular Biosignatures of sensorimotor control in individuals with upper limb amputation
51. Neurorehabilitation for spinal cord injury patients
52. NK cell derived nanovesicles for cancer immunotherapy
53. Non Invasive biosenses for non-communicable diseaese
54. Phonocardiography system for heart valve assessment
55. Post Stroke Rehabilitation Of Distal Upper Limb Using Virtual Reality Based Technology
56. Quantitative MRI and its Applications
57. Development of Nanoplatforms for cancer margin clearance
58. Self-healing bioadhesive hydrogel for cartilage tissue regeneration
59. Self-Polymerizing Interfaces For Gastrointestinal Diagnosis And Therapy
60. Sensing of Heavy Metal ion using carbon dots
61. Sonomyography based control for upper extremity bionic devices
62. Sprayable hydrogel loaded with polymeric microcarrier for metallic nanoparticles for wound healing application
63. Studying Intracellular Structures, Mechanisms, And Molecular Responses In Tumour
64. Synthetic cellular compartments for cell-like systems to perturb diseased states - Towards building a synthetic cell
65. Targeting Immune Signaling For Cancer Therapy
66. Targeting Infectious Diseases Via Immunotherapeutics
67. TBD
68. The Study Aims To Investigate The Feasibility And Effectiveness Of Using Thermoplastic Polyurethane For 3d Printing Of Aortic Valve
69. Tissue engineering to study cancer metastasis
70. Understanding cell-cell and cell material and interaction for tissue engineering application
71. Vascularized Organoids In Microfludics Platform And Its Applications.
72. Wearable Electronics For Detecting Swallowing Dysfunction.

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	31	42	25
Total funding	Rs 6152 Lakhs	Rs 6525 Lakhs	Rs 3415 Lakhs

Publications

Journals: 71 **Abstracts: 08** **Chapters in Book: 02**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**90**	**54**	**81**
Journal articles	86	54	71
Abstracts	1	0	8
Chapters in books	3	0	2
Books	0	0	0

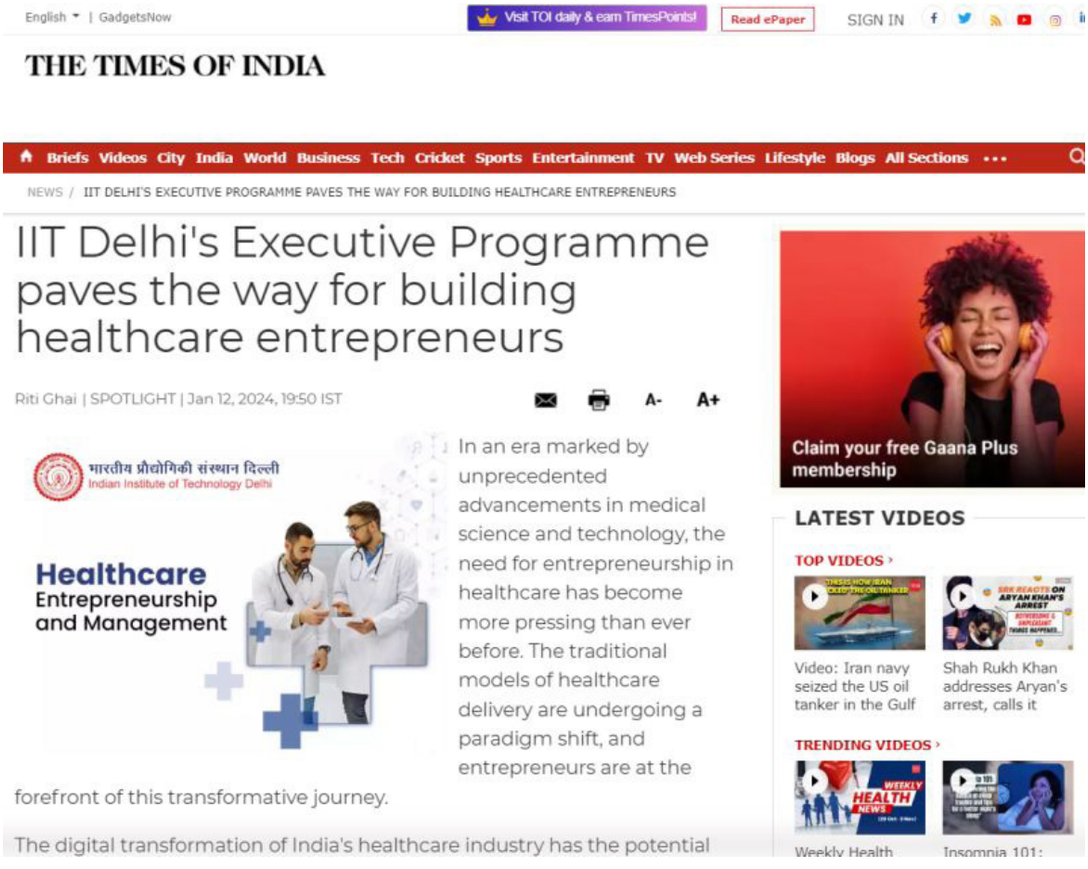
AWARDS, HONOURS AND SIGNIFICANT EVENTS

IIT Delhi - Sorbonne University Workshop at CBME

CBME welcomed delegates from Sorbonne University, France, for a workshop organized jointly by IIT Delhi and Sorbonne University. The workshop had MTech and PhD students presenting their work to the delegates. IITD and Sorbonne University bid together for a call for an Indo-French Campus on Health that was issued by the French government. We were successful in the call and have been awarded 150, 000 EUR for 2023 24 (2 years). The grant will enable the mobility of Masters and PhD students (for 3-6 months) and faculty members (especially early career researchers) and for organizing workshops and summer schools. In the initial years, the focus would be on health and biological sciences.

5 Months Executive Programme on Healthcare Entrepreneurship and Management

CBME, IIT Delhi's Executive Programme on the development and deployment of healthcare products and services (Batch-2) paves the way for building healthcare entrepreneurs. With Professor Arnab Chanda and Professor Biswarup Mukherjee as Programme Coordinators, it is a first-of-its-kind programme in the country focusing on Healthcare Entrepreneurship. The participation included graduates from all disciplines (Students, Doctors, Engineers, Managers) who wish to be a part of the healthcare ecosystem and learn conception-to-commercialization and management of healthcare products and services.


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NEWS / IIT DELHI'S EXECUTIVE PROGRAMME PAVES THE WAY FOR BUILDING HEALTHCARE ENTREPRENEURS

IIT Delhi's Executive Programme paves the way for building healthcare entrepreneurs

Riti Ghai | SPOTLIGHT | Jan 12, 2024, 19:50 IST A- A+

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Indian Institute of Technology Delhi

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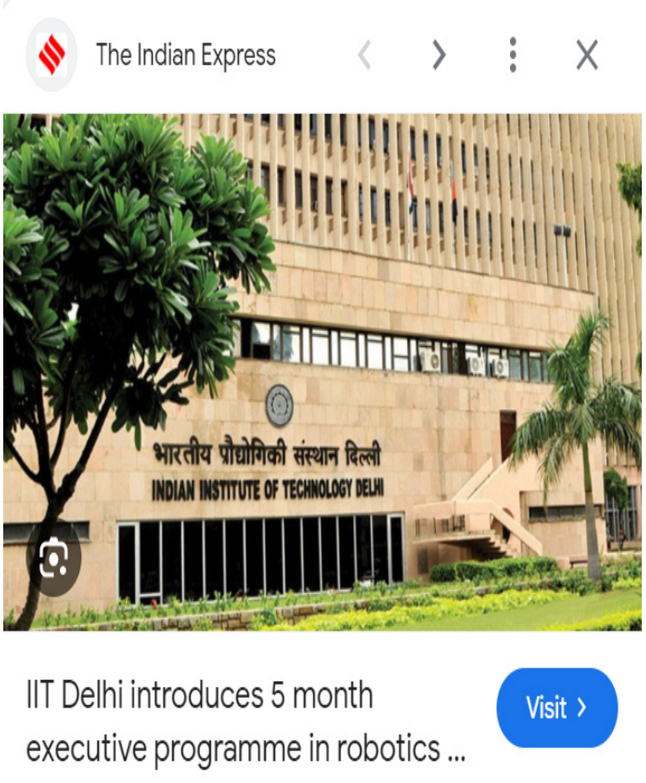
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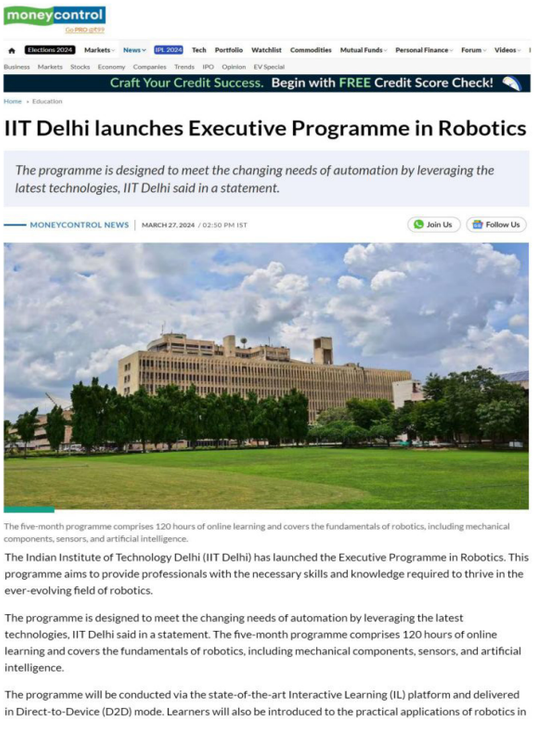
5 Months Executive Programme in Robotics

In the current era of technological transformation, Robotics has emerged as a pivotal force shaping global industries. Rapid advancements in technologies such as rapid prototyping, cloud computing, the Internet of Things, and Artificial Intelligence have propelled the widespread integration of robots across various sectors, including healthcare, automotive, and space exploration. This surge in robotic applications demands an immediate focus on upskilling and reskilling individuals involved in the conception, design, development, manufacturing, and operation of robots.

With Professor Arnab Chanda and Professor Biswarup Mukherjee as Programme Coordinators, IIT Delhi's Executive Programme in Robotics is designed to meet this demand by providing comprehensive training from fundamental principles to the execution of advanced applications. It offers a unique opportunity for individuals seeking expertise in navigating and contributing to the evolving landscape of robotics for enhanced human well-being and productivity.

The Indian Institute of Technology Delhi (IIT Delhi) recently hosted two fellows from the World Intellectual Property Organization (WIPO), Dr Atwau Pius, whose research focuses on key challenges in newborn care, and Peter Opende Ochieng, who is working in maternity labour monitoring.





9.5 Biophysics

SERB Distinguished Professor

TP Singh

Professor Head

Punit Kaur

Professors

SavitaYadav	Sujata Sharma
G Hariprasad Rao	Sharmishtha Dey

Additional Professors

Ethayathulla.A.S.	Krishna K Inampudi
Saroj Kumar	Jyotirmoy Banerjee

Associate Professor

Pradeep Sharma

Scientists

Asha Bhushan	Manoj Kumar	Uddipan Das

HIGHLIGHTS

During the period under report, the Department of Biophysics had over 45 ongoing research projects funded by extramural grants. Research in the Department of Biophysics is concerned with determining the molecular basis of biological process, rational structure based drug design and discovering new specific biomarkers. The department provides facilities for data collection on protein crystals, medical bioinformatics, protein sequencing and peptide synthesis, proteomics and dynamic light scattering. In the past one year, faculty and scientists had 58 research publications in various peer reviewed journals. The Department continued providing elective internship posting for MBBS undergruate students as well as classes for BSc nursing students and postgraduate education, short and long term training to MSc, PhD and MD students.

EDUCATION

Postgraduate

The faculty and scientists of the Department of Biophysics continued with teaching and guiding students for PhD degree, MSc (Biophysics) and MD (Biophysics). The postgraduate teaching includes theory classes, hands-on practical classes and a dissertation project.

Short and Long term Training

The Department also imparted 6 long and 25 short-term training to MSc and MTech students from different institutes and universities.

Lectures delivered at CMEs, National and International Conferences (all lectures, invited talks, plenary lectures, guest lectures except named Orations are to be listed here)

Lectures Delivered: 44

TP Singh: 12	**Punit Kaur: 5**	**Savita Yadav: 5**
Sujata Sharma: 5	**Hariprasad G: 1**	**Sharmistha Dey: 3**
Krishna K Inampudi: 1	**Saroj Kumar: 3**	**Jyotirmoy Banerjee: 5**
Pradeep Sharma: 3	**Uddipan Das: 1**	

TP Singh

1. Design of peptide inhibitors using sequences of expression tags in cloned proteins, Conference on Innovation in material science held at Indian Institute of Technology, Roorkee, 24 April 2024, Roorkee

2. Exploitation of innate immunity proteins as protein antibiotics, Inaugural talk as the presidential address at the 11th Meeting of the Chemical Biology Society on Current Trends in Drug Discovery and Advances in Diagnostics held at Adichunchanagiri University, B.G. Nagara, Mandya, 2 August 2024, Mandya
3. Structural basis of understanding the role of innate immunity proteins in the first line of defence against invading microbes and discovering new antibacterial drugs, Inaugural talk in the National Seminar on Emerging Trends and Prospects in Biotechnology held Utkal University, Bhubaneshwar, 27 September 2024, Bhubaneshwar
4. Current approaches to drug discovery: delivered, Inaugural talk as a Chief Guest at the National Conference on "Modern and Traditional Approaches in Pharmacotherapeutics in Neuroscience and Mental Health (MATHANAM-2024), 4 October 2024, Bengaluru
5. Current trends in structure-based drug discovery, Inaugural address at The Conference on Structural Biology and Drug Discovery (CSBDD Commemoration of the 102nd Birthday of Professor G. N. Ramachandran, FRS held at SRM University Kattankulatur, 8 October 2025, Kattankulatur
6. Applications of innate immunity proteins as therapeutic agents, Plenary talk as the guest of honour in the International Conference on Innovations in Biotechnology for Sustainability held at Jawaharlal Nehru University, 23 November 2024, New Delhi
7. Design of substrates as therapeutic molecules for the innate immunity proteins, Inaugural speech as the Chief Guest in the International Conference on Advances in Biotechnology and Bioinformatics held at Dr DY Patil Biotechnology and Bioinformatics Institute, 26 November 2024, Pune
8. Protein structure and drug discovery: Convocation address as the chief guest at the 105th convocation of the University of Mysore, 18 January 2025, Mysore
9. Structure-based inhibitor design for microbial enzymes using tactical sequences of the expression tags and then determining structures of cloned proteins: Keynote address at the mini-symposium cum workshop on Macromolecular X-ray Crystallography and protein structure prediction held at the National Institute of Immunology, 20 January 2025, New Delhi
10. Structure-based rational approaches for new drug discovery, Plenary talk at International conference on Cellular Symphony: Decoding Protein Homeostasis in Human Health SRM University, 3 February 2025, Chennai
11. Protein structure and drug discovery: Inaugural talk as the Chief Guest at the International Conference on Futuristic Demands and Emerging Technologies in Environment and Agri-Food Science for Sustainable Solution (DET-EAS-25), Haryana-SRM University, 21 February 2025, Sonipat
12. Structural basis of therapeutic applications of innate immunity proteins: Professor VV Modi Memorial Lecture in Nav Rachna University, 21 March 2025, Vadodara

Punit Kaur

1. Biomedical Text Mining and Drug Discovery- Mining the knowns, AICTE Training and Learning (ATAL) Academy Approved Faculty Development Program, 12 September 2024, Jawaharlal Nehru University, New Delhi
2. Structural mechanistic insights of GH43 family beta-xylosidase enzyme from *Pseudopedobacter saltans*, 51st National Seminar on Crystallography, 27 November 2024, VNIT, Nagpur
3. Whole genome analysis reveals the major pathotypes and predominant antimicrobial resistance genes in *Escherichia coli* strains from India, 20th International Congress on Infectious Diseases- ICID 2024, 3 December 2024, Cape Town, South Africa
4. Search for a Novel Drug Binding site in *Salmonella* Typhi DNA Gyrase for development of Drug Candidates, Drug Discovery 2025: Emerging Trends and Future Prospects, 24 February 2025, Jamia Millia Islamia, New Delhi
5. Probing Novel Drug Binding sites in *Salmonella* Typhi DNA Gyrase as anti-microbial targets, Current Advances in Drug Design & Translational Science" (CADDTS-2025), 26 February 2025, Jamia Millia Islamia, New Delhi

Savita Yadav

1. Unraveling the Pro-Tumorigenic Role of FGF8 in Ovarian Cancer: Insights from Quantitative Proteomics and Functional Studies, International symposium on "Proteostasis to pathology: exploring protein aggregation and amyloid formation in health & disease", 11 March 2025, Central University of Rajasthan, Kishangarh

2. Building dreams and ideas to impact: My journey in science, National Webinar "From Struggle to Strength: The Journey of Women's Empowerment" organised by the National Academy of Sciences, India (NASI) – Rajasthan Chapter, 8 March 2025, New Delhi, Online
3. Exploring role of fibroblast growth factor 8 (FGF8) in Ovarian Cancer, 13th Annual International Conference of Indian Academy of Biomedical Sciences, 11 February 2025, AIIMS, Bhopal
4. Multimerin-1 potentially drives ovarian cancer progression through modulation of DNA damage response and repair mechanisms, South Zone Conference of Association of Clinical Biochemists of India, 24 January 2025, JIPMER, Puducherry
5. Male contributory factors in idiopathic recurrent pregnancy loss, 50th Annual Conference of Association of Clinical Biochemists of India, 7 December 2024, PGIMER, Chandigarh

Sujata Sharma

1. Unlocking the Power of Lactoferrin: The Role of Hydrolysis in Enhancing Its Potential, International Conference on Antimicrobial Resistance, Novel Drug Discovery and Vaccine Development: Challenges and Opportunities, 10 March 2025, Gurugram
2. Unraveling the Mysteries of Science, KAMP's Online Workshop, 28 February 2025, New Delhi, Online
3. Unlocking the Power of Lactoferrin, XIIIth Annual International Conference of the Indian Academy of Biomedical Sciences (IABSCON-2025), 12 February 2025, Bhopal
4. The importance of Mental Health, Workshop on "Holistic Wellbeing and Gender Equity", 23 October 2024, New Delhi
5. The C-lobe of Lactoferrin; A Swiss Army Knife of the body, Conference on "Structural Biology and Drug Discovery" to Commemoration of 102nd Birthday of Professor GN Ramachandran, 8 October 2024, Chennai

Hariprasad G

1. Clinical Proteomics as a platform for Precision Medicine, OMICS for Clinics: A Precision Medicine Primer, 13 August 2024, AIIMS, Bhopal

Sharmistha Dey

1. Diagnostic significance of serum p38 Isoforms (p38α, p38β, p38γ, p38δ) in Head and Neck Squamous Cell Carcinoma, World Cancer Congress, 20 June 2024, Prague
2. New insight for early detection of Alzheimer's Disease, Alzheimer's Association International Conference (AAIC), 28 July 2024, Philadelphia, USA
3. COX-2 level in Alzheimer's disease: Development of potential blood-based biomarker for early diagnosis and therapeutic target, Indian Academy of Biomedical Science, 11 February 2025, Bhopal

Krishna K Inampudi

1. Protein design and its applications, Gdansk University of Technology Gdansk, 6 March 2025, Poland, Online

Saroj Kumar

1. Where Vesicle Science Meets Clinical Innovation, Co-Convener: Indian Extracellular Vesicles Society (IEVS) - VESICON 2025, 11 March 2025, Hyderabad
2. Potential of circulatory extracellular vesicles for detecting early Alzheimer's and Parkinson's disease, Invited Speaker: Indo-German Science and Technology Centre (IGSTC), 10 March 2025, Hyderabad
3. Role of exosome nanoparticles in disease detection, Honorarium Lecture: Chemistry for Energy, Environment, and Biomedical Applications (CEEBA-2024), 17 December 2024, NIT Hamirpur

Jyotirmoy Banerjee

1. Development of epileptic networks in focal cortical dysplasia (FCD): Role of altered GABAA receptor function, IABSCON 2025, XIIIth International Conference of Indian Academy of Biomedical Sciences, 13 February 2025, AIIMS, Bhopal

2. Dissecting the inflammatory mechanisms of drug-resistant epilepsy pathologies: evidence from brain to blood, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025), 21 February 2025, New Delhi
3. Identification of molecular biomarkers for drug-resistant epilepsy pathologies: Possible role in diagnosis & prognosis**,** Indo-German Science & Technology Centre (IGSTC) Workshop- Advancing Personalized Medicine Circulating Biomarkers in Neurology and Oncology**,** 10 March 2025**,** Hyderabad
4. Cellular and molecular mechanisms underlying aberrant network reorganization in drug-resistant epilepsy**,** Amity Institute of Neuropsychology and Neurosciences (AINN)**,** 7 August 2024**,** Noida
4. Aberrant network reorganization at cellular level in drug-resistant epilepsy?, AIIMS, New Delhi & CSIR-CCMB Collaborative Meeting, 16 August 2024, New Delhi

Pradeep Sharma

1. Dynamic Light Scattering (DLS), Functional Genomics and Applied Proteomics, 21 February 2025, Jaipur
2. Understanding PGRP's Role in Immune Defense: Structural and Functional Insights into Its Interaction with Pathogen-Associated Molecular Patterns (PAMPs), XIIIth Annual International Conference of the Indian Academy of Biomedical Sciences (IABSCON-2025), 12 February 2025, Bhopal
3. Exploring Pteroic Acid as a Promising Lead against Mucoricin: Advancing Mucormycosis Therapy through AI-aided Inhibitor Designing, Conference on "Structural Biology and Drug Discovery" to Commemoration of 102nd Birthday of Professor GN Ramachandran, 9 October 2024, Chennai

Uddipan Das

1. Cryo-EM grid clipping-Hands on Demonstration, 3rd International Conference on Cryo-Electron Tomography, AIIMS, 22 April 2024, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
50	46	44

Below information can be shifted to section-HIGHLIGHTS

No. of students/Trainee registered in the department

MD: 17

MSc: 06

PhD: 39

Trainee: 50

Oral papers/posters presented: 78

1. Aggarwal Y, Dixit AB, Doddamani R, Tripathi M, Chandra PS, Banerjee J, Differential neuronal networks contribute to altered GABAA receptor-mediated synaptic activity at early vs late stages of development in animal model of FCD, AIIMS Research Day**,** 29 January 2025, New Delhi
2. Aggarwal Y, Dixit AB, Tripathi M, Chandra PS, Banerjee J, Understanding age-dependent changes in GABAA receptor-mediated activity in animal model of cortical dysplasia, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi
3. Ahmad Nabeel, Sharma Pradeep**,** Sharma Sujata, Singh Tej P, Dual mode of inhibition of bacterial phosphopantetheine adenylyltransferase using X-ray crystallography, 9th European Crystallography School, 24 June 2024, Nancy, France
4. Anas Mohd, Sharma Aparna K, Kumar Saroj, Study of Therapeutics Potential of Mesenchymal Stem Cell-Derived Small Extracellular Vesicles in Alzheimer's disease, Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 12 March 2025, Hyderabad

5. Ashar Suhail Mohd, Yadav Yudhishthir, Dey A.B, Dey Sharmistha, 5-LOX in Alzheimer's Disease: Potential serum biomarker and neuroprotection with a peptide-based inhibitor, AGI, 13 December 2024, New Delhi
6. Baswal Kamal, Manikanta, Kumar Vikas, Singh Deepa, Khuswaha Tushar, Kumar Saroj, Malik Prabhat S, Mohan Anantet al, Reddy Jagadeswar, Inampudi Krishna K, Whole Blood Metabolomics: Uncovering biomarkerbiomarkers for Non-Small Cell Lung Cancer diagnosis, Korean Association of Lung Cancer, 7 November 2024, Seoul, South Korea
7. Baswal Kamal, Sharma Sanchit, Mohan Anant, Singh Malik Prabhat, Kumar Saroj, Inampudi Krishna K**,** Plasma-Derived Exosomal miRNAs Reveal Unique Expression Patterns in Non-Small Cell Lung Cancer Patients, Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 11 March 2025, Hyderabad,
8. Chakraborty A, Dixit AB, Banerjee J, Lalwani S, Sharma MC, Yadav A, et al, Expression analysis of Long Non-Coding RNAs with potential epileptogenic role in persons with drug-resistant epilepsy, 15thth Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi
9. Chakraborty A, Kumar K, Tripathi S, Yadav N, Chandra PS, Banerjee J, et al, Tripathi M, Whole genome sequencing to identify Genome-Wide Copy Number variants in persons with Drug-Resistant Epilepsy, Indian Academy of Neuroscience (IAN) 2024**,** 12 November 2024, NIMHANS, Bengaluru
10. Dey Sharmistha, COX-2 level in Alzheimer's disease: Development of potential blood-based biomarker for early diagnosis and therapeutic target, Indian Academy of Biomedical Science, 11 February 2025, Bhopal.
11. Dey Sharmistha, Diagnostic significance of serum p38 Isoforms (p38α, p38β, p38γ, p38δ) in Head and Neck Squamous Cell Carcinoma, World Cancer Congress, 20 June 2024, Prague
12. Dey Sharmistha, New insight for early detection of Alzheimer's Disease, Alzheimer's Association International Conference (AAIC), 28 July 2024, Philadelphia
13. Gorai Priya Kumari, Rastogi Simran, AS Surabhi, Singh Seema, Agarwal Shipra, Pal Sujoy, et alNag Tapas Chandra, Dhingra Renu, Sharma Mehar Chand, Kumar Rakesh, Kumar Saroj, Rani Neerja, Exploring Plasma-Derived Small Extracellular Vesicles as Novel Biomarkers for Early-Stage Detection of Pancreatic Neuroendocrine Tumors, ISEV 2024: International Society for Extracellular Vesicles, Annual Meeting 2024, 10 May 2024, Melbourne, Australia Hyderabad, 9 February 2025*,* Hyderabad
14. Jain K, Thapliyal A, Tomar AK, Das R, Dhiman S, Datta SK, Singh N, Sharma JB, Yadav Set al, Expression analysis of oxidative stress relatedstress-related genes and associated miRNAs in idiopathic recurrent pregnancy loss, ISSRF 2025, 16 February 2025, Jaipur
15. Jain K, Thapliyal A, Tomar AK, Das R, Dhiman S, Datta SK, Singh N, Sharma JB, Yadav S,et al, Exploring expression of oxidative stress linkedstress-linked mRNA-miRNA pairs in idiopathic recurrent pregnancy loss (iRPL)**,** South Zone Conference of Association of Clinical Biochemists of India**,** 24 January 2025**,** JIPMER, Puducherry
16. Jain K, Thapliyal A, Tomar AK, Das R, Dhiman S, Datta SK, Singh N, Sharma JB, Yadav Set al, Exploring expression of oxidative stress linked mRNA-miRNA pairs in idiopathic recurrent pregnancy loss (iRPL), 4th AIIMS Research Day, 28 January 2025, New Delhi
17. Kaur P, Katiyar A, Gurvinder Kaur, Lata Rani, Ritu Gupta, Meta-analysis Guided Detection of Transcriptomic Biomarkers in Multiple Myeloma, 23rd European Conference on Computational Biology ECCB2024, 16 September 2024, Turku, Finland kinase of *Mycobacterium tuberculosis* to combat multi-drug resistant TB, International Workshop on New Approaches to Discover kinase to combat multidrug-resistant tuberculosis, EMBO Workshop on Host and pathogen heterogeneity in tuberculosis, CCMB,
18. Kumar AJ, Aggarwal Y, Nambiar S, Dixit AB, Tripathi M, Chandra PS, et al, Role of altered subunit configuration of glutamate receptors in hyperexcitability in BCNU model of focal cortical dysplasia, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi
19. Kumar AJ, Aggarwal Y, Nambiar S, Sharma A, Dixit AB, Tripathi M, et alChandra PS, Banerjee J, Role of altered subunit onfigurationconfiguration of glutamate receptors in hyperexcitability in BCNU model of focal cortical dysplasia, AIIMS Research Day**,** 29 January 2025, New Delhi
20. Kumar K, Dixit AB, Banerjee J, Chandra PS, Tripathi M, Shotgun metagenomics identifies gut microbiota dysbiosis in patients with drug-refractory epilepsy, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 23 February 2025, New Delhi

21. Kumar K, Manral M, Dixit AB, Banerjee J, Chandra PS, Tripathi M, Exploring gut microbiota dysbiosis and effect of dietary interventions in drug-refractory epilepsy: Identifying probiotic targets and mechanistic pathways, AIIMS Research Day**,** 29 January 2025, New Delhi

22. Kumar S, Shanker OR, Banerjee J, Tripathi M, Chandra PS, Siraj F, et al, Region-specific dysregulation of the Histone Deacetylase 4-Serum Response Factor axis in Temporal lobe epilepsy, Federation of European Neuroscience Society (FENS 2024)**,** 25 June 2024, Vienna, Austria

23. Kumar S, Shanker OR, Banerjee J, Tripathi M, Chandra PS, Siraj F, et al, Region-specific Dysregulation of the Histone Deacetylase 4–Serum Response Factor–Immediate Early Genes axis in temporal lobe epilepsy, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 22 February 2025, New Delhi

24. Kumar Vikas, Gholap Shivaji L, Sehgal Deepak, Inampudi Krishna K**,** Development of a Novel Inhibitor Against nRAS-Mutated Lung Cancers, Max Cancer Care Congress 2024, 20 September 2024, Mumbai

25. Kumar Vikas, Gholap Shivaji L, Sehgal Deepak, Inampudi Krishna K**,** Development of a Novel Inhibitor Against nRAS-Mutated Lung Cancers, AIIMS 4th Research Day, 29 January 2025, New Delhi

26. Kumari Sakshi, Singh Kumar Abhinay, Ashar Suhail Mohd, Pradhan Rashmita, Chakrawarty Avinash, Dey Sharmistha, Targeting COX-2 as a Potential Blood BasedBlood-Based Biomarker and a Therapeutic Approach in Alzheimer's Disease, AGI, 13 December 2024, New Delhi

27. Kumari Sakshi, Singh Kumar Abhinay, Yadav Yudhishthir, Pradhan Rashmita, Dey Sharmistha, GSK-3β; A Diagnostic Biomarker and Therapeutic Modulation for Alzheimer's Disease Mmanagement, IABS, 11 February 2025, Bhopal.

28. Kushwaha Tushar, Kumar Vikas, Inampudi Krishna K**,** Design and engineering of nanobody inhibitors against the extracellular domain of EGF Receptor for the treatment of lung cancer, EMBO Chemical Biology 2024, 9 September 2024, Heidelberg, Germany

29. Kushwaha Tushar, Kumar Vikas, Inampudi Krishna K**,** Engineering Targeted Therapeutics for Lung Cancer: Antibody-Mimetic Scaffolds Targeting EGFR1, ACBICON (Golden Jubilee Conference of Association of Clinical Biochemists of India), 5 December 2024, Chandigarh, India

30. Madhuri, Yadav AK, Saini C, Inampudi KK, Ethayathulla AS, Kumar M**,** Deciphering the role of crucial active site residues of *Mycobacterium tuberculosis* Malate Synthase, 51st National Seminar on crystallography: Crystallography in Drug Design and Pharmaceutical, VNIT, Nagpur, 27 November 2024*,* Nagpur

31. Madhuri, Yadav AK, Saini C, Inampudi KK, Ethayathulla AS, Kumar M**,** Exploring the importance of binding pocket residues of *Mycobacterium tuberculosis* Malate Synthase, EMBO Workshop on Host and pathogen heterogeneity in tuberculosis, CCMB, Hyderabad, 9 February 2025, Hyderabad

32. Madhuri, Yadav AK, Saini C, Inampudi KK, Ethayathulla AS, Kumar M**,** Investigating the function of key active site residue in Malate Synthase of *Mycobacterium tuberculosis*, 4th Research Day, AIIMS, 2025, 28 January 2025*,* New Delhi

33. Madhuri, Yadav AK, Saini C, Inampudi KK, Ethayathulla AS, Kumar M**,** Understanding the significance of crucial active site residues of *Mycobacterium tuberculosis* Malate Synthase, International Workshop on NewApproaches to Discover Vaccine and Drugs for Infectious Diseases, ICGEB, Delhi, 2 December 2024*,* New Delhi

34. Mishra Abhay, Batra Atul, Zehra Sadaqa, Singh Bharti Prahalad, Kumar Saroj**,** Lipid Spectral Signatures of Plasma-Derived Small Extracellular Vesicles as Robust Markers for Early Breast Cancer Detection[1], Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 12 March 2025, Hyderabad

35. Mishra Abhay, ZHU Kexin, Dingkang Chen, Miao Yansong, Zehra Sadaqa, Ranjan Piyush, et alBatra Atul, Inampudi Krishna Kishore, Nikolajeff Fredrik, Kumar Saroj**,** Characterization of Plasma-Derived Small Extracellular Vesicles (sEVs) in Breast Cancer Patients Using Fourier-Transform Infrared (FTIR) Spectroscopy, AIIMS 4th Research Day, 30 January 2025, New Delhi

36. Nambiar S, Mishra S, Tripathi M, Chandra PS, Dixit AB, Banerjee J, Astrocytic Gap junctions and their Role in Microglial Activation in Focal Cortical Dysplasia, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi

37. Pandit Surabhi, Sharma Pradeep, Singh T.P, Sharma Sujata, Dual-Targeting Strategy: Lactoferrin for Simultaneous Inhibition of Multidrug Resistance and Biofilm Formation, 51st National Seminar on Crystallography (NSC51), 27 November 2024, Nagpur, Maharashtra

38. Pradhan Rashmita, Singh Kumar Abhinay, Kumari Sakshi, Yadav Yudhishthir, Dey AB, Dey Sharmistha, Serum FOXO3A: A potent marker for early diagnosis of Alzheimer's disease", AGI, 13 December 2024, New Delhi

39. Priya P, Srivastava A, Yadav N, Anand S, Mittal R, Banerjee J, et al, Unraveling the crosstalk: CK2 and Wnt signalling implications in Mesial Temporal lobe epilepsy, Neuroscience 2025 (*SfN*)**,** 5 October 2024, Chicago, USA

40. Priya P, Srivastava A, Yadav N, Anand S, Mittal R, Tripathi M, et al, CK2-Wnt/Beta-Catenin signalling interaction: Implications in Mesial Temporal lobe epilepsy, Indian Academy of Neuroscience (IAN-2024)**,** 12 November 2024, NIMHANS, Bengaluru

41. Priya P, Yadav N, Anand S, Mittal R, Dixit N, Banerjee J, et alTripathi M, Chandra PS, Dixit AB, Deciphering CK2-Wnt/β-Catenin signalling crosstalk in Mesial Temporal lobe epilepsy, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi

42. Rai Aishwarya, Sharma Sujata, Sharma Pradeep, Singh T.P, Sirvi Mahendra, Functional Characterization and in vitro studies of a novel Ribosome inactivating protein against cancer, EMBO Lecture Course-RNA-protein complexes: from molecular assembly to physiological functions and disease, 24 February 2025, Pune

43. Rai Sanskriti, Singh Rishabh, Singh Bharti Prahalad, Rajan Roopa, Kumar Saroj, A comparative study on plasma-derived small extracellular vesicles- and whole plasma-derived miRNAs as potential biomarkers for Parkinson's disease, ISEV2024: International Society for Extracellular Vesicles, Annual Meeting 2024, 12 May 2024, Melbourne, Australia

44. Rai Sanskriti, Zehra Sadaqa, Singh Rishabh, Dey Choudhury Saumitra, Kumar Saroj, Oxidative stress-induced alterations in extracellular vesicle (EV) membranes facilitate the sequestration of small amyloid-β aggregates: A new perspective on Alzheimer's disease progression, 5th chapter of the Science Conclave-cum-National Biomedical Research Competition-2024 (NBRCOM-2024), 1 December 2024, New Delhi

45. Rai Sanskriti, Zehra Sadaqa, Singh Rishabh, Singh Bharti Prahalad, Rajan Roopa, Kumar Saroj, Lipidomic Analysis of Plasma-Derived small extracellular vesicles (PsEVs) Reveals Dysregulated Sphingolipid Metabolism in Parkinson's Disease[1], Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 12 March 2025, Hyderabad

46. Rai Sanskriti, Zehra Sadaqa, Singh Rishabh, Singh Prahalad Bharti, Rajan Roopa, Kumar Saroj, Small Extracellular Vesicles (sEVs)-Derived Lipids and miRNAs Regulate Sphingolipid Metabolism in Parkinson's Disease, AIIMS 4th Research Day, 29 January 2025, New Delhi

47. Saini A, Yadav S, Role of Multimerin1 in Ovarian Cancer and Angiogenesis: Decoding the Mystery, 15th Biennial Ovarian Cancer Research Symposium, 20 September 2024, Seattle, USA

48. Saini C, Yadav AK, Madhuri, Inampudi KK, Ethayathulla AS, Kumar M**,** Elucidation of role of Arg 228 of *Mycobacterium tuberculosis* isocitrate lyase to identify drug leads for new class tuberculosis drugs, EMBO Workshop on Host and pathogen heterogeneity in tuberculosis, CCMB, Hyderabad, 09 February 2025*,* Hyderabad

49. Saini C, Yadav AK, Madhuri, Inampudi KK, Kumar M, Discovery of potential lead molecules among antibacterial compounds to shorten the treatment duration of tuberculosis, 51st National Seminar on Crystallography: Crystallography in drug design and Pharmaceutical, VNIT, Nagpur, 27 November 2024*,* Nagpur

50. Saini C, Yadav AK, Madhuri, Inampudi KK, Kumar M**,** Exploring the Role of Glu166 at Interdimer Interface in Oligomerization and Catalytic Function of a Isocitrate Lyase of *M. tb*, 4th Research Day, AIIMS, 2025, 28 January 2025*,* New Delhi

51. Saini C, Yadav AK, Madhuri, Inampudi KK, Kumar M, Identification of potential lead molecules among antibacterial compounds to shorten the treatment duration of tuberculosis, International Workshop on New Approaches to Discover VaccineVaccines and Drugs for Infectious Diseases, ICGEB, Delhi, 2 December 2024*,* New Delhi

52. Shanker OR, Kumar S, Banerjee J, Tripathi M, Chandra PS, Siraj F, et al, Phosphorylated protein tyrosine kinase 2 exhibits altered expression in a region-specific manner in temporal lobe epilepsy, Federation of European Neuroscience Society (FENS 2024)**,** 25 June 2024, Vienna, Austria

53. Shanker OR, Kumar S, Banerjee J, Tripathi M, Chandra PS, Siraj F, et al, Region-specific alterations in phosphorylated protein tyrosine kinase 2 expression in temporal lobe epilepsy: A potential therapeutic target, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi

54. Sharma A, Dixit AB, Tripathi M, Chandra PS, Sharma MC, Banerjee J, Platelet dysregulation in drug-resistant epilepsy: Insights into seizure pathogenesis, Asian & Oceanian Epilepsy Congress**,** 20 February 2025, New Delhi

55. Sharma A, Dixit AB, Tripathi M, Doddamani R, Sharma MC, Chandra PS, et alBanerjee J, Platelet-mediated release of Serotonin contributes to Hyperexcitability in Drug-Resistant Epilepsy, AIIMS Research Day**,** 29 January 2025, New Delhi

56. Sharma Sanchit, Baswal Kamal, Mohan Anant, Singh Malik Prabhat, Kumar Saroj, Sri Krishna Gour Surya, et alInampudi Krishna K**,** Comprehensive Untargeted Proteomic Profiling of Plasma-Derived Exosomes in Non-Small Cell Lung Cancer, Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 11 March 2025, Hyderabad

57. Singh Bharti Prahalad, Rani Komal, Singh Rishabh, Rai Sanskriti, Kumar Saroj,* Advancing sEV Translational Research: An Efficient Isolation Method with Comparative Analysis, Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 11 March 2025, Hyderabad

58. Singh Deepa, Kumar Vikas, Inampudi Krishna K**,** Identification of Guanine-quadruplex forming DNA Aptamer: A promising Therapeutic Strategy against EGFR for epidermal originated cancers, Max Cancer Congress 2024, 21 September 2024, Mumbai

59. Singh Deepa, Kushwaha Tushar, Inampudi Krishna K**,** Interaction of SCoV-2 NSP7 or NSP8 alone with NSP12 causes constriction of the RNA entry channel: Implications for novel RdRp inhibitor drug discovery, Non-coding RNA World (NcRNA) 2024: Exploring Mechanisms, Designing Medicines, 7 October 2024, Basel, Switzerland

60. Singh Kumar Abhinay, Kumari Sakshi, Renu KM, Batra Atul, Upadhaya Ashish Datt, Dey Sharmistha**,** Inflammatory cytoskeleton signalling regime proteins: A potential circulatory marker for metastatic breast cancer, IABS, 11 February 2025, Bhopal.

61. Singh Kumar Abhinay, Pradhan Rashmita, Dey A. B, Dey Sharmistha, Serum Level of Seven Sirtuins in Alzheimer's Disease: A potential blood-based Biomarker, AGI, 13 December 2024, New Delhi

62. Singh Rishabh, Rai Sanskriti, Singh Bharti Prahalad, Chatterjee Prashun, Kumar Saroj, Plasma-Derived Small Extracellular Vesicles in Alzheimer's Disease Progression: Insights into Synaptic Dysfunction and Neuroinflammation, ISEV2024: International Society for Extracellular Vesicles, Annual Meeting 2024, 9 May 2024, Melbourne, Australia

63. Singh Rishabh, Rai Sanskriti, Singh Bharti Prahalad, Chatterjee Prasun, Kumar Saroj,* Proteomic Analysis of Small Extracellular Vesicles reveals Biomarker and Pathways in Alzheimer's Disease, Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 11 March 2025, Hyderabad

64. Singh Rishabh, Rai Sanskriti, Singh Bharti Prahalad, Chatterjee Prasun, Kumar Saroj, Proteomic Profiling of Small Extracellular Vesicles for Biomarker Discovery in Alzheimer's Disease Progression, AIIMS 4th Research Day, 29 January 2025, New Delhi

65. Tanwar Mansi, Singh Anamika, Dev Arundhati, Meetu, Singh Tej Pal, Sharma Sujata, et alSharma Pradeep, Prakash Chandra, Exploring the potential of Pteroic acid against Mucormycosis: A structure-based drug discovery approach, IFBNS 2024: Indo – FrenchIndo–French Biomolecular NMR Winter School, 14 December 2024, Guwahati, Assam

66. Tomar AK, Thapliyal A, Naglot S, Dhiman S, Datta SK, Singh N, Sharma JB, Yadav S, et al, Dysregulated sperm miRNAs impair sperm quality and early embryonic development in idiopathic recurrent pregnancy loss, IABS-North Zone (Delhi Chapter), 5 August 2024, AIIMS New Delhi Vaccine and Drugs for Infectious Diseases, ICGEB, Delhi, 3 December 2024*,* New Delhi

67. Vats N, Kumar V, Tomar AK, & Yadav S, Mechanistic Insights into the synergistic action of Sesamolin and Cisplatin in Ovarian Cancer, 4th AIIMS Research Day, 28th January 2025, New Delhi

68. Vats N, Kumar V, Tomar AK, & Yadav S, Sesamolin: A promising adjuvant to enhance Cisplatin efficacy in Ovarian Cancer Award: Best e-Poster Presentation, South Zone Conference of Association of Clinical Biochemists of India, 24 January 2025, JIPMER, Puducherry

69. Vats N, Kumar V, Tomar AK, & Yadav S, Sesamolin: An anti-tumor plant compound in Ovarian Cancer, International Pharmacology Conference-54th Annual Conference of Indian Pharmacological Society, 28 November 2024, AIIMS, New Delhi

70. Vats N, Kumar V, & Yadav S, Anti-tumor potential of Sesamolin in Ovarian Cancer, IABS North Zone, 5 August 2024, AIIMS, New Delhi

71. Yadav AK, Madhuri, Saini C, Ethayathulla AS, Inampudi KK, Kumar M**,** Identification of novel class of inhibitors of shikimate

72. Yadav AK, Madhuri, Saini C, Inampudi KK, Ethayathulla AS, Kumar M**,** Discovery of novel class of inhibitors of *Mycobacterium tuberculosis* shikimate kinase to combat multidrug-resistant tuberculosis, 4th Research Day, AIIMS, 2025, 28 January 2025*,* New Delhi

73. Yadav AK, Madhuri, Saini C, Inampudi KK, Kumar M, Identification of potential lead compounds against Shikimate

74. Yadav N, Anand S, Kumar K, Priya P, Banerjee J, Lalwani S, Sharma MC, Siraj F, Tripathi M, Chandra PS, Dixit AB.et al, Pathology-specific lipid alterations with triacylglycerol as a potential biomarker in Focal cortical dysplasia (FCD) and Mesial temporal lobe epilepsy with hippocampal sclerosis (MTLE-HS), Indian Academy of Neuroscience (IAN), 12 November 2024, NIMHANS, Bengaluru

75. Yadav N, Priya P, Anand S, Dixit N, Mittal R, Banerjee J, Dixit ABet al, The role of the Fibronectin1-Src kinase pathway in modulating excitatory synaptic transmission in Temporal lobe epilepsy, Neuroscience 2025 (SFN)**,** 5 October 2024, Chicago, USA

76. Yadav N, Priya P, Dixit N, Anand S, Mittal R, Banerjee J, Tripathi M, Chandra PS, Dixit ABet al, Fibronectin1-Integrin-Src kinase axis mediated alterations in EEG in a rodent model of temporal lobe epilepsy, 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025)**,** 20 February 2025, New Delhi

77. Yadav Yudhishthir, Rai Nitish, Kumari Sakshi, Ashar Suhail, Dey AB, Dey Sharmistha, Sestrin levels in patients diagnosed with Alzheimer's disease and mild cognitive impairment: A potential serum marker, AGI, 13 December 2024, New Delhi

78. Zehra Sadaqa, Rai Sanskriti, Rani Komal, Nikolajeff Fredrik, Kumar Saroj , Stress-mediated changes in Extracellular vesicles scaffold sequesters small amyloid-β aggregates: A novel insight into Alzheimer's Disease Progression, Indian Extracellular Vesicles Society (IEVS) - VESICON 2025: Where Vesicle Science Meets Clinical Innovation, 12 March 2025, Hyderabad

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

Presentation	2022-2023	2023-2024	2024-2025
Oral/poster	41	74	78

RESEARCH

Funded projects

Ongoing

1. A case-control study to develop "Exosomes-based Molecular Signature" of Parkinson's Disease, Dr Saroj Kumar ICMR, 3 Years, 2023-2026, Rs 84.68 Lakhs

2. A multi-omics study and development of a prognostic computational model for COVID-19 to correlate clinical outcomes and disease sequelae with the differential immunological response, mutational and vaccination status in India, Professor Punit Kaur, ICMR, 3 Years, 2022-2025, Rs 94 Lakhs

3. Advance center for clinical evaluation of Diagnostics of National Importance: sMARSA (sensitive Magnetic Assisted nano-particle Rapid Sandwich Assay) for Alpha-Synuclein: Validation of cartridge-based ELISA for quantification of alpha-Synuclein in serum, Professor Hariprasad. G, ICMR, 3 Years, 2024-2027, Rs 60 Lakhs

4. AMR-Educate: A multinational and interdisciplinary research-integrated education partnership for a sustainable future against infection and antimicrobial resistance threats, Professor Punit Kaur, The Norwegian Directorate for Higher Education and Skills under Norwegian Ministry of Education and Research, 3 Years, 2023-2026, Rs 31 Lakhs

5. Beyond Symptoms: Exosomes-Based Innovative Method for Early Parkinson's Disease Detection- From Lab to Community-Based Screening, Dr Saroj Kumar, ICMR, 3 Years, 2024-2027, Rs 265.48 Lakhs

6. Calcium permeable ion channels as therapeutic targets to manage chronic pain, Dr Jyotirmoy Banerjee, DBT, 3 Years, 2024, 2026, Rs 40 Lakhs

7. Connecting pathogenesis to Calcium signalling in protozoan parasite E histolytica, Dr Krishna K Inampudi (PI at AIIMS), DBT, 3 Years, 2023-2026, Rs 82 Lakhs
8. Deciphering alterations in synaptic and extra-synaptic GABAA receptor configuration and their role in modulation of GABAergic activity in Focal Cortical Dysplasia (FCD, Dr Jyotirmoy Banerjee, Early Career Institute Research Grant, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
9. Deciphering the contribution of proestrous-estrous transition to seizure susceptibility in drug-resistant epilepsy pathologies, Dr. Jyotirmoy Banerjee, DBT, 3 Years, 2024-2027, Rs 69.70 Lakhs
10. Deciphering the role of platelets in drug-resistant epilepsy, Dr Jyotirmoy Banerjee, ICMR, 3 Years, 2023-2026, Rs 43 Lakhs
11. Design, synthesis, and biological evaluation of mechanism-based novel theranostic agents for Alzheimer's disease, Dr. Saroj Kumar, SERB/DST, 3 Years, 2023-2026, Rs 44.22 Lakhs
12. Designing novel inhibitory molecules to quench quorum sensing in Gram-negative bacteria, Professor Punit Kaur, ICMR, 3 Years, 2023-2026, Rs 49.08 Lakhs
13. Development of Alternative Supplements to Breastmilk: A Comparative Study of Cow, Mare and Camel Colostrum on Gut Microbiota and Immunomodulation, Dr. Pradeep Sharma, ICMR, 3 Years, 2024-2027, Rs 95.70 Lakhs
14. Development of exosome-based drug delivery system for naturally inspired novel multifunctional neuroprotective molecules and their biological evaluation in Alzheimer's disease models, Dr. Saroj Kumar, ICMR, 3 Years, 2023-2026, Rs 55.59 Lakhs
15. Discovery of lead compounds among natural products to target isocitrate lyase of Mycobacterium tuberculosis, Dr Manoj Kumar, AIIMS, 2 Years, 2024-2026, Rs 10 Lakhs
16. Dissecting the potential molecular signature by proteomics and metabolomics in predicting the clinico-radiological course of cerebral edema following traumatic brain injury, Dr. Krishna K Inampudi (PI at Department), ICMR, 3 Years, 2024-2027, Rs 85 Lakhs
17. ECM proteins as blood-based biomarkers and therapeutic target for Alzheimer's disease, Professor Sharmistha Dey, ICMR, 3 Years, 2023-2026, Rs 58 Lakhs
18. Exosomes in Health: Isolation, Characterization and Biomedical Application, Dr Saroj Kumar, DHR, 5 Years, 2024-2029, Rs 75 Lakhs
19. Exploring the Structure Function Interrelationships of Type-1 and Type-2 Ribosome Inactivating Proteins (RIPs) from Iris Bulbs for Anti-tumor Activity, Professor Sujata Sharma, ICMR, 3 Years, 2023-2026, Rs 35.65 Lakhs
20. G-Quadruplex-forming DNA Aptamers against human EGFR as an alternative therapeutic approach for epidermal carcinomas, Dr. Krishna K Inampudi, SERB, 3 Years, 2023-2026, Rs 44 Lakhs
21. Harmonized Diagnostic Assessment of Dementia (DAD) for Longitudinal Aging Study of India (LASI). Wave2, Professor Sharmistha Dey, NIH(RO1), 4 Years, 2022-2026, Rs 60.52 Lakhs
22. Harmonized Diagnostic Assessment of Dementia (DAD) for Longitudinal Aging Study of India (LASI). Wave1, Professor Sharmistha Dey, NIH(RO1), 4 Years, 2021-2026, Rs 42.47 Lakhs
23. Identification and validation of potent small molecule inhibitor/s targeting sialin for endothelial dysfunction in atherosclerosis, Professor. Savita Yadav (Mentor), DHR Women Scientist project, 3 Years, 2024-2027, Rs 61 Lakhs
24. Identification of mitochondria-related proteins as plausible biomarkers and therapeutic targets in Alzheimer's disease, Professor Sharmistha Dey, DHR, 3 Years, 2023-2026, Rs 58 Lakhs
25. Identification of novel drug molecules against a lethal angioinvasive disease, mucormycosis, Dr. Pradeep Sharma, ICMR, 4 Years, 2023-2026, Rs 30.10 Lakhs
26. Identification of Novel RdRp Inhibitors: Targeting RNA-Dependent RNA Polymerase of Dengue for Antiviral Strategies, Dr. Krishna K Inampudi PI Mentor, AIIMS UG Mentorship Research Grant, 2 Years, 2025-2027, Rs 2 Lakhs
27. Identification of the early candidate biomarkers of oral cancer from the saliva exosomal proteome, Dr. Krishna K Inampudi PI Mentor, AIIMS UG Mentorship Research Grant, 2 Years, 2022-2024, Rs 2 Lakhs

28. Identifying dysregulation of miRNAs and their targets in idiopathic recurrent pregnancy loss, Professor Savita Yadav, ICMR, 3 Years, 2022-2025, Rs 50 Lakhs
29. Integrative Proteomics and Metabolomics Analysis of Plasma and Exosomes for Early Diagnosis of Non-Small Cell Lung Cancer, Dr Krishna K Inampudi, ICMR, 3 Years, 2024-2027, Rs 85 Lakhs
30. Investigating altered subunit configuration of glutamate receptors in Focal Cortical Dysplasia, Dr Jyotirmoy Banerjee, Post Graduate Thesis Scheme, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 2 Lakhs
31. Modulators of α4-containing GABAA receptors: Potential therapy for focal cortical dysplasia (FCD, Dr Jyotirmoy Banerjee, ICMR, 3 Years, 2024-2027, Rs 93.50 Lakhs
32. National Network Project of Department of Biotechnology, IIT Roorkee, Dr Pradeep Sharma, DBT, 5 Years, 2023-2028, Rs 55 Lakhs
33. OH-AMR-Diag: Novel technological solutions for rapid detection and screening of AMR from a One-Health perspective, Professor Punit Kaur, Research Council of Norway, 3 Years, 2024-2027, Rs 35 Lakhs
34. Preclinical Assessment of a novel Tyrosine Kinase Inhibitor, KKI04 as a Promising Therapeutic Agent for Non-Small Cell Lung Cancer (NSCLC) using Mice xenograft model, Dr Krishna K Inampudi, ICMR, 3 Years, 2024-2027, Rs 63 Lakhs
35. Screening of green tea antioxidants to reactivate anti-cancer activity of mutant p53 in breast cancer cell lines, Professor Ethayathulla, ICMR, 3 Years, 2023-2025, Rs 33.43 Lakhs
36. Serum proteomics for the identification of biomarkers to flag predilection of COVID-19 patients to various organ morbidities, Professor Hariprasad. G, ICMR, 3 Years, 2022-2025, Rs 35 Lakhs
37. Single cell-type RNA Sequencing to delineate astrocyte and neuronal specific alterations in patients with Focal Cortical Dysplasia (FCD) and Temporal Lobe Epilepsy (TLE), Dr Jyotirmoy Banerjee, AIIMS Interdisciplinary Collaborative Intramural Research Project, AIIMS, New Delhi, 2 Years, 2023-2025, Rs 20 Lakhs
38. Structural Insights into Mycobacterium tuberculosis Multidrug Transporter, Dr Uddipan Das, DBT, 3 Years, 2024-2027, Rs 40 Lakhs
39. Structural studies of mammalian innate immunity proteins and microbial proteins and drug design, Professor T.P. Singh, INSA, 1 Year, 2024-2025, Rs 5 Lakhs
40. Structure-based design of lead compounds against a novel drug target for the treatment of multi-drug resistant Tuberculosis, Dr Manoj Kumar, ICMR, 3 Years, 2021-2024, Rs 24 Lakhs
41. Structure-based design of lead compounds targeting persistent *Mycobacterium tuberculosis* to shorten the treatment duration, Dr Manoj Kumar, ICMR, 3 Years, 2022-2025, Rs 30 Lakhs
42. Study of circulatory level of serum proteins in inflammatory and anti-oxidative pathways in Alzheimer's disease for the establishment of potential biomarker and therapeutic target, Professor Sharmistha Dey, ICMR, 3, 2021, 2025, Rs 84 Lakhs
43. To determine and compare the adjuctive effect of photobiomodulation with 940nm diode laser on maximal interincisal mouth opening versus conventional non-invasive management in moderate oral submucous fibrosis: A blinded multiple-arm, randomized, controlled trial, Professor Savita Yadav, Intramural collaborative research project, 2 Years, 2024-2026, Rs 20 Lakhs

Completed

1. Cross-talk between exosomes and autophagy in Alzheimer's disease, Dr. Saroj Kumar, DHR, 3 Years, 2021-2024, Rs 49.46 Lakhs
2. Exploring novel molecules as therapeutic target for the prevention of Alzheimer's diseases, Professor Sharmistha Dey, ICMR, 4 Years, 2020-2024, Rs 67 Lakhs
3. Exploring the action of a potent antifungal protein lactoferrin and its derived functional fragments for the therapeutics of mucormycosis, Professor Sujata Sharma, SERB, 3 Years, 2021-2024, Rs 38.10 Lakhs
4. Exploring the potential of exosomal miRNA as novel biomarker targets of Parkinson's disease, Dr Saroj Kumar, AIIMS New Delhi (Early Career Intramural Research Grant), 2 Years, 2023-2025, Rs 10 Lakhs
5. Functional characterization of human multimerin 1 (in- vitro and in –vivo) and identification of its inhibitors as potential therapeutic target/s in ovarian, Dr. Savita Yadav, SERB, 3 Years, 2021-2024, Rs 54 Lakhs

6. Mechanistic understanding of Parkinson's disease and developing an early screening method, Dr Saroj Kumar, DHR, 3 Years, 2021-2024, Rs 33.95 Lakhs
7. Proteomic analysis of p53Y220C mutant with potential ligand curcumin and its analogs in Non-Small-Cell Lung/ adenocarcinoma, Professor Ethayathulla, Additional Prof, AIIMS-Intramural, 2 Yesars, 2022-2024, Rs 9.80 Lakhs
8. Rational structure-based ligand design for developing the antibacterial agent against the CoA synthetic pathway in drug resistance bacteria, Acinetobacter baumannii, Professor Sujata Sharma, ICMR, 3 Years, 2021-2024, Rs 45.84 Lakhs
9. Rational structure-based ligand design for developing the novel antibacterial agents against proteins involved in the Histidine biosynthesis pathway in Acinetobacter baumannii, Dr. Pradeep Sharma, ICMR, 3 Years, 2021-2024, Rs 29.48 Lakhs
10. Reverse pharmacology and multi-target approach for designing of novel therapeutics and candidates for COVID-19, Professor. Punit Kaur, ICMR, 2 Years, 2022-2024, Rs 66.80 Lakhs
11. Screening of therapeutic p53 activator molecules to restore the function of p53 oligomerization domain mutants in breast cancer, Professor Ethayathulla, Additional Prof, DHR, 3 Years, 2020-2024, Rs 31.70 Lakhs
12. Structural and functional studies of Mycobacterial Toxin-antitoxin systems, Dr. Uddipan Das, SERB Government of India, 3 Years, 2021-2024, Rs 56 Lakhs
13. Structural and functional studies of Mycobacterium tuberculosis peptidyl-tRNA hydrolase: A novel drug target of multidrug resistant Tuberculosis, Dr Krishna K Inampudi, DBT, 3 Years, 2021-2024, |Rs 68 Lakhs
14. Structure and function studies of peptidoglycan recognition proteins from innate immune system**,** Professor TP Singh**,** SERB/ANRF**,** 5 Years**,** 2020-2025**,** R**s** 141 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Atherosclerotic Cardiovascular disease: unravelling the early biomarkers from biofluid exosomes by iTRAQ based quantitative proteomics.
2. Blood and tissue metabolome profiling for early biomarker discovery in Oral Squamous Cell Carcinoma patients
3. Characterization and sequencing analysis of exosomes miRNA from biofluids of Coronary Artery Disease.
4. Cloning, recombinant expression and purification of human PI3K γ in bacterial system
5. Development of digital ELISA diagnostics to monitor therapeutic efficacy of pharmacological interventions in dopamine dictated states of Parkinson's disease and schizophrenia
6. Development of potent inhibitors against drug-resistant EGFR kinase for the treatment of EGFR positive tumors.
7. Development of potent inhibitors for RdRP and PLprotease from SARS-CoV2.
8. Development of screening method & evaluate the efficacy of novel drugs for Alzheimer's Disease
9. Discovery of potential lead compounds targeting Mycobacterium tuberculosis Shikimate kinase to combat multi-drug resistant tuberculosis
10. Drug Discovery and antiviral inhibitors against viral non-structural proteins.
11. Exploring novel molecules as therapeutic target for the prevention of Alzheimer's diseases
12. Exploring the role of Mitochondria related proteins in the pathogenesis of Alzheimer's Disease and their potential as Therapeutic Agents.
13. Expression analysis of selected miRNAs in idiopathic Recurrent Pregnancy Loss (iRPL)
14. Identification of DNA Aptamers against human sEGFR to treat lung cancer.
15. Identification of potential biomarkers for NSCLC using genomic and proteomic approaches.
16. Inhibiting invasion of Streptococcus pneumoniae using engineered peptides through mRNA display technology.
17. Investigating altered subunit configuration of glutamate receptors in Focal Cortical Dysplasia
18. Investigating the Impact of Extracellular Matrix Proteins on Alzheimer's Disease Progression: From Diagnostic to Potential Therapeutic Targets'

19. Investigating the mechanisms involved in regulation of glutamate receptor function in neuropathic pain.
20. Investigating the role of platelet-mediated release of histamine in altered synaptic activity associated with focal cortical dysplasia (FCD)
21. Potential role of Klotho as a blood-based biomarker and its therapeutic importance in breast cancer by targeting miRNA
22. Preclinical Assessment of a novel Tyrosine Kinase Inhibitor, KKI04 as a Promising Therapeutic Agent for Non-Small Cell Lung Cancer (NSCLC) using Mice xenograft model
23. Structural and functional studies of amino acid transport in Mycobacterium tuberculosis.
24. Structural and functional studies of p53 oligomerization mutant R337 in human cancer
25. Structural and functional studies of Mycobacterium tuberculosis peptidyl-tRNA hydrolase: A novel drug target of multidrug resistant Tuberculosis.
26. Structural and functional study of Malate synthase of Mycobacterium tuberculosis
27. Structural based drug design and inhibitor binding studies of *nsp12*-RNA dependent RNA polymerase enzyme of SARS-CoV-2 using flavonoid based scaffold as template
28. Structural studies of Multidrug transporters from Mycobacterium tuberculosis
29. Structure based design of nanobody inhibitors against EGFR: A Protein engineering approach to develop novel therapeutics for lung cancer.
30. Structure -guided development of novel anti-cancer moleucles targeting aurora kinases
31. Structure-based design of small-molecule stabilizer to reactivate the oncogenic mutant p53Y220C
32. Study of Therapeutics Potential of Mesenchymal Stem Cell- Derived Exosomes in Alzheimer's disease
33. Study to evaluate the potential of small non-coding RNAs as biomarker targets for Parkinson's disease
34. To investigate cross-talk between α7 nicotinic receptor and glutamate receptor function in neuropathic pain.
35. To investigate the role of NLRP3 inflammasome-mediated pyroptosis in the altered GABAA receptor function in focal cortical dysplasia (FCD)
36. To study the effect of platelet-derived extracellular vesicles (PEVs) on neuroinflammation and synaptic activity in drug-resistant epilepsy (DRE) pathologies.
37. Unraveling the exosomal and infrared based biomarker for early detection of breast cancer

Completed

1. Analysis of Anti-neurotoxicity of Amyloid beta (Aβ) in Alzheimer's disease (AD) pathology targeting Lipoxygenases
2. Comparative proteomic analysis of advanced ovarian cancer tissue to identify potential biomarkers of responders and non-responders to first line chemotherapy of carboplatin and paclitaxel
3. Comparative proteomic analysis to identify potential Biomarkers during the transformation of premalignant oral conditions to malignant oral squamous cell carcinoma
4. Elucidate the role of Semaphorin in epileptogenesis and hyperexcitability associated with temporal lobe epilepsy.
5. Proteomics of CSF and serum for the identification of protein signatures in dopamine dictated states of Parkinson's disease and Schizophrenia
6. Serum proteomics for the identification of biomarkers to flag predilection of COVID-19 patients to various organ morbidities
7. Structural analysis of human Phospholipase A2 mutations: Implication on enzyme function and understanding clinical scenarios
8. Structural and functional characterization of p53 tetramerization mutants
9. Structural and functional characterization of RNA dependent RNA polymerase (nsp12) from SARS-COV-2: Implications for the design of potent drug candidates against COVID-19
10. Structural and functional studies of amino acid transport in Mycobacterium tuberculosis.

11. Structural and Functional Studies of FtsZ cell division protein as a potential drug target against Salmonella Typhi.
12. Structural and functional studies of Mycobacterial Toxin-antitoxin systems
13. Structural and Functional studies of Mycobacterium Tuberculosis Peptidyl tRNA hydrolase – A Novel drug target of Multidrug Resistance Tuberculosis
14. Structural modeling of Phosphatidylinositol 3-kinase with stilbenoids and its analogues to develop potent inhibitory molecules against the enzyme drug target
15. Study of exosomal lipid content in Parkinson's disease and Amyloid beta association with exosomes
16. To evaluate the combined effect of insulin growth factor, transforming growth factor and fibroblast growth factor on growth of cardiac progenitor stem cells
17. Understanding age-dependent dysmaturity of cerebral cortex in cortical dysplasia
18. Understanding of Parkinson's disease pathogenesis by using plasma-derived biomarkers

Collaborative projects

Ongoing

1. A case-control study to investigate gut microbiota dysbiosis in drug-refractory epilepsy patients using whole-metagenomic shotgun sequencing, Department of Neurology, AIIMS, New Delhi Funded by Department of Health Research (DHR), Ministry of Health and Family Welfare, Govt. of India
2. A comparative study to evaluate the alkaline phosphatase level and implant stability quotient in immediate implants placed by using socket shield technique and conventional technique in the maxillary anterior region – a randomized controlled trial, Department of Prosthodontics and Crown Bridge, Center for Dental Education & Research, AIIMS, New Delhi
3. An observational study to investigate the gut microbiota composition of patients with drug-resistant epilepsy, Department of Neurology, AIIMS, New Delhi Funded by AIIMS Interdisciplinary Collaborative Intramural Research Project, AIIMS, New Delhi.
4. Analysis of Fourier-transform Infrared Spectroscopy in Pancreatic Neuroendocrine Tumor Patients, Department of Anatomy, AIIMS, New Delhi
5. Connecting pathogenesis to Calcium signalling in protozoan parasite E. histolytica, Multidisciplinary Centre for Advanced Research and Studies, Jamia Millia Islamia, New Delhi-110025
6. Deciphering the oncogenic network of USP37 (USP37) in ovarian cancers and identification, validation of novel molecular target, Department of Medical Oncology, AIIMS
7. Delineating the co-evolution of HIV-I broadly neutralizing antibodies and circulating viruses in mono-zygotic twins pediatric elite-neutralizers, Department of Biochemistry, AIIMS
8. Development of screening method & evaluate the efficacy of novel drugs for Alzheimer's Disease, Department of Geriatric Medicine and Department of Neurology, AIIMS, New Delhi
9. Differentially expressed synaptic-activity-associated long non-coding RNAs (IncRNAs) in drug-resistant epilepsy (DRE), Department of Neurology, AIIMS, New Delhi. Funded by Intramural Grant (IRG), Research Section, AIIMS, New Delhi.
10. Dissecting the potential molecular signature by proteomics and metabolomics in predicting the clinico-radiological course of cerebral edema following traumatic brain injury, Department of Neurosurgery
11. Dissecting the potential molecular signature by proteomics and metabolomics in predicting the clinico-radiological course of cerebral edema following traumatic brain injury, CSIR-IICT, Hyderabad, India
12. Drug Discovery and antiviral inhibitors against viral non-structural proteins, Laboratory for Multidisciplinary Research in Virology, YRC, Yenepoya (deemed to be university),
13. Elucidation of role of steroidal and non-steroidal hormones on neuroinflammation in cortical dysplasia versus non-cortical dysplasia drug-resistant epilepsy, Dr BR Ambedkar Center for Biomedical Research, University of Delhi, Delhi. Funded by Department of Health Research (DHR), Ministry of Health and Family Welfare, Govt. of India
14. Evaluation of prophylactic effect of quercetin on renin-angiotensin-aldosterone axis under acute hypobaric hypoxic condition, DIPAS, DRDO, Delhi

15. Evaluation of therapeutic efficacy and mechanism of repetitive transcranial magnetic stimulation on the cognitive enhancement in hypobaric hypoxic environment, Department of Physiology, AIIMS, New Delhi Funded by Life Science Research Board (LSRB), DRDO, Govt. of India
16. Functional characterization of human Multimerin1 (in vitro and in-vivo) and identification of its inhibitors as potential therapeutic targets in ovarian cancer, Department of Biophysics, AIIMS
17. Identification and evaluation of novel proteins, inhibitors of apoptotic proteins, and exosomes in cases of pancreatic neuroendocrine tumors, Department of Anatomy, AIIMS, New Delhi
18. Identification of pathological and disease activity markers in Primary CNS Vasculitis, Department of Neurology, AIIMS, New Delhi
19. Identification of the early candidate biomarkers of oral cancer from the saliva exosomal proteome, Department of Otolaryngology, AIIMS, New Delhi
20. Identify the role of inhibitors of apoptotic proteins in respiratory neuroendocrine tumor, Department of Anatomy, AIIMS, New Delhi
21. IL6 biomarker level in sleep apnea patient after Mandibular advancement appliance and Cpap therapy, Department of Prosthodontics and Crown Bridge, Center for Dental Education & Research, AIIMS, New Delhi
22. Integrative Proteomics and Metabolomics Analysis of Plasma and Exosomes for Early Diagnosis of Non-Small Cell Lung Cancer, Medical Oncology, AIIMS, New Delhi
23. Integrative Proteomics and Metabolomics Analysis of Plasma and Exosomes for Early Diagnosis of Non-Small Cell Lung Cancer, Pulmonary Medicine and Sleep Disorders, AIIMS, New Delhi
24. Integrative Proteomics and Metabolomics Analysis of Plasma and Exosomes for Early Diagnosis of Non-Small Cell Lung Cancer, CSIR-IICT, Hyderabad, India
25. Pharmacological intervention of protein tyrosine kinase Pyk2 in Temporal Lobe Epilepsy rat model to evaluate its role in seizure susceptibility and synaptic plasticity, Dr BR Ambedkar Centre for Biomedical Research, ACBR, University of Delhi, Delhi. Funded by *by* Institute of Eminence (IoE), University of Delhi
26. Preclinical Assessment of a novel Tyrosine Kinase Inhibitor, KKI04 as a Promising Therapeutic Agent for Non-Small Cell Lung Cancer (NSCLC) using Mice xenograft model, Life Sciences, Shiv Nadar University, Noida
27. Preclinical Assessment of a novel Tyrosine Kinase Inhibitor, KKI04 as a Promising Therapeutic Agent for Non-Small Cell Lung Cancer (NSCLC) using Mice xenograft model, Department of Cellular and Molecular Medicine, University of Ottawa, Canada
28. Proteomic Profiling of Plasma-derived Exosomes of Pancreatic Neuroendocrine Tumor Patients, Department of Anatomy, AIIMS, New Delhi
29. Role of non-coding RNAs (ncRNAs) in clinicopathological classification and molecular perturbances associated with Focal Cortical Dysplasia (FCD), Department of Neurology, AIIMS, New Delhi Funded by Department of Biotechnology (DBT), Ministry of Science & Technology, Govt of India
30. Role of seipin protein in cholesterol transport, Department of Biotechnology, AIIMS, New Delhi
31. Structural studies of lipid transporter in Acinetobacter baumnii, University of Madras, Chennai
32. Structure-based design of lead compounds against a novel drug target for the treatment of multi-drug resistant Tuberculosis, Department of Biophysics, AIIMS
33. Study to evaluate the potential of small non-coding RNAs as biomarker targets for Parkinson's disease, Department of Neurology, AIIMS, New Delhi
34. Synthesis of inhibitors of malate synthase of *Mycobacterium tuberculosis*, IIT, Delhi
35. Synthesis of inhibitors of shikimate kinase of *Mycobacterium tuberculosis*, IIT, Delhi
36. To determine and compare the adjunctive effect of photobiomodulation with 940nm diode laser on maximal interincisal mouth opening versus conventional noninvasive management in moderate oral submucous fibrosis: A blinded multiple-arm, randomized, controlled trial. Department of oral medicine & Radiology, CDER, AIIMS, New Delhi

37. Understanding the QT prolongation risk of Imidacloprid and its metabolites using in vitro pharmacological studies, Department of Pharmacology, AIIMS, New Delhi Funded by Intramural Grant, Research Section, AIIMS, New Delhi.
38. Unraveling the exosomal and infrared based biomarker for early detection of breast cancer, Department of Pathology, Department of Surgical Disciplines, and Department of Medical Oncology BRA-IRCH, AIIMS, New Delhi

Completed

1. Clinical significance of proteomics in liquid biopsy for Indian breast cancer women: An exploratory study**,** Department of Surgery, AIIMS, New Delhi
2. Evaluation of salivary biomarkers as compared to established serum biomarkers in predicting pre –eclampsia: A nested case control study, Department of Lab Medicine, AIIMS, New Delhi
3. Screening of inhibitory molecules against KIFC1, KIF4A, KIF15 and KIF20A and evaluation of anticancer activity of the identified molecules on breast cancer cells, National Institute of Pathology, Delhi
4. Potential of quercetin as a diuretic agent at high altitude by targeting carbonic anhydrase II, DIPAS, DRDO, Delhi
5. Cryo-EM structure elucidation of Cucumber green mottle mosaic virus, IISER, Kolkata

Research over past 3 years

Research	2022–2023	2023–2024	2024-2025
Total funded projects	32	42	45
Total funding	Rs 1455.86 Lakhs	Rs 1342.40 Lakhs	Rs 2194.18 Lakhs

Publications

Journals: 61 **Abstracts: 06** **Chapters in Book: 01** **Books & Monographs: 01**

Publications over last 3 years

Item	2022-2023	2023-2024	2024-2025
Total	54	61	69
Journal articles	44	53	61
Abstracts	7	6	6
Chapters in books	3	2	1
Books	Nil	Nil	1

PATIENT CARE: NIL

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor TP Singh received Visiting Professorship award by the Indian Institute of Technology, Roorkey; Visiting Professorship Award of the State Maharaja Surajmal University of Bharatpur.

Professor Punit Kaur was Member, Task Force on 'Antimicrobial Resistance, Epidemiology and Communicable Diseases (ECD) Division, ICMR; Member, Expert Committee, Proposals under PM-ABHIM scheme – Bioinformatics, ICMR; External Member, Board of Studies, Department of Computational Sciences, Central University of Punjab, Bathinda; Expert Member, Syllabus Committee for DHR-ICMR Non-medical Fellowship-PhDNet.

Professor Savita Yadav received AIIMS Research Excellence Award (Third Prize); External member of the Departmental research committee, Department of Biosciences, Jamia Millia Islamia, New Delhi; Nominated as the external expert of the selection committee at CSIR-IICB Kolkata; Member, subcommittee, CCRF, Research section, AIIMS, New Delhi; Member, IBSC, IIT Roorkee; Member, Basic Science Project Review Committee to review the Early Career Intramural Project; External subject expert for the selection committee for the post of Assistant Professor in Department of Biotechnology,

Gautam Buddha University, Greater Noida, UP; PhD thesis evaluated: University of Delhi, New Delhi; Guru Govind Singh Indraprastha University, New Delhi; Panjab University, Chandigarh; M.S. University, Baroda.

Professor Sharmistha Dey was Elected as president in Association of Gerontology India (AGI) society; PhD thesis evaluated: BHU, Varanasi and Central University Rajasthan, Ajmer BHU, Varanasi and Central University Rajasthan, Ajmer; External subject expert for the selection committee for the post of JRF to SRF promotion in Dr BR Ambedkar Center for Biomedical Research New Delhi; Member, subcommittee, CCRF, Research section, AIIMS, New Delhi.

Dr Krishna K Inampudi was Events head at "VESICON 2025: Where Vesicle Science Meets Clinical Innovation" at Mahindra University, Hyderabad on 11th- 13th March 2025; Invited lecture on "Protein design and its applications" at Gdansk University of Technology Gdansk, Poland; Received the prestigious long-term ICMR-DHR International Fellowship for Young Indian Biomedical Scientists 2023-24 to visit Stanford University, USA; A commentary was published on our research article, 'Redefining NSP12 activity in SARS-CoV-2 and its regulation by NSP8 and NSP7, 'highlighting its importance in designing potential inhibitors against RNA viruses; Visiting scientist (2024 – 2025) at SLAC, Stanford University, USA.

Dr Saroj Kumar was Co-convener at "VESICON 2025: Where Vesicle Science Meets Clinical Innovation" at Mahindra University, Hyderabad on 11-13 March 2025; Invited speaker at "Indo-German Science and Technology Centre (IGSTC)" at Mahindra University, Hyderabad on 10th March 2025; Honorarium Lecture at "Chemistry for Energy, Environment and Biomedical Applications (CEEBA-2024)" at NIT Hamirpur on 17th -21st December 2024; Adjunct Professor (2021 – 2024) at Lulea Institute of Technology, Sweden. Teaching and Scientific visit as a visiting faculty at Lulea University of Technology, Sweden; AIIMS research shows Alzheimer's can be detected early: Why is this breakthrough significant?" The Indian Express 11th July 2024. https://indianexpress.com/article/health-wellness/hope-for-alzheimers-early-diagnosis-why-aiims-blood-test-could-be-a-gamechanger-9445783/; Adjunct Professor (2021 – 2024) at Lulea Institute of Technology, Sweden. Teaching and Scientific visit as a visiting faculty at Lulea University of Technology, Sweden.

Dr Jyotirmay Banerjee Received AIIMS Oncology Research Award under Basic Science Category at 4th AIIMS Research Day on 30 January 2025; Invited as a speaker & session chairperson at the 15th Asian & Oceanian Epilepsy Congress (AOEC- 2025) held in February 2025; Co-editor of the journal *Neurology India*; EC member of the Indian Epilepsy Society (IES); Received third prize in Hindi essay writing competition during Hindi month.

Dr Manoj Kumar was External expert in executive review board of project INM-324 at INMAS, DRDO, Delhi; Examiner to evaluate practical examination of Master of Bioinformatics students at GGS IP University, Delhi.

VISITING SCIENTIST

Dr Rafi Ahmad, Norway; Dr Balpreet Ahluwalia, Norway; Dr Shekhar, Mande, Vignana Bharti, Shashak Shekhar, Abhay Kumar Singh, Ishan Kumar Patro.

9.6 Biostatistics

Professor and Head

Maroof Ahmad Khan

Assistant Professor

M Kalaivani

Group A Officers

Shivam Pandey Nilima Sumit Kumar Das

HIGHLIGHTS

The Department is currently engaged in two extramurally funded research projects. In addition, it collaborates with various Centers and Departments within the Institute, contributing to a total of 268 ongoing and 6 completed research projects. Faculty and scientists from the Department have contributed to 132 research publications in a wide range of peer-reviewed medical journals. Faculty members have also served as selection committee members for other institutes and universities. Faculty of the department hold editorial and scientific reviewer positions in both national and international medical journals across various specialties. Moreover, they have participated in multiple administrative and scientific committees within the Institute, served as invited members of scientific committees of the Indian Council of Medical Research (ICMR), and contributed their expertise to Data Safety Monitoring Boards (DSMBs) for national clinical trials.

EDUCATION

The educational activity of the Department encompasses a wide spectrum including undergraduate, paramedical and postgraduate courses, viz. MBBS, BSc(Hons.) in Medical Technology in Radiology, M. Biotech, BSc and MSc Nursing. Faculty members and scientists collaborate as Co-Guides and DC Members across various departments within the Institute offering guidance to students pursuing PhD, DM, MCh, MD/MS/MHA/MDS courses. The primary activities of the department involve both teaching and offering scientific statistical guidance. This guidance is extended to faculty, scientists conducting research (both funded and non-funded), as well as all medical and paramedical students working on their thesis/ dissertation. The department provides support from the initial planning stages through to the completion of report writing.

CMEs/Workshops/Symposia/National and International Conferences

Events organized by the Department

Nil

Lectures delivered at CMEs, National and International Conferences

Lectures Delivered: 14

M Kalaivani: 14

M Kalaivani

1. Hands-on for Creating Study Instruments and Sample Study Instrument Ready for Data Entry, Hands-on Workshop on Research Data Capturing using RED Cap, 9 April 2024, Delhi
2. Creating Study Instruments: Piping and Smart variables, Hands-on Workshop on Research Data Capturing using RED Cap, 9 April 2024, Delhi
3. Description of a Sample Study Instrument with Various Field Types and its Validation, Hands-on Workshop on Research Data Capturing using RED Cap, 9 April 2024, Delhi
4. Measures of effect and exploring heterogeneity, Systematic Reviews & Meta-analyses, 18 April 2024, Delhi
5. Meta analysis-Interpretation of findings (Forest plot, funnel plot, sensitivity analysis), Systematic Reviews & Meta-analyses, 19 April 2024, Delhi
6. Statistical models for systematic reviews and meta- analysis, Effect measures, Cochrane Reviews, 8 May 2024, Delhi

7. Introduction to Forest Plot, Cochrane Reviews, 8 May 2024, Delhi
8. Understanding meta-analysis outputs: Heterogeneity, Sub group analysis and Sensitivity Analysis, Cochrane Reviews, 9 May 2024, Delhi
9. Variables: Functional relationship, Levels of Measurement and Statistical Inference, type of Error and Power, PG Research Methodology Workshop, 13 November 2024, Delhi
10. Introduction to Basic Biostatistics, Data Analysis using SPSS, 18 December 2024, Delhi
11. Sample Size estimation for case-control studies, Workshop on Case-Control Studies – Design, methods and analysis, 21 January 2025, Delhi
12. Statistical Analysis Plan Matched case-control analysis & Logistic regression, Workshop on Case-Control Studies – Design, methods and analysis, 4 February 2025, Delhi
13. Data Analysis – Hands on session, Workshop on Case-Control Studies – Design, methods and analysis, 11 February 2025, Delhi
14. Probability distribution & sample size, Research Methodology, February 2025, Delhi

LECTURES DELIVERED OVER LAST 3 YEARS

2022–2023	2023–2024	2024–2025
1	15	14

List of oral papers/posters presented: 6

1. Kalaivani M, Singh Y, Varhlunchhungi V, Hemraj C, Gupta S K, Malhotra S et al, Secular trends in the prevalence of overweight and obesity from 2006-2022 among public and private school children and adolescents aged 6-19 years in Delhi, India, Obesitas Conference 2025, 2 March 2025, Delhi1
2. Chauhan SN, Kumaran S, Chatterjee B, Dhawan A, Sarkar S, Kalaivani M, Neuroimaging Insights into Opioid Cue Reactivity: Development of an fMRI Task Targeting Chasing as an Administration Route in Opioid Dependence, International Society for Addiction Medicine 2024 Congress, 8 September 2024, Istanbul
3. Gokhale A, Amudhan S, Jangam K, Kalaivani M, Tiwari HK, Bharti D, et al, Project SUMS (scaling up of mental health in schools): A pragmatic, cluster randomized trial on effectiveness of integrated school mental health intervention for adolescents in India, 5th IAPSM Young Leaders' National Conclave, 9 November 2024, Delhi
4. Purohit B, Priya H, Diang A, Duggal R, Nilima N, Chaturvedi Set al, Oral Health Predictors for Dietary Diversity among Adult Tobacco Users- A Comparative Study, 28th European Association of Dental Public Health conference 2024, 4 October 2024, Heraklion-Crete
5. Sharma V, Gupta A, Narzari H, Gupta S, Sharma K, Fulara K, Nilima N et. al, Impact Of Gender And Occupation On Ace-III (Illiterate Version) Cognitive Performance In Rural India Population, The Alzheimer's Association International Conference® (AAIC) Neuroscience Next 2025 - India Hybrid, 27 February 2025, Delhi
6. Gupta A, Sinha A, Sharma V, Raina SK, Roy S, Baidya S, Nilima N et al, Sociodemographic and Risk Factor Analysis of the SMRUTHI India: a cohort of at-risk elderly Indians for primary prevention of dementia, Alzheimer's Association International Conference 2024, 29 July 2024, Philadelphia

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
2	3	6

RESEARCH

Funded projects

Ongoing

1. Strategic Multimodal Intervention in at-risk Elderly Indians for Prevention of Dementia (SMRUTHI INDIA): A cohort multiple randomized controlled trial (cmRCT), Dr M A Khan, ICMR, 4 Years, 2022-2025, Rs 10 Lakhs

1. Third Prize

2. Development of longitudinal growth reference and assessment of growth velocity, cardio metabolic measures and its correlation among children in India– A prospective study, Dr M Kalaivani, ICMR, 3.3 Years 2021-2025, Rs 93.4 Lakhs

Completed

NIL

Departmental projects (including thesis/dissertations)

Ongoing

NIL

Completed

Collaborative Projects:

Ongoing

1. 200-cm Vs 150-cm Biliopancreatic limb in single anastomosis sleeve jejunal bypass surgery for obesity: A phase II randomized controlled trial, Department of Surgical Disciplines
2. A comparative proteomics and metabolomics study of Idiopathic pulmonary fibrosis (IPF) and Post-COVID pulmonary fibrosis (pCPF) to identify new pathological and therapeutic pathways, Department of Pulmonary, Critical Care and Sleep Medicine
3. A comparison of effect of desflurane vs sevoflurane on arterial oxygenation during one lung ventilation for thoracotomies in onco-surgical patients: - A randomized control trial, Department of Onco-anaethesia
4. A comparison of modulating effect of cTBS and low frequency rTMS on cortical excitability in children and adolescents aged 5-14 years with lesional drug refractory Epilepsy (Focal epilepsy or electrical status epilepticus in sleep) : An open label randomized non-inferiority crossover study, Department of Pediatrics
5. A cross-sectional study on factors associated with hospital readmission within 90 days of discharge in older adults with age more than 65 years, Department of Geriatric Medicine
6. A cross-sectional study to assess the functional status in post COVID infected persons and symptoms in long COVID patients, Department of Medicine
7. A cross-sectional study to assess the quality-of-life impairment in children and adolescents with vitiligo and their primary care givers and comparison of prevalence of depression, anxiety and low self-esteem in children and adolescents with vitiligo as compared to age and sex matched healthy controls, Department of Dermatology & Venereology
8. A cross-sectional study to assess the severity of neurogenic bowel dysfunction, quality of life, functional status and whole bowel transit in spinal cord injury, Department of Physical Medicine and Rehabilitation
9. A cross-sectional study of patient reported quality of life and cognitive impairment in patients with gastrointestinal stromal tumor, Department of Medical Oncology
10. A double-blind, Randomized, Placebo-Controlled Trial Assessing Ocimum Sanctum Extract As Adjuvant Therapy in Persons with Drug-Resistant, Department of Pharmacology
11. A non-randomized control trail to study the effect of metformin as compared to 20% calorie restriction in elderly individuals with early diabetes, Department of Geriatric Medicine
12. A phase II randomized controlled trial comparing pectoralis major myocutaneous flap outcomes using conventional and indocyanine green angiography technique in oral cancers, Department of Surgical Oncology
13. A phase II randomized controlled trial comparing pulmonary complications in retrosternal vs posterior mediastinal gastric conduit placement in patients undergoing esophagectomy, Department of Surgical Oncology
14. A preliminary study to validate BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill mechanically ventilated patients using post-mortem minimally invasive tissue sampling, Department of Medicine
15. A prospective cohort study to evaluate the feasibility and accuracy of fetal Vibroacoustic stimulation as a tool for prenatal hearing screening, Department of Otorhinolaryngology

16. A prospective observational study on sensory changes: analyzing paresthesia/hypoesthesia in the neck & anterior chest following endoscopic thyroidectomy via axillo-breast & bilateral axillo-breast approaches done for benign or cytologically indeterminate lesions, Department of Surgical Disciplines
17. A randomized controlled trial comparing intralesional triamcinolone acetonide with 5-fluorouracil alone versus in combination with intralesional radiofrequency ablation in the treatment of keloids, Department of Dermatology & Venereology
18. A randomized controlled trial to standardize port site local anaesthesia infiltration in patients undergoing laparoscopic cholecystectomy, Department of Surgical Disciplines
19. A randomized control trial evaluating dual therapy of oral corticosteroids and intranasal corticosteroids vs intranasal corticosteroids only to prevent recurrence in chronic rhinosinusitis with nasal polyposis after functional endoscopic sinus surgery, Department of Otorhinolaryngology
20. A randomized control trial in laparoscopic cholecystectomy to compare pain relief in standard pressure pneumoperitoneum with port site infiltration versus low pressure pneumoperitoneum with laparoscopically guided transversus abdominis plane block and standard pressure pneumoperitoneum with laparoscopically guided transversus abdominis plane block, Department of Surgical Disciplines
21. A randomized controlled trial to assess the use of antibiotic prophylaxis for non-hysterectomy gynecological laparoscopic surgeries, Department of Obstetrics & Gynecology
22. A randomized placebo-controlled trial to assess efficacy of vitamin D supplementation in non- cystic fibrosis bronchiectasis patients, Department of Medicine
23. A study of central pain modulation in chronic pancreatitis, Department of Medicine
24. A study of immune responses in the pathophysiology of human chronic pancreatitis, Department of Biochemistry
25. A study of spiritual well-being among patients with diabetes mellitus attending secondary care facility in district Faridabad, Haryana, Centre for Community Medicine
26. A study on cellular physiology of endometriosis-associated estrogenic action in endometrial stromal cells, Department of Physiology
27. Addition of low-dose pembrolizumab to capecitabine for residual triple negative breast cancer post neoadjuvant chemotherapy: A phase III randomized double-blinded placebo-controlled clinical trial, Dr B R Ambedkar Institute Rotary Cancer Hospital
28. Adherence need assessment tool development and validation among PLHIV to improve adherence to Anti-retroviral therapy, Department of Medicine
29. Agreement between home-based videos and in clinic videos for general movement assessment in high-risk infants for predicting occurrence of Cerebral Palsy and risk of Autism Spectrum Disorder at 12 months age: A longitudinal observational study, Department of Pediatrics
30. Air pollution and impact on mental health (Suicides), Center for Community Medicine
31. Ambient air pollution, lung functions and cognitive impairment vis-à-vis micronutrient deficiencies: A longitudinal multi-centric cohort study among adolescents, Department of Pulmonary, Critical Care and sleep Medicine
32. An assessor blinded, randomized controlled trial comparing the safety and efficacy of oral metformin with topical 4% hydroquinone vs topical 4% hydroquinone alone in treatment of melasma in Indian skin types, Department of Dermatology & Venereology
33. An interventional study to strengthen and develop continuum of care for common mental health disorders, Department of Psychiatry
34. An investigation into the impact of particulate matter exposure on placental inflammatory response and fetal development, Department of Biochemistry
35. An open label randomized controlled trial comparing the efficacy of fractional co_2 laser with topical triamcinolone versus microneedling radio-frequency (mnrf) with topical triamcinolone in the treatment of keloids, Department of Dermatology & Venereology
36. An Open Label Randomized Control Trial to Compare the Outcomes with and without Pre-operative Splenic Artery Embolization (SAE) in Patients with Moderate Splenomegaly Undergoing Elective Laparoscopic Splenectomy, Department of Surgical Disciplines

37. Analysis of Clinical and environmental fungal isolates in medical ward and Intensive care unit – A tool for hospital infection surveillance, Department of Medicine
38. Analysis of symptom burden and quality of life in patients undergoing hemodialysis at tertiary care centre: a prospective observational study, Department of Medicine
39. Anemia: exploring the role of vitamin D, essential elements and lifestyle in the Indian population, Department of Pharmacology
40. App assisted diagnosis of patients presenting with dizziness based on patient's symptomatology, elaborative clinical testing and basic investigations, Department of Otorhinolaryngology
41. Artificial intelligence-based decision Support System for Diagnosing Ventilator Associated Pneumonia, Department of Medicine
42. Artificial intelligence for diagnosis, local staging and prognostication of prostate cancer based on data from baseline Gallium-68 PSMA PET/CT Scan and other clinical modalities, Department of Nuclear Medicine
43. Assessment of adreno-cortical function and its implications in PLHIV population, Department of Medicine
44. Assessment of clinico-laboratory parameters and outcomes associated with dysglycemia in patients with sepsis, Department of Medicine
45. Assessment of factors affecting functional independence in oldest old adults, Department of Geriatric Medicine
46. Assessment of household level vulnerability and health system preparedness towards heat related illness in selected districts of Haryana, Centre for Community Medicine
47. Assessment of intrinsic capacity in Indian older adults (age 65 years or more) with prostate cancer and without prostate cancer, Department of Medical Oncology
48. Assessment of post cholecystectomy symptoms and quality of life evaluation: a prospective cohort study, Department of Surgical discipline
49. Assessment of risk status of diabetes-related foot disease among people with diabetes residing in an urban resettlement colony in Delhi: A cross-sectional study, Centre for Community Medicine
50. Assessment of self-reported sleep duration and quality in relation to the cognitive status of older adults, Department of Geriatric Medicine
51. Assessment of the analgesic efficacy of bilateral pecto-intercostal fascial block and intermediate cervical plexus block in patients undergoing bilateral axillo-breast approach (BABA) endoscopic thyroidectomy under general anaesthesia: A randomized controlled trial, Department of Anesthesiology
52. Assessment of the efficacy of pulsed dye laser alone and in combination with Long-Pulsed Nd: YAG Laser or Topical Sirolimus (0.5%) ointment in the treatment of Hypertrophic Facial Portwine stains : A prospective, randomized, double-blind, placebo-controlled, intra-individual, pilot study, Department of Dermatology & Venereology
53. Association of Adipose-Muscle Phenotypes with Clinical and Metabolic Parameters in Adult Patients with metabolic Dysfunction Associated Steatotic Liver Disease (MASLD), Department of Medicine
54. Association of hypocalcemia in dengue fever presented to ED, Department of Medicine
55. Bimolecular analysis of neuro-protective effect of intervention in older adults with mild cognitive impairment, Department of Geriatric Medicine
56. Bone health in males with congenital causes of hypogonadism, Department of Endocrinology & Metabolism
57. Burden of cardiometabolic disorders in PLHIV on ART, Department of Medicine
58. Central line-associated bloodstream infections and bacterial contamination among health care workers in medical ICU: a prospective observational study, Department of Medicine
59. Centre for advanced research and excellence (CARE) in young diabetes, Department of Endocrinology & Metabolism
60. Clinical profile & outcome of patients presenting with hypertensive crisis to emergency department, Department of Emergency Medicine

61. Clinical profile and treatment outcomes of tumor induced osteomalacia- A single center experience, Department of Endocrinology & Metabolism
62. Clinical, dermoscopic and biomarker predictors of future disease activity in non-segmental vitiligo: a prospective cohort study, Department of Dermatology & Venerology
63. Combination of tofacitinib with transplantation of non-cultured epidermal cell suspension vs non-cultured epidermal cell suspension alone in non-segmental vitiligo patches clinically stable for <1 year: a randomized controlled trial, Department of Dermatology & Venerology
64. Community based assessment of disability among adult population in Delhi using WHO International classification of functioning, disability, and health, Community Ophthalmology, RPC
65. Comparative efficacy of high flow nasal cannula vs non-invasive ventilation in patients with acute exacerbation of chronic obstructive pulmonary disease: a randomized controlled trial, Department of Emergency Medicine
66. Comparative evaluation of methadone and morphine in managing breathlessness, pain and quality of life in lung carcinoma patients: A randomized control trail, Department of Onco-Anaesthesia & Palliative Medicine
67. Comparison of acceptance and commitment therapy with exercise therapy vs only exercise therapy in chronic low back pain patients with central sensitization: a randomized control trial, Department of PM&R
68. Comparison of clinical efficacy of 2.5% toludine blue mediated topical photodynamic therapy with topical calcipotriol in management of oral leukoplakia, Department of Oral Medicine & Radiology, CDER
69. Comparison of contrast enhance mammography & abbreviated protocol breast MRI in disease extent evaluation in patients of early breast cancer, Department of Radio-diagnosis & Interventional Radiology
70. Comparison of diagnostic accuracy of contrast enhanced ultrasound (CE-US) with sestamibi/SPECT for localization in primary hyperparathyroidism (PHPT), Department of Surgical Disciplines
71. Comparison of overall response to neoadjuvant short course radiotherapy followed by consolidation chemotherapy with conventional long course chemoradiotherapy in locally advanced rectal cancer, Department of Radiation Oncology
72. Comparison of pain status in patients undergoing targeted muscle re-innervations vs conventional stump preparation following post traumatic above knee amputation: a randomized controlled trial, Division of Trauma Surgery & Critical Care, JPN Apex Trauma Center
73. Comparison of Re-188-HDD lipiodol trans arterial radionuclide therapy (TART) with Re-188-DEDC lipiodol TART in the management of advanced hepatocellular carcinoma: A randomized control trial, Department of Nuclear Medicine
74. Comparison of whole-body MRI with 18 f-FDG PET/CT in pediatric lymphohistiocytic neoplasms, Department of Radiodiagnosis
75. Contrast enhanced ultrasound guided celiac plexus nerve block in upper abdominal cancer pain, Department of Otorhinolaryngology
76. Control of HbA1c, blood pressure and cholesterol (ABC) among adults with diabetes in an urban resettlement colony, Centre for Community Medicine
77. Correlation of brain MRI findings with clinical outcome and its implication in management of HIV negative CNS tuberculosis in pediatric population, Department of Radio-diagnosis & Interventional Radiology
78. Correlation of pre and post surgical findings with clinical course in patients undergoing early laparoscopic cholecystectomy for asymptomatic gall stone disease: a prospective study, Department of Surgical disciplines
79. Correlation of sleep architecture with cognition, behaviour and executive function in children and adolescents aged 5 – 18 years with pharmaco-responsive non-lesional epilepsy: an observational study, Department of Pediatrics
80. Coverage and delivery of maternal nutrition services in primary health care settings in a rural area of Ballabgarh, Haryana, Centre for Community Medicine
81. Deciphering the synergism between IGF2BPs and m6A machinery in B-cell acute lymphoblastic leukemia, Department of Biochemistry

82. Design and development of a safe portable, economical, non-invasive, point of care digital infrared imaging system for screening and early detection of oral cancer-an exploratory pilot study, Centre for Dental Education & Research

83. Developing a step wise approach to diagnose pediatric sleep disorders: A Questionnaire, actigraphy and polysomnography based observational study, Department of Pediatric Neurology

84. Development & validation of a predictive score for low bone mineral density in children with juvenile idiopathic arthritis, Department of Pediatrics

85. Development and evaluation of an individualized weight management module for young adults, Department of Medicine

86. Development and validation of a comprehensive module for management of sleep disorders in children with autism spectrum disorder aged 4-10 year: a pre and post intervention study, Department of Pediatrics

87. Development and validation of Immunoassays aid in Diagnosing and assessing treatment response in chronic pulmonary aspergillosis, Department of Medicine

88. Development of a scale to measure the psychosocial impact of vitiligo in children, Department of Dermatology & Venereology

89. Development of neuro-vascular coupled computational modelling in stroke using multimodal imaging, Department of NMR & MRI facility

90. Diagnostic accuracy of gene XPERT ultra in tuberculosis pleural effusion, Department of Medicine

91. Diagnostic accuracy of modified water bath technique and conventional ocular ultrasound in comparison to non-contrast computed tomography (NCCT) of the orbit for identifying ocular injuries in trauma patients, Department of Emergency Medicine

92. Diagnostic accuracy procalcitonin for detecting sepsis in chronic kidney disease patients, Department of Medicine

93. Diagnostic utility of bronchoalveolar lavage & computerized tomography in diagnosis of recurrence among sputum scarce & sputum negative treated pulmonary tuberculosis suspects, Department of Medicine

94. Diagnostic validation of first episode and chronic neurobehavioral outcome in pediatric onset central nervous system acquired demyelination syndrome: an ambispective observational study, Department of Pediatrics

95. Dietary practices and nutritional status of children aged 06-23 months in an urban resettlement colony of Delhi, Centre for Community Medicine

96. Disease characteristics, complications and outcome of management of Wilms tumor, Department of Pediatric Surgery

97. Double-blinded randomized controlled trial evaluating the feasibility, safety and efficacy of obturator nerve combined with femoral nerve block for analgesia in patients with varicose veins being treated by endovenous laser ablation of great saphenous vein, Department of Cardiovascular Radiology & Endovascular Interventions

98. Drivers of reduction in anemia in India: Insights from sub-national exemplars. COVID-19 in Indian Population: A prospective multi-centric study, Department of Community Medicine

99. Drug intervention for prevention of type 2 diabetes among women with prior gestational diabetes mellitus and pre-diabetes in south Asia (divine): A randomized control trial, department of endocrinology and metabolism, Department of Endocrinology and Metabolism

100. Early integration of point of care ultrasound (POCUS) in Onco-palliative care, Department of Onco-Anaethesia

101. Effect of comprehensive sleep program on sleep quality and glycemic/ metabolic control in patients with diabetes mellitus: A randomized controlled trial, Department of Endocrinology and Metabolism

102. Effect of educational intervention on antifungal use in medicine wards and ICU, Department of Medicine

103. Effect of Exercise on Dual Task Performance in Cognitive Frail patients: A Non-Randomized Control Trail, Department of Geriatric Medicine

104. Effect of exercise on the functional status and mental well-being in patients with chronic low back pain: A pre-post interventional study, Department of PMR

105. Effect of NMN and Ca-AKG on cognitive impairment in older Indians attending memory clinic, National Centre for Ageing, AIIMS, New Delhi, Department of Geriatric Medicine

106. Effect of remote ischemic post-conditioning on inflammatory markers and myocardial injury during thrombolysis in normal and vitamin D deficient patients suffering from acute coronary syndrome, Department of Pharmacology

107. Effect of sugammadex versus neostigmine reversal on lung aeration score after operative fixation of cervical spine: A prospective, double blinded, randomized control trial, Department of Neuro-Anaesthediology and Critical Care

108. Effect of yogic intervention of pain status and cortical excitability in fibromyalgia patients, Department of Physiology

109. Effects of myoinositol supplementation of seizure frequency in person with drug resistant epilepsy, Department of Pharmacology

110. Efficacy and safety of intramuscular haloperidol and olanzapine in management of acutely agitated patients in emergency department, Department of Emergency Medicine

111. Efficacy of add-on Ayurveda and Yoga intervention on reproductive and metabolic outcomes in women with PCOS undergoing ovulation induction cycles: A multicentric randomized controlled trial, Department of Obstetrics and Gynaecology

112. Efficacy of co-administration of clomiphene citrate and letrozole to conventional GnRH antagonist protocol in expected poor responders undergoing IVF/ICSI cycles: A Randomized Controlled Trial, Department of Obstetrics and Gynaecology

113. Efficacy of eliglustat monotherapy in ERT-naïve children (6-17 years) with Gaucher Disease type I and type 3: An open-label single-arm phase 3 intervention trial, Department of Pediatrics

114. Efficacy of IV rituximab *versus* oral mycophenolate mofetil in sustaining remission in steroid-resistant nephrotic syndrome maintained on calcineurin inhibitors for more than two years: An open-label randomized controlled trial, Department of Pediatrics

115. Efficacy of montelukast in reducing incidence of warning signs and severe disease in patients with dengue fever: a phase 2, double-blind, placebo-controlled, randomized trial, Department of Medicine

116. Efficacy of pantoprazole vs placebo in mucosal healing and change in endoscopic grading in patients of acute caustic ingestion: a randomized controlled open label study, Department of Emergency Medicine

117. Efficacy of pre-operative trans-catheter embolization of borderline systemic to pulmonary artery collaterals in tetralogy of fallot repair, Department of Onco-Anaethesia

118. Efficacy of repetitive transcranial magnetic stimulation (rTMS) as an adjunct to ai enabled remedial intervention in school going children (aged 6-18 years) having specific learning disorder with dyslexia, Department of Pediatrics

119. Enhancing splenchnic neurolysis with dexmedetomidine: a double-blind randomized controlled trail, Department of Onco-Anaesthesia & Palliative Medicine

120. Enteral feeding practices and their outcomes in advanced aerodigestive malignancies: An ambispective observational study, Department Palliative Medicine

121. Epidemiologic and genetic study of anterior segment developmental corneal opacification in Asian Indian population, Department of Ophthalmology

122. Epidemiological assessment of oral disease burden and oral health related quality of life of geriatric population and service availability and readiness assessment of oral health services in India - An ICMR multi-centric task force, Centre of Dental Education & Research

123. Etiology and outcome of lung cavity in hospitalized patients, Department of Medicine

124. Evaluating the synergy of metformin combined with PD1 blockade in modulating tumor immune microenvironment and metabolism in lung cancer, Department of Pharmacology

125. Evaluating the utility of continuous glucose monitoring system for behavioural modification in high risk women enrolled in early pregnancy for the prevention of gestational diabetes mellitus: A pilot randomized control trial, Department of Endocrinology and Metabolism

126. Evaluation of Artificial neural network for differentiating Iron deficiency anemia and β-thalassemia trait in comparison to the conventional methods, Department of Laboratory Medicine

127. Evaluation of dual dye technique for sentinel lymph node biopsy in breast cancer: two arm open label parallel design non-inferiority randomized controlled trial, Department of Surgical Oncology

128. Evaluation of kit-based loop-mediated isothermal amplification (TB-LAMP) assay in the diagnosis of tubercular lymphadenitis, Department of Medicine

129. Evaluation of maternal and fetal outcomes in women diagnosed with GDM or normoglycemia using IADPSG criteria, among women diagnosed with normoglycemia by DIPSI criteria: Prospective multicentre observational cohort study, Department of Endocrinology & Metabolism

130. Evaluation of maternal and fetal outcomes in women diagnosed with GDM or normoglycemia using IADPSG criteria, among women diagnosed with normoglycemia by DIPSI criteria: Prospective multicentre observational cohort study, Department of Endocrinology and Metabolism, Department of Endocrinology and Metabolism

131. Evaluation of non-invasive adjuncts in OPMDs for early detection of oral cancer and development of risk-based OPMD management protocol in a primary health care setting, Centre for Dental Education & Research

132. Evaluation of novel hematological extended inflammatory parameters (EIP) in the prediction of post injury sepsis in patients at Level 1 Trauma Centre in tertiary care hospital, Department of Laboratory Medicine

133. Evaluation of short term and long-term effects of cochlear implantation on vestibular function, Department of Surgical discipline

134. Evaluation of the effect of prior exposure to laparoscopic surgery on acquisition of robotic surgical skills in a simulated environment, Department of Surgical disciplines

135. Evaluation of the expression, regulation, and clinical relevance of APOBEC3B in non-small cell lung cancer, Dr. B. R. A Institute of Rotary Cancer Hospital

136. Exploring neuroimaging and metabolomic markers associated with opioid dependent subjects on buprenorphine maintenance treatment, Department of NMR

137. Exploring the link between fatty acid metabolism and bioenergetics in paediatric B- cell leukaemia: implications for tumour survival and treatment response, Department of Biochemistry

138. Extracellular matrix remodelling in obesity induced adipose tissue dysfunctions and insulin resistance, Department of Biochemistry

139. Factors affecting treatment outcome in advanced HIV disease, Department of Medicine

140. Factors which predicts risk of ATT (anti-tuberculosis treatment) induced hepatitis in older adults: a single center cohort study, Department of Geriatric Medicine

141. Fertility related quality of life and depressive – anxiety symptoms in infertile couple with male factor infertility – a cross-sectional study, Department of Obstetrics &Gynaecology

142. Frequency and genetic characterization of mycoplasma pneumoniae and Pneumocystis Jerovercii in immunocompromised patients, Department of Microbiology

143. Frequency and risk factors for latent tuberculosis infection among type 2 diabetes mellitus patients, Department of Medicine

144. Genotype phenotype correlation in Indian children with Morquio syndrome, Department of Pediatrics

145. Host and environmental factors in the acute exacerbations of childhood interstitial lung disease, Department of Pediatrics

146. Hypomagnesemia and its correlation with clinical outcomes in admitted sepsis patient, Department of Medicine

147. ICMR's network of pulmonary fibrosis (INPF), Department of Pulmonary, critical Care & Sleep Medicine

148. Identification and characterization of microsporidia in HIV- seropositive patients, Department of Microbiology

149. Identification of biomarkers, development of predictive equations and risk scores for dynapenia/Sarcopenia in obese Indian adults with and without type 2 diabetes mellitus, Department of Medicine

150. Identification of factors predictive for weight loss after Bariatric Surgery: Building a model for improving outcomes and maintaining weight loss, Department of Surgical Disciplines

151. Identification of metabolic biomarkers by using metabolomics and meta-genomics of prostate cancer associated micro-biome to distinguish aggressive prostate cancer, Department of NMR

152. Immune response to COVID-19 vaccination in patients with HIV infection, Department of Medicine

153. Impact of eosinophil-based corticosteroid therapy on treatment success and adverse event in AECOPD: A randomized controlled trial, Department of Pulmonary Medicine, Critical Care & Sleep Medicine

154. Impact of Indian adaptation of mediterranean diet on dietary inflammatory index in patients with coronary artery disease- A randomized clinical trial, Department of Cardiology

155. Impact of intraoperative microbreaks on musculoskeletal symptoms and performance of surgical residents during minimal access surgical tasks in a simulated setting, Department of Surgical disciplines

156. Impact of neo-adjuvant chemotherapy on surgical decision and peri-operative outcomes In patients with very advanced buccal cancer, Department of Otorhinolaryngology

157. Implementation research to enhance screening, early diagnosis and initiation of treatment for oral, breast and cervical cancer in selected districts of India, IRCH

158. Incidence and clinico-microbiological profile of surgical site infections in a surgery ward in a tertiary care hospital, Department of Medicine

159. Incidence and severity of psychosocial and somatic disorders in survivors of childhood solid malignant tumors, Department of Pediatric Surgery

160. Incidence, risk factors and outcomes of hospital acquired pneumonia among older adult patients (> 65 years): a prospective cohort – observational study, Department of Geriatric Medicine

161. Isoniazid mono-resistant pulmonary tuberculosis in India: clinicolaboratory profile and treatment outcomes, Department of Medicine

162. Knowledge, attitude and practice of travel medicine among medicine and ID resident in AIIMS, New Delhi-A Quasi interventional study, Department of Medicine

163. Liquid biopsy guided addition of chemotherapy with TKI in advanced EGFR mutated NSCLC: an open-label, multi-centric, phase 3 randomized controlled trial, Department of Medical Oncology

164. Long COVID and coagulopathy among patient recovered from COVID-19: a prospective observational study, Department of Medicine

165. Long term exposure to air pollution and their correlation with disease severity and outcomes in patient with influenza-like illness and COVID-19 in Indian Population: A prospective multi-center study, Department of Pulmonary Medicine and Sleep Disorder

166. Mapping Patient Goals to the International Classification of Functioning, Disability and Health (ICF): Examing the Validity of Low Back Pain Core Sets Using Roland Morris Disability Questionnaire and Oswestry Disability Index, Department of Physical Medicine and Rehabilitation

167. Melatonin vs placebo in drug resistant Epilepsy, Department of Neurology

168. Midline vs triangular port placement in total extra-peritoneal mesh repair in uncomplicated inguinal hernia: A randomized control trial, Department of Surgical Disciplines

169. Midline Vs triangular port randomized control trial, Department of Surgical Disciplines

170. Minimally invasive tissue sampling for determination of cause of death in critically ill hospitalized patient in North India, Department of Medicine

171. Molecular characterization and antimicrobial resistance profile of Uropathogenic Escherichia coli (UPEC) from patient with UTI in India: A cross-sectional study, Department of Microbiology

172. Multi-analytes lateral flow immune assay for the detection of sepsis and multi-organ dysfunction syndrome in post-trauma patients, Department of Laboratory Medicine, JPN Apex Trauma Center

173. Multimodality imaging of parotid and submandibular glands in Primary Sjogren's syndrome, Department of Radiodiagnosis

174. Neoadjuvant short course radiotherapy in combination with chemotherapy for squamous cell carcinoma of esophagus: a single arm phase 2 pilot study, Department of Surgical Oncology

175. Neurofilament and creatinine as biomarkers in spinal muscular Atrophy: An Observational Study, Department of Pediatrics

176. Neurological outcomes and quality of life following minimally invasive thymectomy in thymomatous and non-thymomatous myasthenia gravis, Department of Surgical disciplines

177. Newborn screening for spinal muscular atrophy - A pilot study, Department of Pediatrics

178. Non inferiority randomized control trial: to evaluate different outcomes of low pressure pneumoperitoneum with deep neuromuscular blockade and compare them with standard pressure pneumoperitoneum in patient undergoing laparoscopic cholecystectomy for gallstone disease, Department of Surgical Disciplines

179. Non-Alcoholic Fatty Liver Disease and Its Sarco-Metabolic Correlates in People Living with Human Immunodeficiency Virus Infection, Department of Medicine

180. Nutritional risk assessment of pregnant women - A community-based study in rural Ballabgarh, Center for Community Medicine

181. Ocimum sanctum extract as adjuvant therapy in persons with drug resistant epilepsy: A double blind, randomized, placebo controlled trial, Department of Pharmacology

182. OPIoid sparing Anesthesia Technique for supratent craniotomy in geriatric patient [OPIATE study]: A randomized open labelled study, Department of Neuro-Aneasthesia

183. Out of pocket expenditure among patient with diabetes mellitus attending a tertiary care hospital in North India; a facility based cross-sectional study, Department of Medicine

184. Patient & Carer Indian Neuropsychological Continuum of Care (PIN-CoC) Model (PIN-CoC), Department of Clinical Neuro-psychology

185. Pattern of care and outcome in triple negative breast cancer- a retrospective study, Department of Surgical disciplines

186. Performance of aspergillus PCR on mini bronchoalveolar lavage fluid for the diagnosis of invasive pulmonary aspergillosis suing BM-ASP ICU criteria: A cross-sectional diagnostic test validation study, Department of Microbiology

187. Plasma Biomarkers by Mass Spectrometry in Sphingolipidoses: Correlation with disease severity and Genotype, Department of Pediatrics

188. Post Sepsis syndrome: A prospective Observational study, Department of Medicine and Microbiology

189. Practices and Outcomes of Prophylactic Anti-Epileptic Use in CNS Tuberculosis Patient: Insights from An Observational Study From Tertiary Care Center, Department of Medicine

190. Predictors of adverse outcomes in treatment of TB, Department of Medicine

191. Prevalence, Incidence and Risk Factors for Latent Tuberculosis Infection (LTBI) among Medical Student and Residents, Department of Medicine

192. Prevalence and Clinical Profile of Caesarean Scar Defect After Caesarean Delivery, Department of Obstetrics & Gynaecology

193. Prevalence and Correlates of Neurological and Neurocognitive Disorders in HIV+ Patient on ART, Department of Medicine

194. Prevalence and Risk Factors for Sarcopenia in Type 1 Diabetes Mellitus: A Case Control Study, Department of Endocrinology & Metabolism

195. Prevalence of anxiety and depression in patient with chronic pancreatitis and its effect of pain and quality of life, Department of Gastroenterology& Human Nutrition

196. Prevalence of dynapenia/sarcopenia and its association with metabolic parameters, body composition and bone mineral density in postmenopausal women: A cross-sectional study, Department of Medicine

197. Prevalence of strongyloides infection among immune compromised patient at a tertiary care hospital, Department of Microbiology

198. Prevalence, Risk Factors and Outcome of Undiagnosed Heart Failure with Preserved Ejection Fraction (HFpEF) Among Patient Admitted with Dyspnea, Department of Medicine

199. Procalcitonin as a biomarker of bacterial sepsis patient with acute kidney injury, Department of Medicine

200. Prospective observational study to assess the quality of life, depression, anxiety and perceived stigma in dermatology inpatient and quality of life of their primary caregivers compared to outpatient, Department of Dermatology & Venereology

201. Prospective study on sentinel lymph node biopsy after neoadjuvant treatment of breast cancer using blue dye alone and retrospective analysis of lymphedema rates after sent lymph node biopsy and ancillary lymph node dissection, Department of Surgical Disciplines

202. Randomized control trial to analyse the effect of intra operative switch on (IOSO) of cochlear implant as compared to delayed switch on of cochlear implant on electrical impedance measurement& auditory skills development in pediatric patient with congenital profound idiopathic non-syndromic SNHL, Department of Otorhinolaryngology & HNS

203. Role of a protocolized pulmonary rehabilitation program in improving performance status and quality of life in patient with end-stage lung disease eligible for lung transplant, Department of Pulmonary, critical care and sleep medicine

204. Role of CSF lactate and chloride in indent the etiology of meningitis, Department of Medicine

205. Role of Demographic Surveillance Sites (DSS) in generation of mortality statistics in India: Situation analysis, feasibility of digital solutions and usefulness in estimation of national mortality statistics, Center for Community Medicine

206. Role of MR Elastography in Non-alcoholic fatty liver disease, Department of Radiodiagnosis & Interventional Radiology

207. Role of multi-parametric ultrasound and dual energy-computed tomography (DECT) to differentiate malignancy from benign gall bladder pathologies, Department of Radiodiagnosis and Interventional Radiology

208. Role of PET brain in PLHIV with cognitive impairment, Department of Nuclear Medicine

209. Role of prophylactic tranexamic acid instillation in reducing the severity of bleeding during endobronchial biopsy: A randomized controlled trial, Department of Pulmonary Medicine, Critical Care & Sleep Medicine

210. Role of residual cancer burden in predicting long term outcomes of breast cancer after neoadjuvant chemotherapy followed by surgery: An ambispective study, Department of Surgical Disciplines

211. Role of T-helper 17 and T-regulatory cells in Gaucher disease with bone involvement: a pilot study, Department of Pediatrics

212. Role of trans arterial radioembolization in metastatic lung lesions, Department of Nuclear Medicine

213. Role of tumor microenvironment in mediating adaptive resistance to venetoclax in acute myeloid leukemia, Department of Medical Oncology

214. Routine Invasive Vs Ischemia Driven Strategy In Patient With ST-Segment-Elevation Myocardial Infarction Present Between 12-72 Hours Of Symptom Onset (LATECOMER TRIAL), Department of Cardiology

215. Should Colorectal Cancer screening be done in Asymptomatic Indians: A Pan-India multicentric study, Department of Gastroenterology& Human Nutrition

216. Sleep quality in patient with diabetes and its correlation with duration of diabetes, glycemic and metabolic control and NAFLD: A cross-sectional study, Department of Endocrinology & Metabolism

217. Smartphone app for management of gestational diabetes mellitus in urban rural settings in India: A randomized controlled trial, Department of Obstetrics and Gynecology

218. Statistical modelling to assess the determinants of HIV risk behavior among the Hijra and Transgender population using Integrated Biological and Behavioral Surveillance Survey 2014-15 in India, Center for Community Medicine

219. Strategic Multimodal Intervention in at-risk Elderly Indians for Prevention of Dementia (SMRUTHI INDIA): A cohort multiple randomized controlled trial (cmRCT), Department of Neurology

220. Strengthening Ambulatory Care for NCD in north India (STAR-NCD): An Implement Research National Health Priority Research, Center for Community Medicine

221. Study of ATT induced liver injury: A hospital based study, Department of Medicine

222. Study of body composition, clinical, metabolic profile of non-obese individuals, Department of Medicine

223. Study of Fibrosis in Cardiovascular Disease: FIBICAR Study, Department of Cardiology

224. Study of Long-term Patient Reported Outcomes of Surgery in Non-Metastatic Breast Cancer Patient: A Cross Sectional Study, Department of Surgical Disciplines

225. Study of osteosarcopenia in obese adults, Department of Medicine

226. Study of prevalence of concomitant transthyretin amyloidosis in elderly patient with severe aortic stenosis by PYP scan, Department of Cardiology

227. Study on the Effect of a Structured Training Program and Micro Breaks on Workload amongst Surgeons during Open Thyroidectomy & Modified Radical Mastectomy: A quasi experiment study, Department of Surgical Disciplines

228. Study on the impact of continuous glucose monitoring system on achievement of glycemic and clinical outcomes in critically ill patient, Department of Medicine

229. Success rate of an adaptive intravenous insulin protocol in patient presenting with unexpected hyperglycemia before 18 F-FDG PET/CT, Department of Nuclear Medicine

230. The Effect of Single Anastomosis Sleeve Jejunal Bypass Vs Sleeve Gastrectomy on Nutritional Deficiency following Bariatric surgery: A Phase II Randomized Controlled Trial, Department of Surgical Disciplines

231. The Psychological Impact of Age-Related Special Sensory Loss on Mental health, Cognition and Quality of Life in Older Adults, Department of Geriatric Medicine

232. The Role of Indocyanine Green Fluorescence Imaging for Intra-operative Assessment of Gastric or Colonic Conduit Perfusion in Oesophageal Cancer Surgeries – A Pilot Study, Department of Surgical Oncology

233. The Role of Puch-Dose Epinephrine in Preventing Cardiovascular Collapse in patient Undergoing Endotracheal Intubation in the Emergency Department: A Randomized Controlled Trail, Department of Emergency Medicine

234. Therapeutic effect of adjunctive 940nm diode laser photobiomodulation with carbamazepine on pain, infrared orofacial thermography and oral health quality of life in Trigeminal Neuralgia: A randomized clinical trial, Department of Oral Medicine & Radiology, CDER

235. Therapeutic potent of extracellular vesicles (EVs) derived from endothelial colony forming cell (ECFC) indirectly primed with mesenchymal stem cell (MSC) in a mouse model of hind limb ischemia, Department of Cardiac Biochemistry

236. To assess the impact of percutaneous transhepatic biliary drainage on the quality of life of patient suffering from carcinoma of the gall bladder, Department of Radio-diagnosis and Interventional Radiology

237. To Assess the Role of CT Prefusion Imaging of the Lungs in Evaluating the Response to Neoadjuvant Therapy in Patient with Locally Advanced Lung Canter, Department of Radio-diagnosisand Interventional Radiology

238. To determine and compare the adjunctive effect of photo biomodulation with 940nm diode laser on maximal interincisal mouth opening versus convent non-invasive management in moderate Oral Submucous Fibrosis-A blinded, multiple-arm, randomized controlled trial, Department of Oral Medicine and Radiology, CDER

239. To Determine the Prevalence and Outcomes of Liver Involvement in Children (1 to 18 years of Age) with Langerhans cell histiocytosis, Department of Pediatrics

240. To develop and evaluate the effectiveness of multidisciplinary education and care model for individuals with diabetes affected with COVID-19: A two-arm parallel randomized control trial, department of endocrinology and metabolism, Department of Endocrinology and Metabolism

241. To Establish an Algorithm for the Management of Axilla in Patient of Early operable breast cancer with clinically negative axilla, Department of Surgical Oncology

242. To Evaluate FAPI-46 As A Potential Theranostic in Soft Tissue Sarcoma using 68Ga-FAPI-46 PET/CT and 177Lu-FAPI-46 Therapy, Department of Nuclear Medicine

243. To evaluate patch test and skin prick test to elucidate the role of allergens in the occurrence of endogenous dermatitis: A prospective cohort study, Department of Dermatology & Venereology

244. To evaluate the benefit of magnetic stimulation of pelvic floor in older females with urinary incontinence - a single center randomized controlled trial, Department of Geriatric Medicine

245. To evaluate the effectiveness of enhanced behavioural intervention and use of technology (Continuous glucose monitoring) for improving pregnancy outcomes in women with type 2 Diabetes mellitus: A three-arm parallel randomized controlled trial, Department of Medicine

246. To Evaluate the Efficacy of Methadone Vs Fentanyl for Neuropathic pain in Head and Neck Malignancies: A Equivalent Randomized Control Trial, Department of Onco-Anaesthesia & Palliative Medicine

247. To evaluate the performance of Shonit (A new Automated Digital Imaging Platform) with respect to conventional microscopy for peripheral blood smear, Department of Laboratory Medicine

248. To evaluate the safety and efficacy of hepatic hilar plexus block in patient undergoing percutaneous trans-hepatic biliary drainage, Department of Radiodiagnosis Interventional Radiology

249. To Evaluate the Use of Combined Hormonal Pill (Ethinyl Estradiol Plus Levonorgestrel) before Hysteroscopic Polypectomics in Reproductive-aged women: A Randomized controlled Trial, Department of Obstetrics and Gynecology

250. To Find the Occurrence of Telangiectasia Around the Knee in Individuals with Osteoarthritis Observational Cross-Sectional Study, Department of PM&R

251. To generate normative data using continuous glucose monitoring system for glycemia in pregnancy at 24 to 32 weeks of gestation in women defined as normal by IADPSG criteria, Department of Endocrinology and Metabolism

252. To study and evaluate the interaction between endothelial progenitor Cells and platelet function in cardiac patient, Department of Laboratory Medicine

253. To study the adjunctive effect of Photobiomodulation Therapy using Diode laser of 940nm wavelength on Clinical, Functional, Molecular characteristics and Oral Health Quality of life in moderate Oral Submucous Fibrosis, Center for D & Research

254. To Study the Association of Nailfold Capillary Density with Disease Activity in Children with Juvenile Dermatomyositis, Department of Pediatrics

255. To study the effect of small bore size chest tube on pain in patient with thoracic trauma: A Randomized Controlled Trial, Department of Trauma Surgery & Critical Care, JPN Apex Trauma Centre

256. To Study the Efficacy and safety of Microwave Ablatio of Benign Thyroid Nodules: A Pilot study, Department of Surgical Disciplines

257. To study the outcomes in patient with cholelithiasis following subtotal Cholecystectomy, Department of Surgical disciplines

258. To study the role of serum proteomics profiles in subjects with metabolic syndrome. Department of Medicine

259. Use of Prophylactic Steroid to Prevent Hypocalcemia In Patient Undergoing Thyroidectomy: Randomized controlled Trial, Department of Otorhinolaryngology

260. Utility of Catheter Tips in the Diagnosis of Catheter-Related Bloodstream Infections at a Tertiary Hospital in North India – A Prospective Study, Department of Microbiology

261. Utility of Pre-Operative Shear Wave Elastography of the Abdominal Wall and Muscles in Detecting Weak Areas near Hernia along with Predicting Successful Repair of V Abdominal Hernia a Prospective Comparative Interventional Study, Department of Surgical Disciplines

262. Utility of Serum Ferritin in Dengue Fever, Department of Medicine

263. Validating Biomarker Panel in Five Different Cohorts to Define and Predict Biological Ageing, Disease Burden and Mortality in Human Subjects- A Pilot Prospective Cohort Study, Department of Geriatric Medicine

264. Validation of "Primary Care Team dynamics survey" tool to measure teamwork in primary healthcare settings in Faridabad and Palwal district, Haryana, Center for Community Medicine

265. Validation of a questionnaire to measure team dynamics in the primary health care centers in Palwal and Faridabad districts of Haryana, Center for Community Medicine

266. Whole Body Magnetic Resonance Imaging in assessment of disease activity and damage in children with Juvenile Idiopathic Arthritis, Department of Radiodiagnosis

267. Whole Exome Sequencing of Hypospadias Patient Family Trios for Ident& Validation of Genetic Markers and Development of a Genetic Panel for Hypospadias Risk Assessment, Department of Pediatric Surgery

268. Young-Onset Lung Cancer: Clinicopathologic and Molecular Profile and Treatment Outcomes, Department of Medical Oncology

Completed

1. A Study on Urinary Biomarkers in PUJO (Pelviureteric Junction Obstruction): Investigating PTGR1 (Prostaglandin Reductase 1), NGAL (Neutrophil Gelatinase-Associated Lipocalin), and KIM-1 (Kidney Injury Molecule-1), Department of Pediatric Surgery
2. Enhancing mental health and substance use literacy among college going students in national capital territory of Delhi, Center for Community Medicine
3. High flow nasal oxygen therapy versus non-invasive ventilation for prevention of reintubation in patients with hypercapnia at extubation– a randomized controlled trial (HYPERHOT NIV trial), Department of Pulmonary, Critical Care and Sleep Medicine
4. Randomized controlled trial comparing intralesional triamcinolone alone versus fractional electrolysis with topical application of triamcinolone acetonide in the treatment of keloids, Department of Dermatology & Venereology
5. To compare the effectiveness of mobile App vs Conventional prescription of analgesics and adjuvants containing AI based educational intervention on compliance, knowledge and satisfaction among advanced cancer patients receiving palliative care at a tertiary care Center – A Randomized control trial, College of Nursing
6. To study the effect of diesel exhaust exposure on male reproduction in the laboratory rat, Department of Physiology
7. To study the effect of intermittent theta burst stimulation (iTBS) repetitive Transcranial magnetic Stimulation (rTMS) in predominantly negative symptoms and cognitive function in person suffering from schizophrenia (> 2 years duration) in a randomized sham controlled double blind trial, Department of Psychiatry

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	2	2	2
Total funding	Rs. 103.4 lakhs	Rs. 103.4 lakhs	Rs. 103.4 lakhs

Publications

Journals: 97 **Abstracts: 05**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	68	86	102
Journal articles	67	79	97
Abstracts	01	05	5
Chapters in books	0	02	0
Books	0	0	0

PATIENT CARE

Not Applicable

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Maroof A Khan was the member of the selection committee in the various institutes of national importance and universities. Editorial board member (biostatistics) of the Indian journal of ophthalmology and international journal of

scientific reports. Scientific reviewer of the Lancet journal, Aligarh journal of statistics, American journal of public health research, journal of obesity, British journal of visual impairment and various journal of BMJ group.

Dr M Kalaivani was DSMB member of ICMR VPM Vaccine trial: A Phase III, Randomized, Double-blind, Three arm Placebo controlled Trial to Evaluate the Efficacy and Safety of two vaccines VPM1002 and Immuvac(Mw) in Preventing Tuberculosis (TB) in Healthy Household Contacts of Newly Diagnosed Sputum Positive Pulmonary TB Patients; Working Committee Member of Clinical Research Unit; Selection Committee Member for project staff; Life member of Indian Society for Medical Statistics; Member of International Society for Clinical Biostatistics, Life member of the Indian Association for the Study of Population and Member of Epidemiological Foundation of India. Editor of Indian Journal of Anesthesia and Scientific Reviewer of Annals of Pediatric Cardiology.

VISITING SCIENTIST: None

9.7 Biotechnology

Additional Professor and Head

Anushree Gupta

Additional Professors

Rupesh Kumar Srivastava

Vikram Saini

Bhupendra Kumar Verma

Associate Professors

Sirish Kumar Ippagunta

Sumit Rathore

Vineet Choudhary

Mahendra Seervi

Assistant Professor

Avtar Singh Meena

Scientist

Shrabani Saugandhika

HIGHLIGHTS

- Department of Biotechnology runs a well-rated Masters in Biotechnology course with specialization in Medical Biotechnology admitting 18 students per batch. The Department also runs a Ph.D. program. The total strength of MSc and Ph.D. students is about 60.
- Faculty members have secured numerous competitive extramural research grants, including the prestigious Welcome Trust-DBT India Alliance Fellowship. Their achievements are recognized nationally through various awards and honors, and they actively contribute as experts on governmental scientific committees. Their prolific research output is reflected in publications across high-impact national and international journals.
- Department has six senior demonstrators who participate in the teaching and research activities of the department.
- The Department takes pride in its Ph.D. scholars' accomplishments, including awards from prominent national and international scientific forums such as KSBMR, FIMSA, ISSRF, IABSCON, and SFRR-India.
- The Department is known for its commitment to biomedical research and continuous efforts of the faculty has established a name for the Department in the areas of Leprosy, TB and Malaria. New fields of research initiated in the Department include Cardiogenomics, Bioinformatics, Osteoimmunology, Virology, Metabolism and bioenergetics of Infectious diseases, Innate immunity, Drug development, Molecular parasitology, Lipid droplet biogenesis, Cell death and its regulation and Molecular cancer therapeutics, Intestinal Biology and Liver Diseases.
- Action plan for the coming year: In the coming year, the Department plans to further advance its research efforts in the aforementioned areas. A key priority will be the development and commercialization of innovative diagnostics and therapeutics for a range of diseases.



1. Dr Anushree Gupta was felicitated on 28th February 2025 by MKM Kanya Mahavidyalaya, Hodal, India
2. Dr Rupesh Srivastava received the AIIMS Research Excellence Award at the 4th Annual Research Day celebration of AIIMS on 30 January 2025.
3. Dr Rupesh Srivastava organized the International Symposium on Bone Health (ISBH-2024) at AIIMS, New Delhi.

4-8 Students received awards at various National Conferences

EDUCATION

Post Graduate Teaching

- The Department conducts 2 years post graduate course in Biotechnology with emphasis on Medical Biotechnology leading to M. Biotech degree. The teaching program covers 16 subjects, namely, Cell and Developmental Biology, Genetics, Human Biochemistry, Medical Microbiology, Immunology & Immunotechnology, Molecular Biology, Infectious Disease Biology, Genetic Engineering & Genome Technology, Biophysics (Principles, Techniques & Applications in Medicine), Bioinformatics, OMICS (Genomics, Transcriptomics, Proteomics & Metabolomics), Biostatistics, Seminars in Laboratory Techniques (Principles & Instrumentation), Medical Biotechnology (Journal Club & Communication Skills), Seminars in Molecular Medicine & Biotechnology and Dissertation in frontier areas of medical research.
- The Department has introduced five new credit courses in the course curriculum of M. Biotechnology namely, Infectious Disease Biology, OMICS: Genomics, Transcriptomics, Proteomics, and Metabolomics, Intellectual Property Rights, Bioethics and Biosafety (IBB), Molecular Diagnostics and Clinical Biochemistry (MDB) and Laboratory course on Medical Microbiology and Infectious Disease Biology".
- Students are given individual attention and extensive hands-on training in Practical classes.
- Experts are invited from PGIMER, JNU, IGIB, ICGEB, NII, IIT, THSTI, RCB, BCIL, TERI, Jamia Hamdard and University of Delhi in addition to AIIMS faculty from various specialties, to deliver seminars in biotechnology, bioinformatics, molecular medicine, genomics, proteomics etc.
- The Department conducts a Ph.D. program in the area of Medical Biotechnology.
- The Department mentors and supports young Scientists having DBT and DST National Post-Doctoral and Young Scientist award.

Year	Number of students registered in the department
2022-2023	50
2023-2024	58
2024-2025	53

CMEs/Workshops/Symposia/National and International Conferences

Lectures delivered: 42

Anushree Gupta: 1 **Rupesh Kumar Srivastava: 9** **Vikram Saini: 11**

Bhupendra Kumar Verma: 6 **Sumit Rathore: 5** **Vineet Choudhary: 9**

Mahendra Seeri: 1

Anushree Gupta

1. Biotechnology and Spirituality: Conflict and Cooperation, National Science Day at MKM Kanya Mahavidyalaya, Hodal, 28 February 2025, Hodal

Rupesh Kumar Srivastava

1. Harnessing the Immunoporotic potential of "Bregs" under Inflammatory bone loss in Osteoporosis: Bench to Bedside!, International Symposium on Advancements in Medical Research and AI Integration, Special Centre for Molecular Medicine (SCMM), 17 April 2024, New Delhi
2. The Landscape of Immunoporosis and Bone Health in post COVID-19 Era, 51st Annual Meeting of the Indian Immunology Society (IMMUNOCON 2024), 17 October 2024, Bangalore
3. A Novel Approach to Combat Inflammatory Bone Loss in Postmenopausal Osteoporosis: Targeting Th9 Cell, 13th Annual Meeting of Indian Society for Bone & Mineral Research (ISBMR), 1 December 2024, Lucknow
4. Landscape of Immunoporosis with Ageing, CME on Bridging Gap between Geriatricians & Surgeons, 2 December 2024, New Delhi
5. Targeting Th9-IL9 axis as a Novel Immunotherapeutic strategy in mitigating inflammatory bone loss in Post-menopausal Osteoporosis, 50th Annual Conference of Association of Clinical Biochemists (ACBICON), 5 December 2024, Chandigarh
6. Targeting Th9-IL9 axis as a Novel Immunotherapeutic strategy in mitigating inflammatory bone loss in Post-menopausal Osteoporosis, 8th Annual Conference of Society for Inflammation Research (SIRCON), 6 and 7 December 2024, Navi, Mumbai
7. Targeting Th9-IL9 axis as a Novel Immunotherapeutic strategy in mitigating inflammatory bone loss in Post-menopausal Osteoporosis, 13th Annual Conference of Indian Academy of Biomedical Sciences (IABSCON), 11 February 2025, Bhopal
8. The Landscape of Immunoporosis and Bone Health in Post-COVID-19 Era, 35th Annual Conference of Indian Society for the Study of Reproduction & Fertility (ISSRF), 16 February 2025, Jaipur
9. Targeting Th9-IL9 axis as a Novel Immunotherapeutic strategy in mitigating inflammatory bone loss in Post-menopausal Osteoporosis, 1st Annual Conference of Indian Society for Precision Medicine & Molecular Medicine (ISPMMCON), 2 March 2025, Gorakhpur

Vikram Saini

1. Targeting redox and bioenergetics health for understanding mycobacterial pathogenesis. AIIMS-CCMB Joint Symposium, 16 and 17 August 2024, New Delhi
2. Affordable and Eco-friendly Biotech Innovations for emergency preparedness: Lessons from COVID19. Awareness Program on One Health, Center for Biotechnology, MDU, Rohtak, 8 October 2024, Rohtak
3. Targeting host and bacterial bioenergetics during microbial infections. AIIMS-IICB Joint Research Symposium, Indian Institute of Chemical Biology, Kolkata, 24 October 2024, Kolkata

4. The role of Dietary Components and Micronutrients in Modulating Susceptibility to Infections. SFFRI International conference on Redox Medicine**,** Bhabha Atomic Research Center, Mumbai, 7 November 2024, Mumbai
5. Innovation amid crisis: Sustainable & Cost-Effective Solutions for Infectious Disease Research. Zoological Society of College awareness program on Microbiology at Swami Shardhanand College, University of Delhi, 11 November 2024, Delhi
6. Affordable and eco-friendly innovations in PPE disinfection and reuse during emergency: Lessons from COVID-19, National CME on One Health (NAMSCOM 2024), AIIMS, Jodhpur, 22 November 2024, Jodhpur
7. Affordable and Sustainable Biotech Innovations for emergency preparedness: Lessons from COVID-19 through a One Health Lens. National, Symposium of Sun Pharma Science Foundation on One Health. BRIC-National Institute of Animal Biotechnology, NIAB, 3 February 2025, Hyderabad
8. Eco-friendly, and Affordable Innovations to address diagnosis and biosafety during emergency: Lessons from COVID-19, 37th CAFT in Veterinary Microbiology entitled as *Emerging trends in Serological, Molecular and Cell Based diagnostics in Veterinary Sciences;* organized by ICAR Center for Advanced Faculty Training [CFAT] for Faculty and Scientists of National Universities and institutes at Lala Lajpat Rai University of Veterinary & Animal Sciences (LUVAS), Hisar, Haryana, February 2025, Hisar
9. From Hypothesis to Therapeutic Insights: Research Methodology Lessons from Hydrogen Sulfide Studies in Tuberculosis, Workshop on Research Methodology for Research scholars of Faculty of Life Sciences and Faculty of Pharmaceutical Sciences at MDU. 17 February 2025, Rohtak
10. Collaborative Surveillance for Pandemic Preparedness & Response, 14th National Conference of Indian Association of Epidemiologists Epidemiology in Public Health for Viksit Bharat by 2047 at NCDC, 7 and 8 March 2025, NCDC, New Delhi
11. Understanding Tuberculosis: Nutritional Influences, Challenges, and Opportunities in Infection Control, World TB Day Awareness Program at Bhaskaracharya College, Delhi University, 24 March 2025, Delhi

Bhupendra Kumar Verma

1. tRNA-derived non-coding RNAome during Dengue Virus Pathogenesis, 12th RNA Group Meeting Organized by IIT Guwahati, Assam, 22 May 2024, Guwahati
2. Molecular Insights into Pathogenesis: A Biodefence Perspective, National conference on "Energizing & Synergizing Academia & Industry for Accelerating Pace of Technology Development in Chem-Bio Defence' Organized by DRDE, Gwalior, MP 21 September 2024, Gwalior
3. Dengue Virus-Host Interactions: Molecular Insights and the Pursuit of Novel Biomarkers, VIROCON-2024: Emerging Viruses: Pandemic & Biosecurity Perspectives. Organized by DRDE, Gwalior, MP 12 November 2024, Gwalior
4. The Road to Academia: My Journey to Becoming an Associate Professor, Seminar series "Distinguished Alumni Series". Organized by Department of Microbiology, Maharshi Dayanand Saraswati University, Ajmer, Rajasthan, 11th January 2025, Ajmer
5. Use of Virus as a model organism in research, Workshop series "Model Organisms in Research" organized by Sri Venkateswara College, University of Delhi, 16 January 2025, New Delhi
6. Dengue Virus-Host Interactions: Unravelling Gene Regulatory Mechanisms and Identifying Novel Avenues for RNA Therapies, The Asia-Pacific Forum on RNA Therapeutics and Vaccines (APFRTV) organized by JNU New Delhi, 24 February 2025, New Delhi

Sumit Rathore

1. What it Takes to Enter -Deciphering *Plasmodium vivax* invasion strategies with help of Proteomics, 5-days Hands on workshop on "Integrated OMICS" covering Genomics, Proteomics and Bioinformatics at National Centre for Biological Sciences (NCBS) Bangalore and Institute of Stem cell Science and Regenerative Medicine (InStem), 7 May 2024, Bangalore, India
2. Role of Tryptophan-Rich Antigens in Plasmodium Vivax Biology, Indo-French workshop on Genomics and Omics Strategies To target Drug resistant malaria parasite" at IAB, Grenoble, France, 25 June 2024-6 July 2024, Grenoble, France.

3. Role of Tryptophan-Rich Antigens in Plasmodium Vivax Biology, 32nd National Parasitology Conference, 3-5 October 2024, Pune, India.
4. *Plasmodium vivax* tryptophan-rich antigen PvTRAg36.6 of PvFam-a family interacts with reticulocyte receptor CD71, 5-days Hands on workshop on "Integrated OMICS" covering Genomics, Proteomics and Bioinformatics at National Centre for Biological Sciences (NCBS), 16 October 2024, Bangalore
5. *Plasmodium vivax* tryptophan-rich antigen PvTRAg36.6 of PvFam-a family interacts with reticulocyte receptor CD71, International Workshop on New Approaches to Discover Vaccine and Drugs for Infectious Diseases at ICGEB, 2–4 December 2024, New Delhi

Vineet Choudhary

1. How cells fatten up: role of lipid droplets, Seminars in Molecular Medicine & Biotechnology, 18 April 2024, New Delhi
2. Biological sample preparation using high-pressure freezing: current state and future prospects, National Workshop on Electron Tomography of Biological Specimens, Electron Microscope Facility, AIIMS, New Delhi, 22-26 April 2024, New Delhi
3. Hands-On: Demonstration of experimental procedure of high-pressure freezing, National Workshop on Electron Tomography of Biological Specimens, Electron Microscope Facility, AIIMS, New Delhi, 22-26 April 2024, New Delhi
4. Seipin luminal domain is dispensable in establishing functional ER sites of lipid droplet biogenesis, Organellar Biology and Membrane Trafficking Meeting, Indian Institute of Science Education and Research (IISER), Pune, Maharashtra, 28 and 29 October 2024, Pune
5. Animal cell culture establishment and functioning, Three-day online workshop on "Model Organisms in Research" Department of Zoology Sri Venkateswara College University of Delhi, 15-17 January 2025, New Delhi
6. Use of Bacteria as a model organism in research (Escherichia coli), Three-day online workshop on "Model Organisms in Research" Department of Zoology Sri Venkateswara College University of Delhi 15-17 January 2025, New Delhi
7. Emerging Trends in Biotechnology Department of Microbiology, Institute of Home Economics, University of Delhi 27 February 2025, New Delhi
8. Biogenesis of lipid droplets from specialized subdomains in the endoplasmic reticulum Regional Young Investigators Meeting 2024-25
9. National Brain Research Centre (NBRC), Manesar & Ashoka University, Sonipat, Haryana, 19-21 March 2025, Sonipat

Mahendra Seervi

1. Nuclear Pore Complex (NPCs) alteration and its potential correlation with cancer aggressiveness, **"**International Conference on Integrative Oncology and Systems Medicine: Emerging Trends and Therapeutic Potential" Sridev Suman Uttarakhand University & AIIMS Rishikesh, 20 and 21 February 2025, Rishikesh

TOTAL NUMBER OF LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
222	28	42

List of oral papers/posters presented: 48

1. Ameer S and Choudhary V**,** To investigate the role of seipin TMDs in the nucleation of lipid droplets**,** 4th Research Day AIIMS, New Delhi Nagar, New Delhi 110029, 29-30 January 2025, New Delhi
2. Bhardwaj A and Srivastava RK**,** Homeostatic balance of Gut-resident Tregs (GTregs) plays a pivotal role in maintaining bone health under post-menopausal osteoporotic conditions**,** 51st Annual Meeting of Indian Immunology Society (IMMUNOCON 2024)**,** 17–20, October 2024, Bangalore
3. Bhardwaj A, Sapra L and Srivastava RK, Gut-resident Tregs (GTregs) play a pivotal role in maintaining Bone Health under Post-menopausal Osteoporotic Conditions, 4th AIIMS Research Day, 30th January 2025, New Delhi

4. Choudhary V, Seipin luminal domain is dispensable in establishing functional ER sites of lipid droplet biogenesis, India Alliance Conclave 2024, DBT/Welcome Trust, 28-30 August 2024, Hyderabad
5. Dandriyal AK and Choudhary V, To determine if composition of fat inside lipid droplets prevents or triggers lipophagy, 4th Research Day AIIMS, New Delhi Nagar, New Delhi 110029, 29 and 30 January 2025, New Delhi
6. Farhat A, Bhardwaj A, Sapra L and Srivastava RK, Delineating the metabolic status of $CD8^+$ T cells in Osteosarcoma, 4th AIIMS Research Day, 30th January 2025, New Delhi
7. Kaur SP, Singh A, Sharma M, Verma A, Yadav S and Srivastava RK, Bacillus Coagulans (BC) ameliorates inflammatory bone loss in glucocorticoid-induced osteoporosis (GIOP), 13th Annual International Conference of Indian Academy of Biomedical Sciences (IABSCON-2023), 11-13 February 2025, Bhopal
8. Kaur SP, Singh A, Sharma M, Verma A, Yadav S and Srivastava RK, Bacillus Coagulans (BC) ameliorates inflammatory bone loss in glucocorticoid-induced osteoporosis (GIOP), 4th AIIMS Research Day, 30 January 2025, New Delhi
9. Khatri A, Chaudhary R, Choudhary V, Seipin luminal domain is dispensable in establishing functional ER sites of lipid droplet biogenesis, All India Cell Biology Conference (AICBC 2024) National Institute of Science Education and Research (NISER), 16-18 December 2024, Bhubaneshwar
10. Khatri A, Chaudhary R, Choudhary V, Seipin luminal domain is dispensable in establishing functional ER sites of lipid droplet biogenesis, 4th Research Day AIIMS, New Delhi Nagar, New Delhi 110029, 29 and 30 January 2025, New Delhi
11. Khatri A, Surabhi, Choudhary V**,** Seipin luminal domain is dispensable in establishing functional ER sites of lipid droplet biogenesis**,** 2nd Organelle Biology and Membrane Trafficking Meeting, Indian Institute of Science Education and Research (IISER), Pune, Maharashtra, 28 and 29 October 2024, Pune
12. Kumar A and Choudhary V, Evolutionary conserved fat storage-inducing transmembrane (FITM2) protein is crucial for lipid droplet biogenesis. 4th Research Day AIIMS, New Delhi, 29 and 30 January 2025, New Delhi
13. Kumar A and Choudhary V, Evolutionary conserved fat storage-transmembrane (FITM2) protein is crucial for lipid droplet biogenesis, Biophysika-2024 Jamia Milia Islamia**,** 22 November 2024, New Delhi
14. Lone A, Shokeen N, Singh A, Singh G, Thakar A, Saini V, Understanding the immunoregulatory role of mitochondria in mucormycosis infection, 4th AIIMS Research Day, 28-30 January 2025, New Delhi
15. Negi K, Rana M, Shokeen N, Soni S, Lone A, Pandey H et al, Redox and platelet dysregulation typifies SARS-CoV-2 recovered individuals. 4th AIIMS Research Day, 28-30 January 2025, New Delhi
16. Negi K, Rana M, Shokeen N, Soni S, Lone A, Saini K, et al**,** Perturbation in redox health and platelet function typifies SARS-CoV-2 recovered individuals. International Conference on "Developments in the science of oxidative stress and redox medicine" [DISCOVER-2024] & 18th Meeting of the society for free radical research India (SFRR-India), 6-9 November 2024**,** Mumbai
17. Negi S, Singh P, Saini K, Rana M and Saini V, Modulation of endogenous Hydrogen Sulfide production as an adaptive mycobacterial strategy to promote survival and pathogenicity. 4th AIIMS Research Day, 28-30 January 2025, New Delhi
18. Rathore S**,** Characterization of Mitochondrial carrier protein in the mitochondria of P falciparum**,** 4th Research Day, AIIMS**,** 28 January 2025. New Delhi
19. Rathore S**,** Plasmodium vivax tryptophan-rich antigen PvTRAg36.6 of PvFam-a family interacts with reticulocyte receptor CD71**,** International Workshop on New Approaches to Discover Vaccines and Drugs for Infectious Diseases, 2–4 December 2024, New Delhi
20. Rathore S**,** Plasmodium vivax tryptophan-rich antigen PvTRAg36.6 of PvFam-a family interacts with reticulocyte receptor CD71**,** 5-day Hands-on workshop on "Integrated OMICS" covering Genomics, Proteomics and Bioinformatics at National Centre for Biological Sciences (NCBS), 16 October 2024**,** Bangalore
21. Rathore S, PvTRAg26.3 (PVX_112660) - Stomatin along with lipid interaction study - new insight of Plasmodium vivax invasion into human reticulocyte/erythrocyte, 4th Research Day, AIIMS, 30 January 2025, New Delhi
22. Rathore S, PvTRAg26.3 (PVX_112660) - Stomatin along with lipid interaction study - new insight of Plasmodium vivax invasion into human reticulocyte/erythrocyte, 9th International Conference on Plasmodium vivax Research India, 12-14 February 2025, Pondicherry

23. Rathore S, Role of PvTRAg36.6 – CD71 interaction in Plasmodium vivax invasion into human reticulocytes", International Workshop on New Approaches to Discover Vaccine and Drugs for Infectious Diseases, 2-4 December 2024, Greater Nodia
24. Rathore S, Role of Tryptophan-rich antigens in Plasmodium vivax biology, Keystone symposia, 30 March-2 April 2025, New Mexico
25. Rathore S, Role of Tryptophan-Rich Antigens in Plasmodium Vivax Biology, Indo-French workshop on Genomics and Omics Strategies To target Drug-resistant malaria parasite", 25 June-6 July 2024, IAB, Grenoble, France.
26. Rathore S, Role of Tryptophan-Rich Antigens in Plasmodium Vivax Biology, 32nd National Parasitology Conference, 3-5 October 2024, Pune
27. Rathore S, What it Takes to Enter -Deciphering Plasmodium vivax invasion strategies with help of Proteomics, 5-days Hands-on workshop on "Integrated OMICS" covering Genomics, Proteomics and Bioinformatics at National Centre for Biological Sciences (NCBS) Bangalore and Institute of Stem cell Science and Regenerative medicine (InStem), 7 May 2024, Bangalore
28. Saini C, Sapra L, Puri P, Chawla R and Srivastava RK, Imbalance of Th17/Treg cell axis correlated with local and systemic Uveitis, 4th AIIMS Research Day, 30 January 2025, New Delhi
29. Saini K, Negi K, Negi S, Purkayastha K, and Saini V, Best poster Award (First Prize) to Ms Kanchan Saini. Selenium supplementation improves redox and mitochondrial health to mitigate tuberculosis infection. International Conference on "Developments in the science of oxidative stress and redox medicine" [DISCOVER-2024] & 18th Meeting of the society for free radical research India (SFRR-India), 6-9 November 2024, Mumbai
30. Saini K, Negi K, Negi S, Purkayastha K, Rajeshwari R, Subramanian A, et al, Selenium supplementation improves redox and mitochondrial health to mitigate tuberculosis infection, 4th AIIMS Research Day, 28-30 January 2025, New Delhi
31. Saini K, Negi K, Negi S, Purkayastha K, Rajeshwari R, Subramanian A, et al, The Role of Diet and Micronutrients in Modulating Susceptibility to Infections, 4th AIIMS Research Day, 28-30 January 2025, New Delhi
32. Seervi M, Elucidating the Role of Aldehyde Dehydrogenase 1A3 (ALDH1A3) in Anastatic Cancer Cells, 4th AIIMS Research Day, 29 and 30 January 2025, New Delhi
33. Seervi M, Mapping Nuclear Pore Complex Architecture to Cancer Aggressiveness, 4th AIIMS Research Day, 29-30 January 2025, New Delhi
34. Seervi M, Nuclear Pore Complex (NPCs) alteration and its potential correlation with cancer aggressiveness, 47th All India Cell Biology Conference and International Symposium 'Cell in Action' at NISER, 16-18 December 2024, Bhubaneshwar
35. Seervi M, Stress granule nucleating factor G3BP1: a key player in the cell recovery from late-stage apoptosis, Recent Advances in Disease Biology & Emerging Therapeutics (RADBET) an international symposium at Banaras Hindu University, 17-19 January 2025, Varanasi
36. Seervi M, Stress granule nucleating factor G3BP1: a key player in the cell recovery from late-stage apoptosis, International Symposium on Mitochondria, Cell Death and Human Diseases: Frontiers in Cancer Research at Convention Center, Jawaharlal Nehru University, 17 and 18 February 2025, New Delhi
37. Seervi M, Stress granule nucleating factor G3BP1: a key player in the cell recovery from late-stage apoptosis, 4th AIIMS Research Day, 29 and 30 January 2025, New Delhi
38. Sharma M and Srivastava RK, A Comparative account of Serum-Derived Extracellular Vesicles (SDEVs) from Healthy & Osteoporotic patients: Implications in Bone Health, 13th Annual International Conference of Indian Academy of Biomedical Sciences (IABSCON-2023), 11-13 February 2025, Bhopal
39. Sharma M and Srivastava RK, Probiotics-derived Extracellular Vesicles (EVs) ameliorate Glucocorticoid-Induced inhibition of Osteoblastogenesis, International Conference on Reproductive Biomedicine: Integrating Basic Biological and Applied Research into Clinical Practice for Human Welfare along with 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14-16 February 2025, Jaipur
40. Shokeen N, Rana M, Lone AS, Singh A, Singh G, Thakar A et al, Mechanistic understanding of regulation of zinc-redox homeostasis in mucormycosis. 4th AIIMS Research Day, 28-30 January 2025, New Delhi
41. Shokeen N, Rana M, Lone AS, Singh A, Singh G, Thakar A et al, Best poster Award (First Prize) to Ms Niti Shokeen. Dysregulation of zinc homeostasis in mucormycosis and impact on cellular redox health. International Conference on "Developments in the science of oxidative stress and redox medicine" [DISCOVER-2024] & 18th meeting of the society for Free Radical Research India (SFRR-India), 6-9 November 2024, Mumbai

42. Singh A, Kaur SP and Srivastava RK, Bacillus coagulans (BC) ameliorates immunopathology of Osteoarthritis, 13th Annual International Conference of Indian Academy of Biomedical Sciences (IABSCON-2023), 11-13 February 2025, Bhopal
43. Singh A, Kaur SP and Srivastava RK, Bacillus coagulans (BC) ameliorates immunopathology of Osteoarthritis, 4th AIIMS Research Day, 30 January 2025, New Delhi
44. Soni S, Negi K, Pandey H and Saini V. Correlation of mitochondrial dynamics with host susceptibility to opportunistic infection. 4th AIIMS Research Day, 28-30 January 2025, New Delhi
45. Srivastava RK**,** Harnessing the immunoporotic potential of Bifidobacterium longum in ameliorating inflammatory bone loss in postmenopausal osteoporosis via targeting "Breg-Treg-Th17" cell axis: Bench-to-Bedside**,** International Congress of Mucosal Immunology (ICMI-2024)**,** 6-10 July 2024**,** Copenhagen, Denmark
46. Verma A, Sharma M, Kaur SP, Singh A and Srivastava RK**,** To study the effect of Chronic stress on Osteoimmune System**,** 4th AIIMS Research Day, 30 January 2025**,** New Delhi
47. Yadav S and Srivastava RK, 7- Keto Lithocholic acid (7-keto LCA, a secondary bile acid mitigates Post-Menopausal Osteoporosis, 4th AIIMS Research Day, 30 January 2025, New Delhi
48. Yadav S and Srivastava RK, Deoxycholic acid (DCA) ameliorates ovariectomy-induced post-menopausal osteoporosis, 13th Annual International Conference of Indian Academy of Biomedical Sciences (IABSCON-2023), 11-13 February 2025, Bhopal

* Best Poster Presentation Award

** Commendation prizes

$ Young Investigator Award.

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	20	49	49

RESEARCH

Funded projects

Ongoing

1. A comparative study to evaluate the effect of first-line therapies in Osteoporotic patients, Dr Rupesh K Srivastava, AIIMS-Interdisciplinary Research Grant, 2 Years, 2023-2025, Rs 20 Lakhs
2. A longitudinal study to assess the incidence of chronic pulmonary aspergillosis in pulmonary tuberculosis patients and identification of Aspergillus immunodiagnostic antigens, Dr Sumit Rathore, All India Institute of Medical Sciences, 2 Years, 2023-25, Rs 10 Lakhs
3. Advancing High Containment Laboratory (HCL) Operations and Maintenance (O&M) Programs to Secure High-Consequence Pathogens in India. Dr Vikram Saini**,** U.S. Department of State's Office of Cooperative Threat Reduction (CTR)**,** 1 Year**,** 2024-2025, Rs 15 Lakhs
4. Center of Excellence and Regional Center for One Health Program, supported by NCDC and Ministry of Health**,** Dr. Vikram Saini**,** NCDC, Ministry of Health and Family welfare**,** 5 Years, 2023-2028, Rs 350.00 Lakhs
5. Comparative evaluation of nuclear pore complex (NPCs) and nucleoporins in untreated versus anastatic cancer cells, Dr Mahendra Seervi, AIIMS, 2 Years, 2023-2025, Rs 10 Lakhs
6. Cytoplasmic stress granules: dynamic regulators of anastasis in cancer cells?, Dr Mahendra Seervi, SERB, 3 Years, 2021-2024 Rs 64 Lakhs
7. Deciphering the functions of the conserved fat storage-inducing transmembrane (FITM2) protein in lipodystrophy and insulin resistance through systems approaches**,** Dr. Vineet Choudhary, Department of Biotechnology (DBT); Bilateral Programme (Indo-Swiss Joint Research Programme (ISJRP), 4 Years, 2021-2025, Rs 250 Lakhs
8. Discovering the anti-inflammatory effects of novel Toll-like receptor signaling inhibitors on rheumatoid arthritis mononuclear cells and synovial fibroblasts: An in vitro study to identify TLR signaling inhibition as future

potential strategy to control inflammation in rheumatoid arthritis, Dr. Sirish Kumar Ippagunta, ICMR, 3 Years, 2022-2025, Rs 81.81 Lakhs

9. Elucidating the Molecular Mechanisms of Host-Pathogen Interactions in Individuals with Tuberculosis and Diabetes Mellitus**,** Dr Vikram Saini**,** AIIMS Intramural**,** 2 Years, 2024-2026, Rs 10 Lakhs
10. Establishment of Intestinal Organoids to Investigate the Crosstalk between Probiotics and Intestinal Cells under Ethanol Exposure, Dr. Avtar Singh Meena, AIIMS Intramural Grant, 2 Years, 2023-2025, Rs 10 Lakhs
11. Examining the Role of the TRPV6 Channel in the Development of Alcohol-Induced Colorectal Cancer, Dr Avtar Singh Meena, SERB, 3 Years, 2023-2026, Rs 50 Lakhs
12. Exploring the Role of Non- Non-Professional Phagocytosis in Liver Cancer Progression, Dr. Avtar Singh Meena, AIIMS-IGIB Grant, 2 Years, 2025-2027, Rs 10 Lakhs
13. Exploring the Transcriptome of Gallbladder Cancer: A Comparative Study of Metastatic and Non-Metastatic Patients Using RNA Sequencing and Organoids, Dr Avtar Singh Meena, AIIMS Interdisciplinary Collaborative Grant, 2 Years, 2025-2027, Rs 10 Lakhs
14. Generation of Molecular Tools for functional Characterization of Silent Genetic Variants of Endothelin Receptor Genes, Dr. Anushree Gupta, AIIMS, 2 Years, 2022-2025, Rs 10 Lakhs
15. Identification of key ligands/ligand complexes on *Plasmodium falciparum* merozoite using Cryo-EM, proteome and immunological approaches-A step towards the development of an efficacious malaria blood stage vaccine, Dr. Sumit Rathore, DBT/Welcome Trust India Alliance's, 5 Years, 2024-2029, Rs 165 Lakhs
16. Investigate the role of fat storage-inducing transmembrane (FITM2) protein in organizing ER subdomains for lipid droplet biogenesis**,** Dr Vineet Choudhary, AIIMS Early Career Intramural Research Grant, 2 Years, 2024-2026, Rs 10 Lakhs
17. Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach, Dr. Rupesh K. Srivastava, ICMR, 3 Years, 2024-2027, Rs 780 Lakhs
18. Investigating the Immunometabolic determinants of protection among mucormycosis patients, Dr. Vikram Saini, AIIMS Interdepartmental Collaborative Projects, 2 Years, 2024-2026, Rs 20 Lakhs
19. Investigating the Molecular Mechanism Underlying Thrombocytopenia during Dengue Virus Infection using K562 Megakaryopoiesis Cell Model, Dr Bhupendra K Verma, AIIMS, 2 Years, 2024-2026, Rs 10 Lakhs
20. Investigation of key splicing events modulated in DENV infection, Dr. Bhupendra K. Verma, DBT, 3.5 Years, 2021-2025, Rs 55.5 Lakhs
21. Mechanistic analysis of tRNA-derived RNA fragments in DENV pathogenesis, Dr Bhupendra K Verma, SERB, 3 Years, 2023-2026, Rs 50 Lakhs
22. Metabolic reprogramming as a novel tool for personalized medicine in Acute lymphoblastic leukemia patients, Dr. Vikram Saini, ICMR, 3 Years, 2025-2028, Rs 359.60 Lakhs
23. Molecular Characterization of 5'UTR Of EDN1 gene containing single +139'A' Insertion Mutation, Dr. Anushree Gupta, ICMR, 3 Years, 2022-2025, Rs 84.51 Lakhs
24. Molecular Mechanisms of Lipid Droplet Biogenesis**,** Dr Vineet Choudhary, DBT/Welcome Trust India Alliance, 5 Years, 2021-2026, Rs 359 Lakhs
25. National Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region, Dr Vikram Saini (PI at AIIMS), DBT, 3 Years, 2021-2025, Rs 57.12 Lakhs
26. Probiotics mediated bioenergetics health modulation as a novel approach to the management of microbial infections, Dr. Vikram Saini, DRDO, 3 Years, 2021-2025, Rs 75.50 Lakhs
27. Quantitative signatures of circulating small non-coding RNAs for diagnosis of pulmonary tuberculosis and latent TB infection, Dr Sumit Rathore, ICMR under small extramural grant scheme, 2 Years, 2025-2027, Rs 98 Lakhs
28. Selenium supplementation as an adjunct therapy against tuberculosis, Dr Vikram Saini, ICMR, 3 Years, 2024-2027, Rs 68.80 Lakhs
29. Single-cell quantitation of mRNA and protein expression of antigenic variation genes and tissue tropism characterization in Plasmodium falciparum. Dr. Sumit Rathore, Ministry of Human Resource and Development, 3 Years, 2023-2026, Rs 40 Lakhs

30. The Role of *Lactiplantibacillus Pentosus* in Mitigating Alcoholic Liver Disease through Modulation of the Gut-Liver Axis. Dr. Avtar Singh Meena, SERB, 2 Years, 2023-2025, Rs 30 Lakhs
31. To establish the therapeutic potential of probiotics and their associated metabolites in mitigating pulmonary and extrapulmonary ARDS under preclinical and clinical conditions, Dr Rupesh K Srivastava, ICMR, 3 Years, 2024-2027, Rs 190 Lakhs
32. To investigate the bone protective potential of selected homeopathic formulations (SHFs) in osteoporotic conditions, Dr Rupesh K Srivastava, CCRH-AYUSH, 3 Years, 2022-2025, Rs 70 Lakhs
33. To investigate the therapeutic potential of probiotics in treatment and management of osteoporosis: "Role of regulatory B cells (Bregs), Dr Rupesh K Srivastava, ICMR, 3 Years, 2023-2026, Rs 73 Lakhs
34. Understanding key regulators of Mitochondrial dynamics and hemeostasis in human malaria parasite *Plasmodium falciparum*", Dr Sumit Rathore, Department of Science and Technology-SERB, 3 Years, 2023-2026, Rs 67 Lakhs
35. Understanding the role of Lipid-Protein interactions during the life cycle of *Plasmodium vivax*, Dr Sumit Rathore, Department of Science and Technology-SERB, 3 Years, 2024-2027, Rs 55 Lakhs

Completed

1. Characterization of immunomodulatory proteins of MIP, Dr Vikram Saini, AIIMS, 2 Years, 2021-2023, Rs 10 Lakhs
2. Characterization of L, D-trans peptidases from Mycobacterium abscessus: An Emerging Opportunist Pathogen, Dr Vikram Saini (Mentor to Dr Namrata Kushwaha Woman Scientist), DHR, 3 Years, 2020-2023, Rs 30.9 Lakhs
3. Decoding the miRNAs-RBPs nexus in DENV pathogenesis, Dr Bhupendra K Verma, AIIMS, 2 Years, 2022-2024, Rs 10 Lakhs
4. Exome sequencing and molecular characeterization in Juvenile nasopharyngeal angiofibroma, Dr Bhupendra K Verma & Dr. Hitesh Verma (ENT, AIIMS, Delhi), AIIMS, 3 Years, 2021-2024, Rs 20 Lakhs
5. Exploring the immunomodulatory activities of novel Toll-like receptor-signaling inhibitors in peripheral blood mononuclear cells from lupus patients: A study to identify TLRs as drug targets for lupus. Dr Sirish Kumar Ippagunta, SERB, 4 Years, 2020-2024, Rs 68.01 Lakhs
6. Host transcriptomic profiling in mildly symptomatic, sick, and sicker COVID-19 patients, Dr Vikram Saini, AIIMS COVID-19, 2 Years, 2021-2023, Rs 10 Lakhs
7. Identifying the bioenergetics mechanisms of dysregulation of immune cells during SARS-CoV-2 infections, Dr Vikram Saini, AIIMS Inter-Departmental, 2 Years, 2021-2023, Rs 20 Lakhs
8. Modulation of host bioenergetics health and redox function via Selenium supplementation as a novel approach to tuberculosis management, Dr Vikram Saini, DST-SERB, 3 Years, 2020-2023, Rs 53.5 Lakhs
9. Role of hydrogen Sulfide in mycobacterial infections, Dr Vikram Saini, DBT, 4 Years, 2020-2023, Rs 59.6 Lakhs
10. To dissect the Immunomodulatory potential of Probiotics in ameliorating acute respiratory distress syndrome (ARDS)**,** Dr Rupesh K Srivastava**,** Unique Biotech, Hyderabad**,** 2 Years, 2022-2024, Rs 10 Lakhs
11. To elucidate the immunomodulatory role of probiotics in modulating bone health in post-menopausal osteoporosis via its effect on ILC3-ILCreg cell axis, Dr Rupesh K Srivastava, DBT, 3 Years, 2021-2024, Rs 82 Lakhs
12. To establish the role of Th9 cells in the pathophysiology of Osteoporosis, Dr Rupesh K Srivastava, AIIMS-Intra Mural Research Grant, 2 Years, 2022-2024, Rs 10 Lakhs

Departmental projects

Ongoing

1. Characterization of immunomodulator proteins of MIP
2. Cloning, expression and characterization of human alpha defension peptides
3. COVID-19 coinfections and metabolic basis of immune response
4. Deciphering the functions of the conserved fat storage-inducing transmembrane (FITM2) protein in the assembly of lipid droplets
5. Decoding miRNA-RBP nexus during Dengue virus pathophysiology

6. Development of antimicrobial clothing to combat hospital acquired infections
7. Development of In-House Diagnostic Assay for Chronic Pulmonary Aspergillosis by Identifying Novel Antigens
8. Elucidating the role of ALDH1A3 in anastatic cancer cells
9. Establishing the Immunoporotic role of "Breg-Treg-Th17" cell axis in Probiotics mediated modulation of Bone Health
10. Establishing the Osteoprotective role of GUT-Associated Metabolites (GAMs) in Bone Pathologies
11. Examination of fatty acid impact on alcohol-induced intestinal barrier dysfunction in vitro.
12. Expression and Functional analysis of Endothelin Receptor genes
13. Functional characterization of ER subdomains engaged in lipid droplet Biogenesis
14. Functional Characterization of Iron Transporting Genes of *Plasmodium falciparum* in Yeast Knockout Lines
15. Functional Characterization of Yeast TAG-synthase Lro1 and its human homolog LCAT in neutral lipid homeostasis
16. Generation and expression of endothelin 'A' gene carrying SNPs observed in Indian patients suffering from Coronary Artery Disease
17. Generation of Molecular Tools for CRISPR mediated knock-in of an 'A' in 5'UTR region of ET-1 gene
18. Identification and functional characterization of tRNA derived RNA fragments in DENV pathogenesis
19. Identification of RNA – Protein Interactome of 5'UTR of endothelin gene
20. Investigate the role of lipid droplet assembly factors in the regulation of lipid droplet biogenesis
21. Molecular basis of severity of mucormycosis infection
22. Nutritional factors, micronutrient supplementation and tuberculosis infection
23. One health approach of combating zoonotic infections
24. Role of intracellular gases in bacterial infections
25. Role of probiotics in immunomodulation and microbial infections
26. Screening of selective 2-phenyl quinazoline derivatives for identification of TLR2 inhibitors
27. Screening of selective 2-phenyl quinazoline derivatives for identification of TLR4 inhibitors
28. Spliceosomal regulation in Dengue pathophysiology
29. To delineate the immunoporotic role of regulatory and effector B-cell axis in the pathophysiology of Osteoporosis
30. To dissect the role of GUT resident Treg-Th17 cell axis in post-menopausal osteoporosis
31. To elucidate the immunomodulatory role of probiotics in modulating bone health in post-menopausal osteoporosis via its effect on ILC3-ILCreg cell axis
32. To investigate the bone protective potential of selected homeopathic formulations (SHFs) in osteoporotic conditions
33. To investigate the Cytotoxic T-Lymphocyte mediated immunotherapeutic potential of Indole-3-Lactic Acid (ILA) on Osteosarcoma
34. Understanding the basis of drug tolerance in mycobacterial infections
35. Understanding the role of stress granules proteins in anastatic cancer cells

Completed

1. Characterization of aldehyde dehydrogenase (ALDH) activity in anastatic cancer cells (2023-24)
2. Characterization of immunomodulator proteins of MIP
3. Characterization of proteins of sulfur metabolism in mycobacterium
4. Deciphering the co-relation between XPO1 and nuclear pore complex number in cancer cells (2023-24)
5. Development of Aptamer Based Assay for detection of *Plasmodium* Infection

6. Dissecting the Immunoporotic role of GUT resident Treg-Th17 cell axis in Post-menopausal Osteoporosis
7. Establishing the Immunoporotic role of "Breg-Treg-Th17" cell axis as a novel Immunotherapeutic strategy in mitigating Inflammatory Bone Loss in Post-menopausal Osteoporosis
8. Functional characterization of yeast triacylglycerol synthesizing enzyme Lro1
9. Generation and expression of endothelin 'A' gene carrying SNPs observed in Indian patients suffering from Coronary Artery Disease
10. Generation of Molecular Tools for CRISPR mediated knock-in of an 'A' in 5'UTR region of ET-1 gene
11. Identification of interacting proteins of *Plasmodium vivax* Tryptophan Rich Antigen 26.3 (PvTRAg26.3) with erythrocyte surface
12. Investigate the consequences of ectopic lipid droplets in cells lacking seipin function
13. Investigation of the protective potential of *Lactobacillus pentosus* in the mitigation of intestinal injury
14. Investigation of transcriptional regulation of MYH9 during DENV pathogenesis : possible role of RUNX1
15. Micro-nutrient supplementation in mycobacterial infections
16. Role of metals in regulation of Hydrogen sulfide production
17. Role of transpeptidase enzymes in M abscessus drug tolerance
18. Role of Zinc in mucormycosis
19. Screening of selective pyrazole derivatives for identification of TLR2 inhibitors
20. Screening of selective pyrazole derivatives for identification of TLR4 inhibitors
21. Spliceosomal regulation in Dengue pathophysiology
22. Subcellular Localization of Mitochondrial Carrier Protein of *Plasmodium falciparum*.
23. Sulfur metabolism for mycobacterial drug targeting
24. Surface Proteomics of reticulocytes in *Plasmodium vivax* severe malaria patients
25. To characterize the role of Spo7 in neutral lipid homeostasis
26. To decipher the mechanistic role of i-tRF Lys CTT and 3'tRF Glu-TTC during Dengue virus replication
27. To delineate the immunoporotic role of regulatory and effector B-cell axis in the pathophysiology of Osteoporosis
28. To delineate the metabolic status of $CD8^+$ T cells in Osteosarcoma
29. To determine if composition of fat inside lipid droplets prevents or triggers lipophagy
30. To investigate protein targeting onto ectopic lipid droplets in seipin mutants
31. To investigate the Cytotoxic T T-Lymphocyte mediated immunotherapeutic potential of Indole-3-Lactic Acid (ILA) on Osteosarcoma
32. To investigate the role of Fat Storage-Inducing Transmembrane protein (FITM2) in lipid metabolism
33. To investigate the role of seipin TMDs in the nucleation of lipid droplets
34. To study the effect of chronic stress on Osteoimmune system

Collaborative projects

Ongoing

1. A comparative study to evaluate the effect of first-line therapies in Osteoporotic patients, Department of Orthopaedics, AIIMS, New Delhi
2. Adaptive Immune Responses to Covaxin and Covishield: A comparative study, Department of Biochemistry, AIIMS, New Delhi
3. Antisense oligo mediated therapies in Ataxia Talengiectasia, Paediatrics, AIIMS Delhi
4. Correlation between TRAP 5b and bone involvement in children and adolescents with Gaucher disease, Department of Pediatrics, AIIMS, New Delhi

5. Deciphering the functions of the conserved fat storage-inducing transmembrane (FITM2) protein in lipodystrophy and insulin resistance through systems approaches, Department of Biology, University of Fribourg, Fribourg, Switzerland.
6. Dengue pathogenesis & host spliceosome, THSTI
7. Exome sequencing and molecular characeterization in Juvenile nasopharyngeal angiofibroma, ENT, AIIMS Delhi
8. Exploring the Transcriptome of Gallbladder Cancer: A Comparative Study of Metastatic and Non-Metastatic Patients Using RNA Sequencing and Organoids, Department of GI Surgery
9. Identification of key ligands/ligand complexes on *Plasmodium falciparum* merozoite using Cryo-EM, proteome and immunological approaches step towards the development of an efficacious malaria blood-stage vaccine, AIIMS, ICGEB New Delhi, IIT Delhi, and University of California Los Angeles, USA
10. Investigate the Immunoporotic role of Bisphosphonates in treating postmenopausal osteoporosis, Department of Orthopaedics, AIIMS, New Delhi
11. Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach, Department of Orthopaedics, AIIMS, New Delhi
12. Mapping of air microbiome for virulence genes and resistome at various sites of the hospital through metagenomics approach, AIIMS Biotechnology, Hospital Administration and Delhi University
13. Molecular severity of Mucormycosis and mechanisms thereof, AIIMS ENT, Microbiology and Biotechnology
14. Role of T helper 17 and T regulatory cells in Gaucher disease with bone involvement: A pilot study, Department of Genetics, AIIMS, New Delhi
15. Single-cell quantitation of mRNA and protein expression of antigenic variation genes and tissue tropism characterization in *Plasmodium falciparum*. AIIMS New Delhi, IISER Pune, India
16. To delineate the immunoporotic role of ILCs in the pathophysiology of Osteoporosis, Department of Gastroenterology, AIIMS, New Delhi
17. To delineate the metabolic status of natural killer (NK) cells in Osteosarcoma, Department of Orthopaedics, AIIMS, New Delhi
18. To dissect the role of Treg-Breg-Th17-Th9 cell axis in chronic stress-induced bone loss, Department of Psychiatry, AIIMS, New Delhi
19. To establish the therapeutic potential of probiotics and their associated metabolites in mitigating pulmonary and extrapulmonary ARDS under preclinical and clinical conditions, Department of Pulmonary, Critical Care and Sleep Medicine, AIIMS, New Delhi Department of Medicine, AIIMS, New Delhi
20. To study the effect of chronic stress on Osteoimmune system, Department of Psychiatry, AIIMS, New Delhi
21. To study the role of iPSC derived hematopoietic progenitor cells for hematopoietic failure among trauma Hemorrhagic shock using animal model. AIIMS Emergency Medicine and AIIMS Biotechnology

Completed

1. Clinical significance of cancer stem cells markers and its proteins in different grades astrocytomas, AIIMS Biotechnology and RP Center, AIIMS
2. Elucidation of cellular mechanisms involving regulatory T cells (Tregs) in probiotics-mediated inhibition of Osteoporosis, Department of Gastroenterology, AIIMS, New Delhi
3. Evaluation of endothelin and retinal renin angiotensin system (RRAS) in glaucoma, Department Of Ocular Pharmacology, Dr R.P. Centre for Ophthalmic Sciences, A.I.I.M.S. New Delhi
4. Exploring the Tryptophan metabolism via Kynurenine pathway and their correlation with clinical outcome in Keratoconus and Fuch's endothelial corneal dystrophy patients undergoing corneal transplantation, AIIMS Biotechnology and RP Center, AIIMS
5. miRNA as evaluation Biomarker for tuberculosis treatment response, ICGEB New Delhi, and InStem Bangalore
6. To delineate the metabolic status of $CD8^+$ T cells in Osteosarcoma, Department of Orthopaedics, AIIMS, New Delhi

7. To investigate the Cytotoxic T-lymphocyte mediated immunotherapeutic potential of Indole-3-lactic acid on Osteosarcoma, Department of Orthopaedics, AIIMS, New Delhi
8. To investigate the therapeutic potential of extracellular vesicles (EV) released by human induced pluripotent stem cell (hiPSC)-derived mesenchymal stem cells (iMSCs) to counteract oestrogen deficiency-induced bone deterioration, Institute for Women's Health, University College London, London

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	30	31	35
Total funding (INR)	1766.25	2306.25	3618.84

Publications:

Journals: 28 **Abstracts:05** **Chapters in Book:02**

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**43**	**24**	**35**
Journal articles	32	17	28
Abstracts	08	5	05
Chapters in books	3	02	02
Books	0	0	0

PATIENT CARE: Not applicable

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Anushree Gupta was honored as the Guest of Honour at MKM Kanya Mahavidyalaya, Hodal, on National Science Day, 28 February 2025. She provided technical guidance for the initiation of the Department of Biotechnology at VMMC & Safdarjung Hospital, New Delhi. She also served as a Subject Expert for the Medical Biotechnology faculty interviews held on 5 July 2024 at AIIMS, Nagpur. Additionally, Dr. Gupta served as the Patron of the 1st International Symposium on Bone Health (ISBH-2024), held on 9 November 2024 at AIIMS, New Delhi. She has held key institutional roles, including serving as the Central Public Information Officer for the Department of Biotechnology and as a member of the Institute Ethics Committee for PG Research (Basic Sciences) at AIIMS, New Delhi. She coordinated the Bioinformatics course module for M. Biotech. students and acted as the Internal Examiner for their final examinations.

Dr Rupesh Kumar Srivastava is a bone immunobiologist focused on uncovering the extensive role of the immune system in the development and pathophysiology of osteoporosis, which has led him to propose a new field of biology termed "Immunoporosis." His TIOIL Lab has recently been designated as an ICMR-Collaborating Centre of Excellence on Bone Health. He successfully organized the First International Symposium on Bone Health (ISBH-2024) on 9 November 2024 at AIIMS, New Delhi. He also served as a Reviewer for Abstracts for the 19th International Congress of Immunology (IUIS 2025) to be held in Vienna, Austria. Dr Srivastava is the recipient of several prestigious awards, including: AIIMS Research Excellence Award (2nd Prize) at the 4th AIIMS Research Day; ESCEO–Islene Araujo de Carvalho Prize at the World Congress on Osteoporosis (WCO-2025), Rome, Italy; Best Oral Presentation Award at the ISBMR Annual Conference held at PGIMER, Lucknow, from 30 November to 1 December 2024.

Dr Vikram Saini is a recognized expert in infectious disease biology, biosafety, and biosecurity, with a special emphasis on One Health and mycobacterial infections. Dr Saini serves as the regional Co-ordinator for the NCDC supported Center of One Health at AIIMS New Delhi, and an expert member and consultant for the National Biodefense Programme, Department of Defense, Govt of India; Expert Technical Advisory Committee, Director General of Health (DGHS) to set up Network of High containment Biosafety Level-3 (BSL-3) facilities in Various states of India under National Centre for Disease Control (NCDC), Govt. of India; and National Institute of Biologicals, Ministry of Health, and technical evaluation of development of the priority-pathogen containment facilities, for DRDO, India. In addition, Dr Saini also serves in the aacademic Council of Defense Institute of Physiology & Allied Sciences (DIPAS), New Delhi and the Under Graduate Board of Studies in Bio-technology Maharishi Dayanand University, Rohtak (Haryana). Dr. Saini also serves as the nominee of the Committee

for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Department of Animal Husbandry and Dairying, GOI; and a principal investigator (at AIIMS) in National Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region. Additionally, Dr Saini is involved in several initiatives at AIIMS including being the principal investigator in the CRA between AIIMS-IIT start up for development of medicated and anti-microbial clothing's in India as per the Govt of India's Make in India Policy. Further, Dr Saini is member/special invitee to various institutional bodies/committees including Institutional Biosafety Committee (IBSC), Institutional Animal Ethics Committee (IAEC), Committee for nude-mice/Transgenic mice facility; member CCRF- BSL-3 laboratory, AIIMS; and Member-Secretary for establishment of A-BSL3 facility at Central Animal Facility, AIIMS. Dr Saini also serves as the examiner/evaluator for Ph. D degree (JNU, New Delhi), and various examination conducted by National Testing Agency, Ministry of Education, Govt of India for All India Entrance examination in different areas including UGC NET, DBT JRF, NEET UG examination and Masters examination in various subjects including Biotechnology, Public Health and Social Medicine. In addition, Dr. Saini serves as the review editor at journal Frontiers in Microbiology, Frontiers in Immunology, Frontiers in Redox Biology and Physiology and reviewer for various journals and funding agencies DBT, DST-SERB, Swiss National Science Foundation (SNF), etc. Served as: Resource Person and Session Chair at NAMSCOM-2024 in the special CME program On One Health with the theme "One-Health: Let us collaborate to Take Care of our Health" 64th Annual Conference of the National Academy of Medical Sciences (India), AIIMS Jodhpur, Rajasthan (Nov 22-24, 2024); Session Chair at the SFRRI International conference on Redox Medicine, 6-9 November BARC, Mumbai.

Dr Bhupendra Kumar Verma was awarded the *Excellence in Basic Sciences Award* for his publication titled "Synergistic Correlation between Host Angiogenin and Dengue Virus Replication" at the 4th AIIMS Annual Research Day, held on 29 and 30 January 2025, at AIIMS, New Delhi. He is also a lifetime member of the Indian Virological Society (IVS), India (Registration ID: 738, 2024), and a member of RNA India and Biogroup India.

Dr Vineet Choudhary is a recipient of the prestigious Welcome Trust/DBT India Alliance Intermediate Fellowship Grant. This is the first time someone from AIIMS, New Delhi has been awarded such a prestigious Grant in the field of Basic Biomedical Research. He is participating at the departmental level as Course Coordinator for Biophysics: Principles Techniques and Applications in Medicine (BPT), and Cell & Developmental Biology (CDB). He participated as an invited member of Selection Committee Meeting of **Indo-U.S. Science and Technology Forum (IUSSTF), a flagship program of Department of Biotechnology (DBT),** Government of India. He was invited to be a member of the Selection Committee Meeting of DBT-Research Associate (RA) Fellowship program. Dr. Choudhary serves as a reviewer for various national and international scientific journals. He is a member of American Society for Cell Biology and American Society for Biochemistry and Molecular Biology. He was an invited speaker at Organellar Biology and Membrane Trafficking Conference held at Indian Institute of Science Education and Research (IISER), Pune, Maharashtra. Dr. Choudhary delivered an invited talk at Department of Microbiology, Institute of Home Economics, University of Delhi. Dr. Choudhary gave an invited lecture at Regional Young Investigators Meeting 2024-25 National Brain Research Centre (NBRC), Manesar & Ashoka University, Sonipat, Haryana. He delivered a talk on the topic of High-Pressure Freezing at the 3rd National Workshop on "Electron Tomography of Biological Samples" conducted by Electron Microscope Facility, AIIMS, New Delhi.

5. VISITING SCIENTISTS: Nil

9.8 Centre for Community Medicine

Professor and Head

Kiran Goswami

Professors

Anand Krishnan	Baridalyne Nongkynrih	Puneet Misra
Sanjay Kumar Rai	Kapil Yadav	Sumit Malhotra
YS Kusuma Kumari	Ravneet Kaur	

Additional Professors

Harshal Ramesh Salve	Rakesh Kumar	Partha Haldar

Associate Professor

Mohan Lal Bairwa

Assistant Professor

Manya Prasad

HIGHLIGHTS

The Centre for Community Medicine (CCM) focuses on development of a model of community-based comprehensive health services through its urban and rural health programmes. The Urban Health Programme operates through an Urban Health Center at Dakshinpuri Extension, an urban resettlement colony in New Delhi. The Comprehensive Rural Health Services Project (CRHSP), located at Ballabgarh in District Faridabad of Haryana is a collaborative project between Haryana State Government and the AIIMS, New Delhi. The Mission of CRHSP Ballabgarh is to achieve excellence in public health by undertaking teaching, research and patient care in a rural setting. It comprises of a Sub-District Hospital (SDH), two Primary Health Centres (PHCs) at Dayalpur and Chhainsa, and a network of 12 sub-centres. The Intensive Field Practice area of CRHSP covered a total population of 1,05,163 as of 31 March 2025. The CCM provided technical support to national health programmes of ministry of health, Government of India through the National Centre of Excellence and Advanced Research on Anemia Control, WHO Collaborating Centre for capacity development and research in community-based NCD prevention and control, National Institute for HIV Sentinel Surveillance, Viral Hepatitis Control Programme, Innovation and Learning Centre for implementation of Comprehensive Primary Health Care, Cause of Death in India through SRS-based verbal autopsy, and Centre of Excellence for Air Pollution and Health. The department the 5th IAPSM Young Leaders National Conclave in November 2024.

EDUCATION

The academics in the department makes use of both online and offline teaching, as to make the resources more accessible and student friendly - SARAL and skill training. The undergraduate research programme, as a part community medicine training, again resumed back to physical mode based on field exercise. Postgraduate classes, seminars, and journal clubs stared completely in physical mode. There are skill based modules, available online, which are followed by hands-on skill training so as to make the training more effective.

1. Undergraduate MBBS students

In their 4th-5th semester, MBBS students are posted in the Urban Health Programme for five weeks by rotation where they conduct epidemiological exercise, health talks and family studies. During these two semesters, they also participate in the Family Health Advisory Services (FHAS) in which they follow-up allotted families over a period of nine months and assess effectiveness of interventions implemented by them.

MBBS students of the 7th semester, of All India institute of Medical Sciences, New Delhi, are posted at CRHSP Ballabgarh, in 5 batches for 6 weeks each. During this posting, students learn concepts of epidemiology through practice of exercises,

have orientation to community health including social determinants of health, community aspects of maternal and child health and mental health, orientation of health systems functioning at community level, and national health programmes.

There are special modules to train on Integrated Management of Neonatal and Childhood Illness (IMNCI) and epidemiology. The students also undertake a brief qualitative method-based research project known as Orientation of Undergraduates to Community Health (OUCH) during this posting. Each posting of six weeks is concluded by an internal assessment. Two skill modules namely, Glucometer use, and Glowing and gowning were covered during residential posting at CRHSP Ballabgarh.

2. Interns

The interns are posted for a total duration of three months at the CRHSP Ballabgarh. This period is divided into 6 weeks at SDH, and 3 weeks at each of the PHCs located at Dayalpur and Chhainsa. The entire posting is residential. At SDH, interns are posted in OPD and Wards that help them in learning basic clinical skills, as well as in-patient management, including conducting normal deliveries. They are rotated in all the available clinical disciplines at SDH under the supervision of Senior Residents (SR). During PHC posting, interns participate in health care delivery at the clinics of PHC, sub-centres, extension clinics at other villages. They are also posted at the delivery hut at each PHC under supervision of SR of Community Medicine. They get first-hand experience in community level activities such as supervision of health workers, follow-up of patients that have defaulted on anti-tuberculosis treatment, supervision of sub-centres, undertaking outreach activities, immunization, and other ongoing activities at the PHC. Interns are also involved in special activities at PHCs such as Kayakalp assessment, annual census, public awareness generation and school health related activities. At the end of the rural posting at CRHSP Ballabgarh, interns submit their log-book duly signed by respective SRs under whom they were posted for end posting assessment.

3. Postgraduate students of Community Medicine

The postgraduate students of Community Medicine are posted at urban and rural health programme for 18 months each. The postgraduate students of Community Medicine are posted at CRHSP Ballabgarh for 18 months. This posting is residential. Out of the total duration, they spend 5 months and 10 days each, at the sub-district hospital and both PHCs on a rotation. This gives them adequate opportunity to gain the necessary skills and experiences both at the SDH and PHC. They are encouraged to take active participation in decision making and administration at the PHC. The teaching programme includes seminars, family and clinical case presentations, operational research and problem-solving exercises based on Health Management Information System and field data. Residents also participated in various activities conducted at the PHCs and in the villages under various National health Programme.

4. BSc (Hons.) and Post basic Nursing Students

BSc (Hons.) and post basic nursing students are posted for one and half months at CRHSP Ballabgarh. This posting is residential in nature. They spend 1 month at SDH and 2 weeks in either of the 2 PHCs. They are provided training in antenatal care, management of ward, and immunization. They are posted both in OPD and in ward. They provide health talks, and IEC in OPD, and ward. Training of nursing students is supervised by a Faculty Member from the College of Nursing, AIIMS, New Delhi.

5. In-service Training

In addition to teaching of students, periodic in-service trainings was conducted for different cadres of staff working at the CRHSP Ballabgarh. The trainings conducted during 2023-24 were as following:

- A total of 50 hours of in-service training for Health Workers and ASHA workers (45*2=90) were conducted at PHC Dayalpur and Chhainsa (figures are inclusive). These are conducted during the meetings, each month. Topics were decided based on the training needs identified during field supervision; for the reporting period, these were as following: identification of JSY beneficiaries and facilitating them to avail benefit, management of animal bite cases, management of LBW babies, family planning - methods, importance and how to improve coverage, management of biomedical waste management, Tracking of High Risk Pregnancy and management, post-natal care for mother and newborn including complication management and kangaroo mother care, IMNCI-Identification and management of sick baby, identification, care and management of malnutrition at field level, Training on cold chain management PHC to immunization site and back to PHC, Diagnosis and management of TB cases.

CMES/WORKSHOPS/SYMPOSIA/NATIONAL AND INTERNATIONAL CONFERENCES

1. 5th IAPSM Young Leaders' National Conclave at AIIMS, New Delhi, 8–11 November 2024
2. AIIMS Public Lecture on "Air Pollution and Health Impacts – What" "Air pollution and Health Impacts: What we know and What we need to do?" on 10 September 2024 at AIIMS, New Delhi.

3. Webinar on "Community engagement for air quality management- Approaches and Lessons learned" under CAPHER India Webinar series- 7 March 2025
4. Workshop under CAPHER India on "Scientific Research Proposal Development on Air Pollution and Health" for early career researchers in collaboration with IASTA at Doon University– 16 December 2024
5. Webinar on "Impact of Air Pollution on Early Childhood Development" under CAPHER India Webinar Series - 24 July 2024
6. Webinar on "Impact of Heat on health amidst higher Air Pollution exposure -current evidences and cues for action" under CAPHER India Webinar series- 8 May 2024
7. CAPHER India Journal Club Series (Virtual) for early career researchers discussing scientific evidence with respect to air pollution epidemiology – First Journal club on "Exposure to Particulate matter and incident hypertension"- 7 February 2025
8. Workshop on "Research Methodology – Approaches and quality assessment of Systematic Reviews" at NMOCON – 2025 - 2nd March 2025, Udaipur, Rajasthan
9. Expert Consultation for Finalizing Health Adaptation Plan for Air Pollution-related illness under Centre for Excellence on Air Pollution and Health at AIIMS, New Delhi, 19 March 2025
10. Training of Early career researchers in Air Pollution and Health in collaboration with Health Effects Institute, Kathmandu, Nepal– 12-14 August 2024
11. "National Pre-Surveillance Workshop" for Regional Institutes, State AIDS Control Societies (SACS), Central Team Members (CTM), and officials of state AIDS Control Societies of all 37 States and union territories of India from 23rd - 27th September 2024 for the 19th round of HIV Sentinel Surveillance (HSS-2025) at Hotel the Muse Sarovar Portico, Kapashera, New Delhi.
12. "Pre-Surveillance Orientation and Planning Workshop for ANC, Prison, and HRGs HIV Sentinel Surveillance 2025 (HSS 2025)" for faculty members of various medical institutions, and officials of state AIDS Control Societies of five northern states (Bihar, Jharkhand, Delhi, UP, and Uttarakhand) at The Executive Club resort, New Delhi, 11-12 November 2024.
13. Public Lecture and Panel Discussion on High Blood Pressure – 24 May 2024
14. Workshop for enhancing mental health literacy among young adults at Jawaharlal Nehru University, New Delhi, 21-26 October 2024.
15. Workshop on Systematic Review and Meta-Analysis for Faculty, MAMC Medical College, New Delhi, 8 and 9 April 2024.

LECTURES DELIVERED: 145

Kiran Goswami: 5	**Anand Krishnan: 13**	**Puneet Misra: 3**
Sanjay Kumar Rai: 4	**Kapil Yadav: 5**	**Sumit Malhotra: 33**
Ravneet Kaur: 14	**Harshal Ramesh Salve: 31**	**Rakesh Kumar: 4**
Partha Haldar: 16	**Mohan Lal Bairwa: 13**	**Manya Prasad: 4**

Kiran Goswami

1. Epidemiology: concept and approaches, PGDM - Health & Family Welfare Management 8-12 July 2024, NIHFW, 9 July 2024, Delhi
2. When and how to use qualitative research? Designing a qualitative study · Designing mixed methodology research. Use in implementation research**,** Qualitative Research Methodology Workshop Phase 1, National Institute of Health and Family Welfare**,** 5 November 2024**,** Delhi
3. Health, Social Justice and Human Rights, Short-term Internship Programme, NHRC, 21 November 2024, Delhi
4. Health and human rights: Ensuring equitable access to health care, Short-term Internship Programme NHRC, 23 December 2024, Delhi
5. Evolution of the Healthcare Policy Framework in India, Short-term Internship Programme NHRC, 3 February 2025, Delhi

Anand Krishnan

1. Strengthening Mortality Surveillance in HDSS sites, Indian HDSS Network Annual Meeting- 2024, 16-17 September 2024, Faridabad
2. Causes of Death in India from Sample Registration System, Child and Adolescent Causes of Death Estimation (CA-CODE) Meeting, October 10-11, 2024,
3. Strengthening Mortality Surveillance in India – opportunities and challenges, Guest Lecture at University of New South Wales, 25 October 2024, Barcelona
4. Challenges witnessed during public health interventions during COVID-19 and their minimization, Strengthening India's Health Preparedness Roundtable Conference Observer Research Foundation, 26 November 2024, Delhi
5. Different types of case-control studies including Nested case-control studies, Workshop on Case-Control Studies-Design, Methods and Analysis (2024) by Clinical Epidemiology Unit, AIIMS, 21 January 2025, New Delhi
6. Biases in Case-Control Studies, Workshop on Case-Control Studies - Design, methods and analysis (2024) by Clinical Epidemiology Unit AIIMS ND, 28 January 2025, New Delhi
7. Burden of cardiometabolic disease in women - Differential exposures, vulnerabilities and consequences, Symposium on Women's Health on "Caring for Your Cardiometabolic Health, 1 February 2024, AIIMS New Delhi
8. Health and Hospital Information Systems for Managers, MBA in Health Care and Hospital Management in IGNOU, 2 February 2025, Delhi - Live Interactive Teleconference
9. Discussion: Public engagement in controlled human infection studies - Moderator, Physician's Conclave for Controlled Human Infection Studies at THSTI, 15 February 2025, Faridabad
10. Determinants and risk Factors for Noncommunicable Diseases, 10th edition of the Joint PGIMER-AIIMS International Course on Public Health approaches to NCDs, 2 March 2025, Chandigarh
11. Policy Instruments for Multisectoral Action for Prevention and Control of NCDs, 10th edition of the Joint PGIMER-AIIMS International Course on Public Health approaches to NCDs, 3 March 2025, Chandigarh
12. Budget Impact Analysis, MBA in Health Care and Hospital Management in IGNOU, 5 March 2025, Delhi - Live Interactive Teleconference
13. 'Cost-effectiveness of influenza vaccines in priority groups: current evidence and policy implications, 69th National Annual Conference of Indian Public Health Association (IPHA), 22 March 2025, KAHER & JNMC, Belagavi

Puneet Misra

1. Yoga and Diabetes, AAPNA Conference, 1-3 May 2024, Pennsylvania, USA
2. Community-Based Yoga Program for Diabetes, 65th Yoga, Ayurveda and Energy Medicine conference- by AAPNA, 1-3 February 2025, Bangkok, Thailand
3. Yoga and Diabetes, National Diabetes Day at India Habitat Center, 14 November 2024, Delhi

Sanjay K Rai

1. Preparing for a Future Pandemic by Extracting Experience from COVID-19, Kashmir Science Vision-2024, 23 August 2024, Jammu and Kashmir
2. Review of Operational Guidelines for HIV Sentinel Surveillance (HSS-2025) in India, Pre-Surveillance Consultation, Planning, and Review Meeting, 23-27 September 2024, New Delhi
3. Prevention of GI Cancers, World Vegetarian Awareness Day Celebration- 2024, 6 October 2024, New Delhi
4. Key Finding & Learning from HSS 2023: An Overview, National Pre-Surveillance Workshop of RIs and SACS, 11-12 November 2025, New Delhi

Kapil Yadav

1. Engagement of academic institutions in Public Health Programs: Lessons from India's Anaemia Control Program, World Public Health Nutrition Congress 2024, 10-13 June 2024, London

2. ANAEMIA - AN UNTAPPED EPIDEMIC, Gut Microbiome and Millets: The Inflammation Fix, 6 July 2024, Delhi
3. Anaemia: Are we missing something? Or we need to do more of the same!, National conference on Nutrition and Health, 1 October 2024, Mangalagiri, Adhara Pradesh
4. Guidance on the use of IV Iron among pregnant women, State-level training on Strengthening Maternal Health and Nutrition Services, 23-24 October 2024, Jharkhand
5. Strategies for Anaemia Prevention for Women in India, Linkages between Heavy Menstrual Bleeding and Anaemia among Women of Reproductive Age, 27 February 2025, Delhi

Dr. Sumit Malhotra

1. Importance of electronic data capture in clinical research, Workshop on Research data capture using Red Cap, 9 April 2024**,** New Delhi
2. Getting started for systematic review, Workshop on systematic reviews and meta-analysis, 18 April 2024, New Delhi
3. Understanding PRISMA, Workshop on systematic reviews and meta-analysis, 19 April 2024, New Delhi
4. Introduction to cochrane reviews, Cochrane reviews, 7 May 2024, New Delhi
5. Standards for Cochrane reviews, Cochrane reviews, 9 May 2024, New Delhi
6. Introduction to High Blood Pressure, Public Lecture and Panel Discussion on Hypertension, 24 May 2024, New Delhi
7. Facility Assessment Tools, StAr NCD Project Scientists training, 12 July 2024, Vellore
8. Exit interviews, StAr NCD Project Scientists training, 12 July 2024, Vellore
9. Promotion of healthy lifestyle, Training workshop of CBSE Master Trainers- School health and wellness programme, 18 July 2024, New Delhi
10. Basic structure of a research proposal, concept note, Workshop on Grant Writing, 30 July 2024, New Delhi
11. Promotion of healthy lifestyle, Training workshop of CBSE Master Trainers- School health and wellness programme, 01 August 2024, New Delhi
12. Promotion of healthy lifestyle, Training workshop of CBSE Master Trainers- School health and wellness programme, 07 August 2024, New Delhi
13. Evidence and gap maps, 3rd Cochrane India Conclave, 27 October 2024, Rishikesh
14. Primary Health Care- Innovations and Opportunities, 5th IAPSM Young Leader National Conclave, 09 November 2024, New Delhi
15. Key elements of research protocol, PG course on research methodology, writing, and communication, 12 November 2024, New Delhi`
16. Development of proforma and data management, PG course on research methodology, writing, and communication, 12 November 2024, New Delhi`
17. Introduction to qualitative research, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 13 November 2024, New Delhi`
18. Data collection, sampling strategies, sample size and ethics, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 13 November 2024, New Delhi`
19. Focus Group Discussion, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 14 November 2024, New Delhi`
20. Analysis in qualitative research, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 14 November 2024, New Delhi`
21. Introduction to qualitative research, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 18 December 2024, New Delhi`
22. Data collection, sampling strategies, sample size and ethics, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 18 December 2024, New Delhi`

23. Focus Group Discussion, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 19 December 2024, New Delhi`
24. Analysis in qualitative research, Workshop on Qualitative Research in Medical Education for AIIMS faculty Basic Level- Design, Conduct and Analysis, 19 December 2024, New Delhi`
25. Promoting the use of SRS mortality data, Technical Advisory Group (TAG) meeting of MINErVA network, 21 December 2024, New Delhi`
26. Introduction to Qualitative Systematic Reviews, Qualitative systematic reviews, 21 January 2025, New Delhi`
27. Exposure measurement in case control study, Case Control Study- Design, methods and analysis, 28 January 2025, New Delhi
28. Biases in case control study, Case Control Study- Design, methods and analysis, 28 January 2025, New Delhi
29. Getting started with qualitative research software (NVivo), Workshop on Qualitative Research in Medical Education, Advanced level- analysis and reporting, 4 February 2025, New Delhi
30. 30, Practical coding and data analysis with NVivo, Workshop on Qualitative Research in Medical Education, Advanced level- analysis and reporting, 05 February 2025, New Delhi
31. Effective reporting, Workshop on Qualitative Research in Medical Education, Advanced level- analysis and reporting, 06 February 2025, New Delhi
32. Writing and reporting qualitative research findings, Induction training workshop – Implementation Research to enhance screening, early diagnosis, initiation of treatment for oral, breast and cervical cancer in selected districts of India, 24 February 2025, New Delhi
33. Institutional mechanisms to address issues related to scientific misconduct, Workshop on ethics in publication and responsible authorship, 24 February 2025, New Delhi

Ravneet Kaur

1. Vaccination for geriatric population, Recent updates on Adult Immunization, 17 May 2024, VMMC and Safdarjung Hospital, New Delhi
2. Analyzing the problem and Measuring the Quality of Care, Quality Improvement Workshop Maternal Infant Young Child and Adolescent Nutrition, 2 August 2024, Lady Hardinge Medical College, New Delhi
3. QI in MIYCAN- Experience in ANC, IYCF and Community Nutrition Clinic, Quality Improvement Workshop Maternal Infant Young Child and Adolescent Nutrition, 3 August 2024, Lady Hardinge Medical College, New Delhi
4. Digital Learning Environment in India, Researching Student Perspectives in Digital Education, 3 October 2024, AIIMS, New Delhi
5. Challenges in working with tribal communities, 5th IAPSM Young Leaders' Conclave, 10 November 2024, AIIMS, New Delhi
6. Problem and Purpose Statement, Qualitative Research in Medical Education, 13 November 2024, AIIMS, New Delhi
7. Focus Group Discussion, Qualitative Research in Medical Education, 13 November 2024, AIIMS, New Delhi
8. In-Depth Interview, Qualitative Research in Medical Education, 14 November 2024, AIIMS, New Delhi
9. Choosing the right study design for your research question, Workshop on Research Methodology- INSIGHT 2024, 16 November 2024, AIIMS, New Delhi
10. Essay questions, Modified essay questions (MEQs), and Short answer questions, Faculty Development Workshop on Assessment Methods in Medical Education, 21 November 2024, CMET, AIIMS, New Delhi
11. Conceptual framework in Qualitative Research, Workshop on Qualitative Research in Medical Education- Basic, 18 December 2024, AIIMS, New Delhi
12. Focus Group Discussion and In-Depth Interview, Workshop on Qualitative Research in Medical Education - Basic, 18 December 2024, AIIMS, New Delhi
13. Ensuring quality in qualitative research, Workshop on Qualitative Research in Medical Education - Advanced, 6 February 2025, New Delhi

14. Government Initiatives and targets in Immunization, In-service training program of Nursing Officers, 17 March 2025, AIIMS, New Delhi

Harshal Ramesh Salve

1. Health Impact of heatwave and Preparedness Measures, Heat-Health National Level Capacity Building Workshop & Conclave - NIDM Delhi, 24 March 2025, Delhi
2. Understanding Health Impacts of PM2.5 and Tropospheric Ozone, Roundtable meeting on – Air Quality and health: Impact of respirable particulate matter and ozone, 10 March 2025, Delhi
3. Impact of climate Change on Chronic Lung Diseases, 2nd International Patient Summit, 7 March 2025, Delhi
4. Monitoring, Evaluation and Building Information Systems for NCDs, 10th International Course Public Health Approaches to Noncommunicable Diseases 2025, 6 March 2025, Chandigarh
5. Population Based Non-communicable Diseases Screening: Evidence, Issues and Challenges, 10th International Course Public Health Approaches to Noncommunicable Diseases 2025, 6 March 2025, Chandigarh
6. Approaches and methods of literature review, NMOCON - 2025, 2 March 2025, Udaipur
7. Health impact of Air Pollution – *What we know? what we need to do?* 26th MIAPSMIPHAcon 2025, 18 January 2025, Jalgaon Maharashtra
8. Impact of Air Pollution on Children, E-Connect Series - Child health Division MOHFW, 16 January 2025, Virtual
9. Capacity building initiative under MINErVA, MINErVA Technical Advisory Group Meeting, 21 December 2024, Delhi
10. Actons for mitigating impact of Environmental exposures – Case Studies, Challenges & Way Forward, 5th IAPSM Young Leaders' National Conclave, 10 November 2024, Delhi
11. Climate and health studies conducted by the regional consortium team contributed by - INDIA, International Workshop of Establishing a Regional Consortium of Human Health Impacts of Excessive Heat and Air Pollution in Southeast, South and East Asia, Singapore, 19 October 2024, NTU, Singapore
12. Lifestyle Medicine in health system, 5th Annual International Conference of Indian Society of Lifestyle Medicine, 6 October 2024, Delhi
13. Silent Threats: The Alarming Impact of Pollution on Public Health, Annual Meeting of Voluntary Health Association of India (VHAI), 4 October 2024, Delhi
14. Impact of Climate Change on Nutrition and Food Security, 2nd National Health Conference on Nutrition and Health 2024 (Virtual), 30 September 2024, Virtual
15. Qualitative Studies – Method, Ethical Issues and Reporting, 6th National Conference of Family Medicine and Primary Care, 28 September 2024, AIIMS Rishikesh
16. Health impact of Air Pollution – Evidence and cues for action, 4th State conference of Indian Association of Preventive and Social Medicine- Karnataka State Chapter, 21 September 2024, Davngere, Karnataka
17. Air Pollution and Cardio-respiratory Diseases – Evidence and Action required, CREST PURVIEW Lecture Series, 20 September 2024, Virtual
18. Air Pollution and Non-Communicable diseases – Evidence and Action required, ECHO India Guest Lecture Series – Pondicherry Institute of Medical Sciences, Puducherry, 18 September 2024, Virtual
19. Industrial Exposure related Air Pollution and health impacts– Evidences and cues for action, XXVII Annual Conference of North Zone Chapter of Indian Association of Preventive & Social Medicine NZIAPSMCON -2024, 14 September 2024, ESIC, Faridabad, Haryana
20. Air quality and health: Concerns and guidelines, Mitigating air pollution for Sustainable Climate Change solutions - Global Sustainability Summit, Amity University, September 2024, Noida, Uttar Pradesh
21. Collaborative for Air Pollution and Health Effects Research (CAPHER) India, Training of Early-career researchers in Air Pollution and Health in collaboration with Health Effects Institute, Kathmandu, Nepal, 12 August 2024, Kathmandu, Nepal (Virtual)
22. Health Inesuqlity and its vulnerability to Climate Change, NAMS CME on Climate Change and Human Health, 9 August 2024, Naharlagun, Arunachal Pradesh

23. Strategising to cointer illefects of Climate Change, NAMS CME on Climate Change and Human Health, 9 August 2024, Naharlagun, Arunachal Pradesh
24. Health impact of Air Pollution – Evidence and cues for action, Smart Transportation for Reducing Emissions and Congestion in Indian Cities (STERC) Workshop by IIT Kanpur, 20 July 2024, Noida, Uttar Pradesh (Virtual)
25. Health Care for Transgender - Common Forms of Discrimination and Harassment in Healthcare Settings and Educational Institutions, Workshop on Breaking barriers - Promoting TGs Inclusivity in Medical Settings, AIIMS Bilaspur, 13 July 2024, AIIMS Bilaspur, Himachal Pradesh
26. Sustainable Population Growth: Rural and Urban - Trends, Challenges and Solutions, CME on World Population Day organised by Central Health Education Bureau, 1 July 2024, Delhi
27. Health impact of Air Pollution – Evidence and cues for action, International Conference on Climate Change and Health and Environmental Sustainability organised by Armed Forces Medical College, Pune, 18 June 2024, Pune
28. Health Impact of heatwave and Preparedness Measures, Training Programme on Heatwave mitigation and management for Officers /Officials of ESIC Medical Colleges, Hospitals and Dispensaries, Delhi, 6 June 2024, Delhi
29. Managing AIR POLLUTION: Way forward towards Achieving Health, IMA Webinar on Climate Change and health, 5 June 2024, Delhi, Virtual
30. Literature search and data abstraction in systematic review, SRMA Workshop Organised by ICMR – NCDIR, Bengaluru, 16 April 2024, Bengaluru
31. Managing AIR POLLUTION: Way forward towards Achieving Health, CME World Health Day, Sharda University, 7 April 2024, Noida, Uttar Pradesh

Rakesh Kumar

1. Tuberculosis and Neglected Tropical Disease in primary health care, Post Graduate Continued Medical Education 'Revisiting Primary Health Care in India- Beyond Medicine', 13 April 2024, New Delhi
2. Responsibilities of the Principal Investigator in reporting of serious adverse events, Workshop on "serious adverse events in clinical trials", 2 May 2024, New Delhi
3. Strengthening verbal autopsy-based mortality surveillance under Sample Registration System in India, Technical advisory group meeting of MINeRVA Network, 21 December 2024, New Delhi
4. Burden of seasonal influenza among high-priority groups: understanding the impact and challenges, 69th Annual Conference of Indian Public Health Association, 21 March 2025, Belagavi

Partha Haldar

1. Community Perspective in Viral Hepatitis, Public Health Lecture July 2024 at AIIMS New Delhi, 21 July 2024, New Delhi
2. Research Data Management, CDER Department of Prosthodontics, AIIMS New Delhi, 24 September 2024, New Delhi
3. Digital Technologies for Multisectoral Action in Primary Health Care, CME Community Medicine, AIIMS New Delhi, 12 April 2024, New Delhi
4. Statistical Analysis Plan, CRU workshop on Clinical Trials, AIIMS New Delhi, 01 October 2024, New Delhi
5. Confounders and their management, Workshop on Case Control Studies CEU, AIIMS, 04 February 2025, New Delhi
6. Impetus Stroke, Implementation Study findings, Investigator's Meeting, Impetus Stroke, 03 October 2024, New Delhi
7. Why do a Systematic Review and Meta Analysis, Workshop on Systematic Review and Meta Analysis, MAMC, 08 April 2024, New Delhi
8. How to frame a research question, Workshop on Systematic Review and Meta Analysis, MAMC, 08 April 2024, New Delhi

9. Formulating Research Question, Workshop on Systematic Review and Meta Analysis, MAMC, 08 April 2024, New Delhi
10. Designing Search Strategy, Hands-on, Workshop on Systematic Review and Meta Analysis, MAMC, 08 April 2024, New Delhi
11. Critical Appraisal and Quality assessment of Literature- a hands on using macros, Workshop on Systematic Review and Meta Analysis, MAMC, 08 April 2024, New Delhi
12. Measures of Association, Workshop on Systematic Review and Meta Analysis, MAMC, 09 April 2024, New Delhi
13. Interpretation of forest plots, funnel plots, Workshop on Systematic Review and Meta Analysis, MAMC, 09 April 2024, New Delhi
14. Publication bias, and guidance on writing a publication, Workshop on Systematic Review and Meta Analysis, MAMC, 09 April 2024, New Delhi
15. Research methodology, and systematic review and meta-analysis, 1st International Conference on Advances in Integrative Medicine 2025, 7 March 2025, New Delhi
16. Evidence-based Research, 53rd Annual Conference of IAPMR, NIMHANS, 29 January 2025, Bangalore

Mohan Lal Bairwa

1. Reorienting towards a more equitable and people-centered health system, Roundtable Meeting on Non-Communicable Diseases and Health Equity, 6 March 2025, Delhi
2. Strengthening medical certification of cause of death in the UT Puducherry: opportunities and challenges, Joint IPHA-IAPSM State Conference - Puducherry Chapter, 19-20 January 2025, Puducherry
3. Strengthening of Certification of Cause of Death of institutional deaths in India, Technical Advisory Group Meeting of MINErVA Network, 21 December 2024, Delhi
4. Strengthening of Certification of Cause of Death of institutional deaths in Rajasthan**,** State-level MCCD Reporting Improvement and Capacity-building Workshop, 28 July 2024, Jaipur
5. Strengthening of Certification of Cause of Death of institutional deaths in Rajasthan, State-level MCCD Reporting Improvement and Capacity building Workshop, 28 November 2024, Jaipur
6. Strengthening of Certification of Cause of Death of institutional deaths in Rajasthan, State-level MCCD Reporting Improvement and Capacity-building Workshop, 29 November 2024, Jaipur
7. Strengthening Medical Certification of Cause of Death in Rajasthan, Tamil Nadu, IAPSM YLNC 2024, 10 November 2024, Delhi
8. Sampling and Sample Size Calculation, Medicus Conventus, 5 October 2024, Delhi
9. CPHC – Introduction, Comprehensive Primary Health Care Sensitization workshop for District Nodal Officers, Medical Officers and CHOs at West Garo Hills, 8 August 2024, Tura, West Garo Hills
10. CPHC Teams, Comprehensive Primary Health Care Sensitization workshop for District Nodal Officers, Medical Officers and CHOs at West Garo Hills, 1 September 2024, Tura, West Garo Hills
11. Research question and hypothesis, Workshop on Qualitative Research in Medical Education- Basic level, 13 November 2024, Delhi
12. Research question and qualitative approaches, Workshop on Qualitative Research in Medical Education- Basic level, 4 February 2025, Delhi
13. Coding in qualitative data analysis, Workshop on Qualitative Research in Medical Education- Advanced level, 18 February 2025, Delhi

Manya Prasad

1. Moderator for sessions on ‘Synthesis of results’, ‘Subgroup and sensitivity analysis’, CME on Evidence-Based Medicine conducted by Department of Health Research, Ministry of Health and Family Welfare, GoI, 4 March 2025, Online

2. Moderator for sessions on 'Quality assessment of study designs', CME on Evidence-Based Medicine conducted by Department of Health Research, Ministry of Health and Family Welfare, GoI, 18 March 2025, Online
3. Speaker for session on 'How to assess inconsistency', CME on Evidence-Based Medicine conducted by Department of Health Research, Ministry of Health and Family Welfare, GoI, 25 March 2025, Online
4. 4, Resource faculty for session on 'Meta-analysis- a primer' and hands-on session, ICMR workshop on 'Systematic reviews and meta-analysis', Government Institute of Medical Sciences, Noida, 26 March 2025, Noida

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
126	143	145

ORAL/POSTER PRESENTATIONS: 16

1. Bhatia R, Haldar P, Long Kumer I, Padma V, Misra P, Sharma G, et al, Effectiveness of self-monitoring of blood pressure in Hypertension detection in primary-care: the EASE-BP randomized trial Abstract N: 2025, 10th European Stroke Organization
2. Bhatia R, Haldar P, Salunkhe M, Gupta S, Prasad D, Padma V, Status of stroke care, stroke-metrics and outcomes: Analysis of 2,200 cases in pre pre-implementation phase of IMPETUS Stroke study. Abstract N: 2476, 10th European Stroke Organization Conference, 16 May 2024, Basel Switzerland
3. Jalal R, Joseph J, Kumar R, Lodha R, Goyal R, Krishnan A, Incidence of acute respiratory infections due to respiratory syncytial virus in under-five children in South Asia: A systematic review and meta-analysis, 13th International RSV Symposium, 13 March 2025, Iguazu, Brazil
4. Joseph J, Jalal R, Aggarwal P, Majeed N, Salve S, Meeraj A, et al, Evidence considerations for in-country RSV vaccine and antibody policy decisions: India case study, 13th International RSV Symposium, 14 March 2025, Iguazu, Brazil
5. Krishnan A, Prabhakaran AO, Shekhawat K, Ortega-Sanchez IR, Kumar R, A Marchand R, et al, Lafond KE, Dar L, Saha S, Azziz-Baumgartner E., Influenza among older adults in India: Disease burden and cost-effectiveness of introduction of a vaccination program, OPTIONS XII for the Control of Influenza Congress, 29 September-2 October 2024, Brisbane, Australia
6. Kumar R, Prabhakaran AO, Rajkumar P, Girish Kumar CP, Potdar V, A Marchand R, et al, A household investigation of transmission dynamics of influenza and novel severe acute respiratory syndrome coronavirus (SARS CoV-2) over multiple transmission periods in India, Options XII for the control of influenza, 30 September 2024, Brisbane, Australia
7. Kumar R, Singh UB, Chandra A, Devasenathipathy K, Krishnan A, Effect of diabetes on presentation and treatment outcomes among adult patients with sputum-positive pulmonary tuberculosis: a prospective cohort study in Haryana, India, The Union World Conference on Lung Health, 15 November 2024, Bali, Indonesia
8. Kumar R, Singh UB, Singh M, Singh A, Mitra DK, Krishnan A, et al, Efficacy of energy-dense nutritional supplement in improving treatment outcomes in malnourished adults with drug-sensitive pulmonary TB: An open-label randomized controlled trial in India, The Union World Conference on Lung Health, 14 November 2024, Bali, Indonesia
9. Kundu P, Dey S, Krishnan A, Ghosh S, Rao GN, Varghese M., Benega V., Gururaj G., Depression and Anxiety associated with exposure to Ambient PM2.5 in India: Insights from the National Mental Health Survey, 36th Annual Conference of the International Society for Environmental Epidemiology, 25-28 August 2024, Santiago, Chile
10. Muthukumarasamy A, Patil N, Nongkynrih B, Kaur R, Chandra A, Das AS, Standardization of Blood Pressure (BP) Measurement among patients attending an Urban Primary Health Centre: A Quality Improvement Initiative, 4th AIIMS Annual Research Day, 29 January 25, New Delhi
11. Nagapan M, Salve HR, Krishnan A, Goswami K, International Society of Environmental Epidemiology Asian and Western Pacific Chapter (ISEE-AWPC) & International Society for Exposure Science Asian Chapter (ISES-AC) Joint Conference 2024, International Society of Environmental Epidemiology Asian and Western Pacific

Chapter (ISEE-AWPC) & International Society for Exposure Science Asian Chapter (ISES-AC) Joint Conference 2024, 26 June 2024, Kotakinabalu, Malaysia

12. Nagapan M, Salve HR, Krishnan A, Goswami K, Knowledge and practices related to Ambient Air Pollution in an urban population in the Capital City of India, 36th Annual Conference of International Society for Environmental Epidemiology (ISEE), Chile (Virtual) – 25-28 August 2024, Santiago, Chile, Virtual
13. Ranjith A, Yadav K, Ramaswamy G, Point-of-care anaemia testing: How do Digital Hemoglobinometers fare? World Public Health Nutrition Congress, 10-13 June 2024, London
14. Singh K, Kaur R, Behera C, Balhara YPS, Suicide deaths in South and South-east districts of Delhi during Pre and Post-COVID-19 period- A comparative analysis, 4th AIIMS Annual Research Day, 29 January 2025, New Delhi
15. Singhal I, Alwani A, Kumar R, A descriptive study of the functionality and intended use of tuberculosis-related mobile applications in India, 6th National Conference of Family Medicine and Primary Care, 28 September 2024, Rishikesh
16. Yadav K, Khanna P, William Joe JM, Mishra P, National Policies and Programs to Tackle Anaemia in India: A Review, World Public Health Nutrition Congress, 10-13 June 2024, London

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
20	22	16

RESEARCH

Funded Projects

Ongoing

1. A randomized controlled trial to see effect of community-based yoga program on diabetes, blood pressure, lipid profile and wellness in rural and tribal community setting and its feasibility to integrate with health and wellness centres (HWC) in the country. (ICMR funded), Dr Puneet Misra, ICMR, 2 Years, 2024-2026, Rs 53, 52, 445.00 Lakhs
2. Air Pollution Impact on Pregnancy and Early Childhood Development in India - Cohort Study (APiPED Cohort), Dr Harshal Ramesh Salve, ICMR, 4 Years, 2024, 2028, Rs 4,40,00,000.00 Lakhs
3. An exploratory series of n of 1 responder restricted study of Ayurveda regimen on quality of life among elderly population in Ballabgarh district of Haryana- A community-based study. (CCRAS funded), Dr Puneet Misra, CCRAS, 3 Years, 2024, 2027, Rs 3,96,57,500.00 Lakhs
4. Assessment of household level vulnerability and health system preparedness towards heat-related illness in selected districts of Haryana, Dr. Harshal Ramesh Salve (Thesis Supervisor), AIIMS, 2 Years, 2025-2027, Rs 1,00,000.00 Lakhs
5. Burden and Sequelae of Influenza and SARS-CoV2 associated SARI among adult Indian population (18-60 years)", Dr Anand Krishnan, CDC Atlanta, 5 Years, 2024-2029, Rs 42,65,00,000.00 Lakhs
6. CAPHER-Collaborative on Air Pollution and Health Effects Research, India, Dr Harshal Ramesh Salve, Health Effects Institute, Boston USA, 4 Years, 2021-2025, Rs 1,02,42,000.00 Lakhs
7. Centre of Excellence on Air Pollution and Health, Dr Harshal Ramesh Salve, PM ABHIM (NCDC, MOHFW), 2 Years, 2024-2026, Rs 1,78,48,000.00 Lakhs
8. Development and validation of a novel tool to measure medication adherence for select NCDs in the Indian population – An Exploratory sequential mixed method multicentric study, Dr Mohan Bairwa, ICMR, 3 Years, 2023-2025, Rs 6,20,000.00 Lakhs
9. Development of a model for management of cardiovascular diseases at primary and secondary health care settings using artificial intelligence technology in Delhi NCR, Dr Harshal Ramesh Salve, Tricog Health India Pvt. Ltd., 1 Year, 2024-2025, Rs 12,95,000.00 Lakhs
10. Drivers of reduction in anaemia in India: Insights from subnational exemplars, Dr Kapil Yadav, IAVI, 2 Years, 2023-2025, Rs 1,50,00,000.00 Lakhs

11. Efficacy and safety of Punarnavadi Mandura alone and in combination with Drakshavaleha compared to iron folic acid in the treatment of moderate iron deficiency anaemia among non-pregnant women of reproductive age group: A community-based three-arm multicentre randomized controlled trial. (ICMR funded), Dr. Puneet Misra, ICMR, 18 Months, 2024-2025, Rs 22,04,012.00 Lakhs
12. Establishing a Technical Support Unit For Verbal Autopsy Based Cause Of Death Ascertainment In The Sample Registration System, Registrar General Of India N-1725, Dr. Anand Krishnan, Ministry of Home Affairs(RGI), 5 Years, 2020-2025, Rs 15,00,00,000.00 Lakhs
13. HIV Sentinel Surveillance for India project, Dr. Sanjay K. Rai, NACO, MoHFW, GoI, 1 Year, 2024-2025, ₹ 2, 65, 61045.00
14. ICMR's National Health Research Priority Project "Equitable, Quality Universal health coverage Implementation research Project for optimizing comprehensive primary health care through Health and Wellness Centres in Alluri Sitharama Raju district of Andhra Pradesh - EQUIP-HWCs, Dr YS Kusuma, ICMR, 3 Years, 2023-2026, Rs 5,87,36,000.00 Lakhs
15. Implementation and scaling up of model to achieve universal coverage with physician ascertained cause of death at district-level in India, Dr. Anand Krishnan, ICMR, 3 Years, 2025-2028, Rs 6,20,00,000.00 Lakhs
16. India Primary Health Care Support Initiative, Dr Anand Krishnan, JHU, 5 Years, 2021-2026, Rs 2,50,00,000.00 Lakhs
17. Innovation Learning Centre for supporting implementation of Comprehensive Primary Health Care in Nuh (Mewat), Dr. Sumit Malhotra, National Health Systems Resource Centre, Ministry of Health and Family Welfare, Government of India, 7 Years, 2018-2025, Rs 1,08,57,625.00 Lakhs
18. Mental Health Promotion for college and school-going young people through lay health counsellors and mid-level health care providers model in Haryana- feasibility, acceptability, and pilot effectiveness study, Dr Sumit Malhotra, AIIMS Intramural Collaborative, 2 Years, 2023-2025, Rs 10,00,000.00 Lakhs
19. National Centre of Excellence and Advanced Research on Anaemia Control (NCEAR-A) 2018, Dr. Kapil Yadav, UNICEF, 7 Years, 2018-2026, Rs 1,50,00,000.00 Lakhs
20. Needs assessment for integrating digital clinical decision support tools in neonatal care delivery in a rural district of north India, Dr Sumit Malhotra, AIIMS -UCL Collaborative, 1 Year, 2024-2025, Rs 5,00,000.00 Lakhs
21. Risk assessment and Health System preparedness in a religious mass gathering in India during Maha Kumbh Mela 2025, Dr. Sanjay K. Rai, Ministry of Urban Development, Govt. of Uttar Pradesh, 4 Months, 2025-2025, Rs 37,24,500.00 Lakhs
22. SaKSHAM – Strategic NiKSHay Abhiyaan at the Maha Kumbh Mela 2025: Opportunities and Challenges in the Implementation of the NTEP 100-Day Tuberculosis Campaign at the Maha Kumbh Mela 2025, Dr Rakesh Kumar, Ministry of Urban Development, Govt. of Uttar Pradesh, 3 Months, 2025-2025, Rs 20,48,655.00 Lakhs
23. Situational Analysis of Health Care Facility and Community Preparedness for Implementing Govt. of India Guidelines for Gestational Diabetes Mellitus, (An ICMR Task Force Study), Dr Puneet Misra, ICMR Task Force Study, 3 Years, 2023-2026, Rs 47,77,453.00 Lakhs
24. Strategies for Enhanced Population Engagement and Health Care Seeking for Prevention and Control of Hypertension and Diabetes in India: The STEPS-INDIA Multi-Centre Study, Dr. Mohan Bairwa, ICMR, 4 Years, 2024-2028, ₹ 84,00,000.00 Lakhs
25. Strengthening ambulatory care for common NCDs in north India (STAR NCD) – An Implementation Research National Health Priority Project, Dr. Sumit Malhotra, Indian Council of Medical Research, 3 Years, 2024-2027, Rs 4,70,16,807.00 Lakhs
26. Technical Resource Centre, Centre for Evidence-based guidelines, Department of Health Research, GoI, Dr Manya Prasad, Department of Health Research, Ministry of Health and Family Welfare, Government of India, 3 Years, 2024-2027, Rs 60 Lakhs
27. The direct and indirect protection derived by vaccinating children against COVID-19: An ambispective cohort study. Dr Sanjay K Rai, Bharat Biotech, 4 Years, 2022-2025, Rs 1,5000, 000.00 Lakhs
28. The Impact of Positive Aging Intervention on Flourishing of Elderly in India: A Pan-India Cluster Randomized Controlled Trial, Dr Mohan Bairwa, ICMR, 3 Years, 2024-2026, Rs 21 Lakhs
29. Using Digital Solutions to Improve Cause of Death Data in India, Dr. Anand Krishnan, CDC Foundation through UNSW, 2 Years, 2024-2025, Rs 67 Lakhs Validation and feasibility of Swaasa AI platform at a Primary Health

Setting for lung health assessment, Dr Harshal Ramesh Salve, Zensark technologies Pvt Limited, 1.5 Years, 2023-2024, Rs 8,87,740.00 Lakhs

30. Validation and operational feasibility study of Swaasa AI platform for detecting likely presence of Pulmonary Tuberculosis (PTB) among patients presenting with cough in India., Dr. Rakesh Kumar, Salcit Technologies Pvt Ltd, 1.5 Years, 2023-2025, Rs 35 Lakhs

Completed

1. A cluster-randomized, double-blind study to evaluate the efficacy of the Natural Iron Fruit Bar for anaemia prophylaxis in school-going adolescents in North India, Dr Kapil Yadav, N/A, 1 Year, 2024-2025, Non-funded
2. Comprehensive Anaemia Control Initiative: Enhancing IFA supplementation strategy and prioritization of private school, Dr. Kapil Yadav, Evidence Action, 2 Years, 2024-2025, 33 Lakhs
3. COVID-19 vaccine acceptance and uptake: an implementation research among tribal, rural and urban communities in selected districts of four Indian states, Dr YS Kusuma, ICMR, 1 Year 9 months, 2022-2024, Rs 139.74 Lakhs
4. Assessment of work performance of ASHA in Population-based Screening of Non-Communicable Non-communicable diseases (NCDs) - A multi-site study, Dr Harshal Ramesh Salve, WHO - Country office for India, 0.9 Years, 2023, 2023, Rs 15, 38, 250 Lakhs/-
5. Early marriage and teenage pregnancy: intersectionality of gender, poverty and social norms in decision making, and access to healthcare services - A case study of Visakhapatnam district of Andhra Pradesh, Dr YS Kusuma, ICMR, 2 Years, 2022-2024, Rs. 50.71 Lakhs
6. Prevalence and causes of anaemia among tribal women of reproductive age group (15-49 years) residing in district of Lahaul-Spiti, Himachal Pradesh, India**,** Dr. Ravneet Kaur**,** ICMR, One year, 2023-2024, Rs 31, 89, 250/- Lakhs
7. Review of National Air Quality Standards and Proposed Revisions (Co-PI), Dr Harshal Ramesh Salve, CPCB, 1 Year, 2023-2024, Rs 24, 00, 000/- Lakhs
8. Strengthening evidence based advocacy for influenza prevention and control in India N-1814, Anand Krishnan, CDC, Atlanta, 5 Years, 2017-2024, US $ 1250, 000
9. Strengthening the Medical Certification of Cause of Death (MCCD) practices in public and private healthcare facilities in India, Anand Krishnan, ICMR-NCDIR, 2 Years, 2022-2024, 45 Lakhs

DEPARTMENTAL PROJECTS (INCLUDING THESIS/DISSERTATIONS)

Ongoing

1. A study of spiritual well-being among patients with Diabetes mellitus attending secondary care facility in District Faridabad, Haryana
2. An open-label randomized controlled trial to compare the efficacy of daily supplementation of oral small quantity lipid-based nutrient supplements (SQLNS) with oral iron and folic acid(IFA) syrup, for anaemia prophylaxis among children aged 6 months to 24 months, in rural population of Haryana, India" 2023-2025 AIIMS
3. Assessment of Digital Learning Environment in Medical Institutes of India
4. Assessment of household level vulnerability and health system preparedness towards heat related illness in selected districts of Haryana
5. Assessment of the implementation of tobacco free educational institution guidelines in schools of Faridabad district, Haryana
6. Assessment of tuberculosis preventive therapy among household contacts of pulmonary tuberculosis patients in rural Haryana
7. Comparison of once daily vs twice daily therapeutic IFA for change in hemoglobin among school-going adolescent girls in rural Haryana An open-labelled non-inferiority cluster randomised controlled trial.
8. Coverage and Delivery of maternal nutrition services in primary health care settings in a rural area of Ballabgarh, Haryana.
9. Depression and anxiety among transgender persons who are enrolled with targeted intervention sites for HIV in Delhi
10. Developing an Integrated Mortality Information System at district level in selected states of North India

11. Dietary practices and nutritional status of children aged 06-23 months in an urban resettlement colony of Delhi
12. Duration and Pattern of Screen Time and Its Associated Factors among Pregnant Women of Rural Ballabgarh
13. Effect of Yoga break at workplace on Stress, Sleep Quality and Quality of life among the Industrial workers in a town of North India
14. Enhancing mental health literacy and reducing stigma for mental illness among college going students in National Capital Territory of Delhi: An interventional study
15. HIV Self Testing as a Mechanism to Increase the Uptake of HIV Test Among MSM: A Mixed Methods Study
16. Improving Influenza management and prevention practices of physicians in selected cities of India
17. Knowledge and acceptability of pre-exposure prophylaxis (PrEP) for HIV among men who have sex with men (MSM) and transgender (TGs) in Delhi
18. Management of Type 2 diabetes mellitus in the healthcare facilities of Faridabad district, Haryana: Physician perspective
19. Perceived need, care seeking of emergency healthcare and Health system preparedness in Ballabgarh block of Haryana: A mixed method study
20. Perception of caregivers and use of air purifiers among children with asthma attending OPD at tertiary care hospitals in Delhi
21. Prevalence of bullying victimization, perpetration, and their determinants among community dwelling adolescents in Ballabgarh, Haryana
22. Prevalence of chronic kidney disease among adults aged 45 years and above residing in rural areas of Ballabgarh, Faridabad
23. Prevalence, pattern and determinants of antibiotic use among the residents of Ballabgarh block of Faridabad District, Haryana
24. Quality assessment of adolescent health-friendly clinics in Palwal district- a mixed methods study
25. Role of Demographic Surveillance Sites (DSS) in generation of mortality statistics in India: Situation analysis, feasibility of digital solutions and usefulness in estimation of national mortality statistics.
26. Statistical modelling to assess the determinants of HIV risk behaviour among the Hijra and Transgender population using Integrated Biological and Behavioural Surveillance Survey 2014-2015 in India
27. Study of Common Mental Disorders in adolescent living with HIV (ALHIV) attending the paediatric HIV services at AIIMS, New Delhi: A Case–Control Study
28. Study on long-term effects of COVID-19 among the ≥12 years age group population in an urban resettlement colony of Delhi: A cross-sectional study
29. Use of Digital Health Platforms in Public Health Programs with special focus on Non-Communicable Diseases (NCDs) in Faridabad District
30. Use of Energy-Dense Food (EDF)/ Locally prepared therapeutic food for community-based management in children aged 6- 59 months with Severe Acute Malnutrition 2023-2025 AIIMS
31. Utilization patterns of financial assistance among people living with HIV in Delhi
32. Validation of "Primary Care Team dynamics survey" tool to measure teamwork in primary healthcare settings in Faridabad and Palwal district, Haryana

Completed

1. A Double-Blinded Randomized Controlled Trial To Compare The Effectiveness Of Oral Multiple Micronutrient Supplement (MMS) Vs Oral Iron And Folic-acid, for Anaemia Prophylaxis Among Non-anaemic Pregnant Women In Rural Haryana
2. Assessment of health promotion and wellness activities under Comprehensive Primary Health Care Packages in Faridabad, Palwal and Mewat districts of Haryana
3. Development of a scale to measure eHealth Literacy among college-going students aged 18-24 years (English version) in Faridabad, India
4. Nutritional status of women aged 15-24 years in a rural area of Haryana

5. Prevalence of excessive screen time and factors associated with it among children aged 2 to 4 years in rural Ballabgarh
6. Relevance and capture of narratives in verbal autopsies for cause of death

COLLABORATIVE PROJECTS

Ongoing

1. A Phase III, Randomized, Double-blind, Three arm Placebo controlledThree-arm Placebo-controlled Trial to evaluate the efficacy and safety of two vaccines VPM1002 and Immuvac (Mw) in preventing tuberculosis (TB) in healthy household contacts of newly diagnosed sputum positive pulmonary TB patients, Department of Pulmonary, Critical Care, and Sleep Medicine
2. A Study on Evaluation of Municipal Solid Waste Management and Effectiveness of developed Tailor-Made Digital Programme for Improving Household Waste Segregation in Raipur City of Chhattisgarh: A Mixed-Method Approach, CFM, AIIMS Raipur
3. Air Pollution Impact on Pregnancy and Early Childhood Development in India - Cohort Study (APiPED Cohort), IIT Delhi
4. Analysis of Anti-neurotoxicity of Amyloid Beta(Aβ) in Alzheimer's Disease(AD) pathology targeting Lipoxygenases, Biophysics
5. Celiac disease prevalence in native south versus north Indians: Migrant study to assess reasons for the difference (ICMR), Department of Gastroenterology
6. Delhi Air Pollution health and effects (DAPHNE) – Human real life trial – Stratification of AAP subjects based on sensitivity to air pollution and the interaction of exercise with air pollution - A follow-up study (CO-PI), IIT Delhi
7. Development of a model for management of cardiovascular diseases at primary and secondary health care settings using artificial intelligence technology in Delhi NCR, Cardiology
8. Effectiveness of Home-based Self-monitoring of Blood Pressure in a Primary Care set-up of India (EASE-BP), Neurology
9. Efficacy of yoga-based cardiac rehabilitation in Post-PCI patients: A prospective randomized, open-label, blinded end-point trial, Center for Integrative Medicine and Research
10. Epidemiological investigation of suicide deaths during the COVID-19 pandemic in south and south-west districts of Delhi, Department of Forensic Medicine and Toxicology, AIIMS, New Delhi
11. Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A Multi-centre Study Across India - An ICMR Task Force Project, Department of Gastroenterology
12. Epilepsy stigma: estimating the burden, treatment impact, barriers and efficacy of self-management strategies among persons with epilepsy., Biophysics
13. Evaluation of inflammatory and oxidative stress resistance proteins in serum, as biomarkers of Alzheimer's disease with therapeutic interventions, Biophysics
14. Evaluation of intraoperative characteristics of dental pulp in carious primary teeth with pulpitis, CDER
15. Exploring the role of Mitochondria related proteins in the pathogenesis of Alzheimer's Disease and their potential as Therapeutic Agents, Biophysics
16. ICMR National Registry on Venous Thrombo-Embolic Disorders (I – Reg VED), Cardiology
17. Implementation of an Evaluation and Treatment Package for Uniform Stroke Care and outcomes in the Medical Colleges. An Implementation Research Study, Neurology
18. Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry and Research Network, Neurology
19. Integrated care for Pre-conceptional women: Development of a Perceived Pre-conceptional Health Risk Assessment Tool and Community-based Risk Reduction Sensitization Program, Department of Psychiatry, AIIMS, ND
20. Investigating the impact of Extracellular Matrix Proteins on Alzheimer's Disease progression: from diagnostic to potential therapeutic Targets, Biophysics

21. Multistate Implementation Research Study on Integration of Screening and Management of Mental and Substance Use Disorders with Other Non-Communicable Diseases (ICMR-MINDS), National Drug Deaddiction and Treatment Centre
22. Potential role of Klotho as blood-based biomarker and its therapeutic importance in breast cancer by targeting miRNA, Biophysics
23. Pre-conception Integrated Health Care for Women: Development of a Perceived Preconception Health Risk Assessment Tool and Community-based Health Risk-Reduction Sensitization Programme. 2024-26., Funded by DHR.
24. Prevalence and pattern of psychological symptoms in 8-14 years old children with Acute Traumatic Dental Injuries reporting to a tertiary care hospital in Delhi NCR, CDER
25. Prospective assessment of auditory and cognitive performance in children undergoing ear surgeries, a comparative study, ENT
26. Randomised Trial To Assess The Efficacy Of Add On Therapy With Aspirin Or Clopidogrel To The Standard Medical Therapy Alone In Patients With Tubercular Meningitis, Neurology
27. Risk assessment and health system preparedness for emergency medical response in a mass religious gathering. 2025., Funded by Govt of Uttar Pradesh
28. Talking about epilepsy: Can better patient-provider communication improve the care outcomes? A mixed-method study, Neurology
29. Yoga as an intervention for tobacco cessation - a randomized controlled trial, Center for Integrative Medicine and Research

Completed

1. Validation of POCT for serum ferritin estimation among outpatients in a facility setting, Department of Biochemistry
2. Emerging drug resistance in community-acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates- A multi-centric cross-sectional study, Microbiology
3. ICMR Task Force Centre on Rational use of drugs, Pharmacology
4. Assessment of the prevalence and pattern of traumatic dental injuries in Kabaddi players of Delhi-NCR region, CDER
5. National Viral hepatitis Control Program Sentinel Surveillance Laboratory, Microbiology

RESEARCH OVER PAST 3 YEARS

Research projects	2021-22	2022-23	2023-24	2024-25
Total funded projects*	33	28	48	40
Total funding (INR) (Lakhs)	Rs 14.7 Lakhs	Rs 18.5 Lakhs	Rs 25.1 Lakhs	Rs 34.1 Lakhs

PUBLICATIONS

Journals: 75 **Abstracts: 02** **Chapters in Book: 01**

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024–2025
Total	108	96	78
Journal articles	103	84	75
Abstracts	0	4	02
Chapters in books	5	8	01
Books	0	0	0

PATIENT CARE

Comprehensive Rural Health Services Project, Ballabgarh

Professor In-Charge: Dr. Puneet Misra

Additional Professor: Dr. Harshal Ramesh Salve

Dr Rakesh Kumar (Till 09 January 2025)

Associate Professor: Dr. Mohan Lal Bairwa (From – 16 September 2024)

Assistant Professor: Dr. Manya Prasad (From – 10 March 2025)

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Comprehensive Rural Health Services Project (CRHSP), Ballabgarh is the rural program of the Centre for Community Medicine of the All India Institute of Medical Sciences, New Delhi. It comprises of a sub district hospital (SDH), and two Primary Health Centres (PHCs) at Dayalpur, and at Chhainsa. The Intensive Field Practice area of CRHSP, as of 31st March 2025 consisted of a total population of 1, 05, 163. The public health care infrastructure at the Intensive Field Practice area of CRHSP comprises of 12 sub-centers associated with the two aforementioned PHCs. The Mission of CRHSP Ballabgarh is to achieve excellence in public health by undertaking teaching, research and patientcare in rural setting.

CRHSP Ballabgarh is involved in patient care, teaching, training and research activities. MBBS 7thsemester students, Interns, postgraduate students, Senior Residents of various disciplines, and Nursing students, are posted at CRHSP Ballabgarh for their training through exposure to health care provision at a sub-district facility, and at PHC level. The students are also sensitized to the social determinants of health, through their residential teachings at these PHCs, wherein they interact with the community members.

Healthcare provision statistics at CRHSP Ballabgarh (1st April 2024 to 31st March 2025)

- OPD services – **257362** patients,
- In-patient services – **6591** patients,
- Emergency services – **79799** patients
- A total of **2746** deliveries were conducted for pregnant women
- Total number of surgeries performed– **597** (only at the SDH Ballabgarh)

Following note provides a detailed description of the activities at the CRHSP Ballabgarh, which includes the two PHCs for the financial year 1st April 2024 to 31st March 2025:

1. Teaching
2. Patient Care

PATIENT CARE

Patient care at the CRHSP Ballabgarh is described under following two categories

A. Patient care services provided at the Sub-district Hospital (SDH), Ballabgarh

B. Patient care services provided at the Primary Health Centres

Patient care services provided at SDH Ballabgarh:

Due to proposed construction of new ward block at SDH Ballabgah, IPD services are shifted to OPD Block. Hence, both OPD and IPD services at SDH Ballabgarh are restricted. Current bed strength in the ward is 30. (Original bed strength was 55)

Outpatient Departments:

Daily	Once weekly
• General Medicine	• Non-Communicable Disease Clinic
• General Surgery	• Physical Medicine and Rehabilitation (PMR)
• Pediatric	• Pediatric Surgery
• Obstetrics and Gynecology	• Nutrition OPD
• Ophthalmology	• Dermatology
• Psychiatry	• Ear, Nose and Throat
• Dental	
• AYUSH(Homeopathy)	**Twice weekly**
• AYUSH(Ayurveda)	• Orthopedics
	Thrice weekly
	• Ante-natal clinic

1. Total Outdoor Patients

Services	2024-2025	2023-2024	2022-2023
• Out Patient Department (OPD) Total (New +Old)	2, 57, 362	2, 89, 066	3, 02, 362
• New OPD patients (%)	127353 (49.5%)	1, 39, 549 (48.3%)	1, 58, 889 (52.5%)
• Medicine (New + Old)	98619	1, 03, 247	90, 532
• Paediatrics (New + Old)	38753	46, 756	56, 232
• Obstetrics and Gynaecology (New + Old)	21484	23, 173	22, 310
• Antenatal care Clinic registrations, Total visits, (New+Old)	20141	21, 805	22, 547
• Ophthalmology (New + Old)	11125	14, 544	16, 238
• Surgery (New + Old)	10700	12, 727	14, 175
• ENT (New + Old)	3914	6, 219	8, 370
• Dental	11550	11, 007	8, 894
• Physical Medicine & Rehabilitation (New + Old)	3574	2, 671	2, 310
• Non-Communicable Disease clinic, Total (New + Old)	2156	3, 296	3, 202
• Dermatology (New + Old)	4540	6, 113	7, 668
• AYUSH (Homeopathy + Ayurveda)	12419	10, 251	11, 629
• Orthopaedic (New + Old)	7966	15, 412	25, 095
• Psychiatry	9869	10, 601	9, 187
• Nutrition OPD	192	408	305
• Plastic Surgery	0	0	0
• Neurology	0	0	0
• Pediatric surgery	0	836	1, 668

2. In-patient services

- **Total no. of beds:** 50 (Functional: 30)

Services	2024-25	2023-24	2022-23
a. Total Admissions (including births)	**6591**	**7394**	**9, 966**
• Admission through casualty	3610	3, 546	3, 961
• Admission through OPD	253	1, 024	2, 846
• Admission of New Born (births)	2728	2, 824	3, 159
b. Disaggregation of admissions, by specialty			
a. Obstetrics and Gynaecology	3736	3, 856	4, 690
b. Paediatrics	104	198	378
c. Ophthalmology	0	255	816
d. Surgery	21	185	721
e. Medicine	2	19	29
f. ENT	0	57	171
g. Physical Medicine and Rehabilitation (PMR)	0	0	2
• New Born	2728	2, 824	3, 159
Average Bed Occupancy Rate (%) (Including NB)c.	118.4	121.7	107.9
d. Average duration of stay for all patients (in days)	1.92	1.99	2.08
e. Total Deliveries Conducted (including IUD)	2746	2, 842	3, 191

3. Casualty services

Total no. of beds – 10

Casualty Services	2024-2025	2023-2024	2022-23
a. Patients registered	79799	72, 591	68, 427
b. Medico-legal cases	5485	5, 724	5, 790
c. Emergency admissions	2196	2, 295	2, 934

4. Surgical Procedures

Total Surgical Procedures at SDH Ballabgarh	2024-25	2023-24	2022-2023
1. Ophthalmology	0	239	775
2. Obstetrics and Gynaecology	572	596	668
3. General Surgery	25	166	603
4. Paediatrics Surgery	0	56	135
5. ENT	0	53	140
6. PMR	0	0	0
Total	**597**	**1, 110**	**2, 321**

5. Laboratory and Diagnostic services

Laboratory and Diagnostic Services	2024-25	2023-24	2022-23
a. Laboratory investigations (biochemical and hematological)	1, 69, 318	3, 10, 225	3, 05, 727
b. X Ray	7707	24, 921	32, 114
c. USG	9457	8, 969	9, 728
d. Malaria Slides	3903	6, 818	8, 393
• P. vivax	0	0	0
• P. falciparum	0	0	0
e. Counselling and testing services provided for HIV	8324; 8301	8502; 8486	11208; 11192

National Tuberculosis Elimination Programme:

SDH Ballabgarh is a Tuberculosis Unit (TU) under the National Tuberculosis Elimination Programme (NTEP). Three designated mimcroscopy centres (DMCs) are attached to this unit. Total tuberculosis cases treated at

BALLABGARH HOSPITAL FOR LAST 3 YEARS ARE AS FOLLOWS:

Total cases started on treatment	2022-2023	2023-2024	2024-2025
a. New case	1161	1, 122	651
b. Previously treated case	0	0	0

B. Community Health Services

CRHSP, Ballabgarh provides community health services in Intensive Field Practice Area (IFPA) of 28 villages through a network of two Primary Health Centres (Dayalpur and Chhainsa), and 12 sub centres. Domiciliary, outpatient, inpatient, and referral services are provided in the IFPA. Important demographic indicators for the IFPA for year (2023-2024) were as follows:

Indicator	2022-2023	2023-2024	2024-2025
Population	106, 646	1, 04, 053	1, 05, 163
Birth Rate per 1, 000 population	18.5	16.4	16.0
Death Rate per 1, 000 population	6.7	6.1	6.9
Sex ratio at Birth (females per 1, 000 males)	832	887.8	870
Infant mortality rate per 1, 000 live births	28.8	20.6	25.6
Under 5 mortality rate per 1, 000 live births	32.7	25.7	27.5

1. OPD Services in Intensive Field Practice Area: This includes health care services provided at OPD of the PHC, as well as the OPD of the Extended Health Clinics, that are conducted at each of the villages of IPHA

PHC Chhainsa			
OPD services	**2022-2023**	**2023-2024**	**2024-2025**
New Cases	19164	20609	18641
Repeat Visits	15564	13805	30953
Total	38333	34414	48594

PHC Dayalpur			
OPD services	**2022-2023**	**2023-24**	**2024-2025**
New Cases	23697	23119	19448
Repeat Visits	22769	18290	15128
Total	46466	41409	34576

Total No. of AYUSH OPD Patients registered at PHC Dayalpur: 10,555
(There is no AYUSH OPD at PHC Chhainsa)

2. Inpatient Services provided at the PHCs:

PHC	2024-25	2023-24	2022-23
Dayalpur	380	448	489
Chhainsa	436	470	782
Total	**816**	**918**	**1271**

3. Emergency Services at PHCs:

PHC	2024-2025	2023-2024	2022-2023
Dayalpur	12, 178	15254	14668
Chhainsa	3, 724	5084	4685
Total	**15, 902**	**20338**	**19, 353**

4. Family Welfare and Maternal Child Health

The following services are provided as per the guidelines of National Health Mission

Indicator	2022-2023	2023-2024	2024-2025
Total antenatal registration	2, 218	1965	1850
Complete TT coverage of registered cases (%)	90.5	91.7	87.5
Percentage of Institutional delivery in IFPA	98.6	90.2	99.2
PHC Chhainsa (%)	99.2	83.7	99.5
PHC Dayalpur (%)	98.0	96.9	98.9
Total deliveries in delivery huts at the PHCs	**576**	**459**	**410**
PHC Chhainsa	312	235	220
PHC Dayalpur	264	224	190

5. Other National Health Programmes

National Vector Borne Disease Control Programme: Collection of blood slides are done as a part of passive surveillance in OPD and as active surveillance during domiciliary visits in the IFPA.

PHC Chhainsa			
Indicator	**2022-2023**	**2023-2024**	**2024-2025**
Total number of malaria slides tested	8047	4885	5701
Total number of positive cases	0	0	0
Annual Parasite Incidence (per 1, 000 population)	0	0	0
Annual Blood Examination rate (%)	15.4	9.39	10.9
Slide Positivity Rate (%)	0	0	0

PHC Dayalpur			
Indicator	**2022-2023**	**2023-2024**	**2024-2025**
Total number of malaria slides tested	3744	3040	3899
Total number of positive cases	0	0	0
Annual Parasite Incidence (per 1, 000 population)	0	0	0
Annual Blood Examination rate (%)	6.86	5.9	7.4%
Slide Positivity Rate (%)	0	0	0

National Tuberculosis Elimination Programme: The National Tuberculosis Elimination Programme is carried out in the IFPA according to national guidelines. Dayalpur PHC has been designated as a Microscopy Centre and caters to all villages under the IFPA. Tuberculosis patients treated in the IFPA (category wise) is as follows:

PHC Chhainsa			
Indicator	**2022-2023**	**2023-24**	**2024-2025**
Total number of patients started on treatment	172	117	120
New Cases	121	97	95

PHC Dayalpur			
Indicator	**2022-2023**	**2023-24**	**2024-2025**
Total number of patients started on treatment	160	91	112
New Cases	137	67	96

National Programme for prevention & Control of Cancer, Diabetes, Cardiovascular Diseases & stroke (*NPCDCS*): Under this programme, opportunistic screening of patients in the OPD is done

PHC Chhainsa			
Indicator	**2022-2023**	**2023-24**	**2024-2025**
Total NCD screening done	637	3759	4072
Total diabetes diagnosed	125	237	303
Total Hypertensive diagnosed	321	411	366

PHC Dayalpur			
Indicator	**2022-2023**	**2023-24**	**2024-2025**
Total NCD screening done	4577	3288	3818
Total diabetes diagnosed	86	549	224
Total Hypertensive diagnosed	266	632	276

6. **Special services:** Out Reach Speciality OPD (ORSO) is a special activity conducted at each PHC where Senior Residents posted at SDH Ballabgarh attend the patients at PHCs on a weekly basis (every Tuesday). The services were started in June 2013. For the period, 1st April 2024 to 31st March 2025, the cases attended to at each PHC were as follows:

PHC Chhainsa			
Services	**2022-2023**	**2023-2024**	**2024-2025**
Gynaecology	487	176	63
Paediatrics	194	48	89
Ophthalmology	251	281	143
Psychiatry	91	90	52
Out Reach Speciality OPD (ORSO)* (Total)	**1023**	**595**	**347**

PHC Dayalpur			
Services	**2022-2023**	**2023-24**	**2024-2025**
Gynaecology	500	284	221
Paediatrics	292	202	126
Ophthalmology	575	467	241
Psychiatry	206	88	76
Out Reach Speciality OPD (ORSO)* (Total)	**1573**	**1041**	**664**

7. Animal Bite Management Clinic

PHC	2022-2023	2023-2024	2024-2025
Dayalpur	362	512	0
Chhainsa	579	560	150
Total	**941**	**1072**	**150**

8. Special services to pregnant women

PHC Chhainsa			
Special services	**2022-2023**	**2023-2024**	**2024-2025**
Pregnancy received IVIS	24	38	34
PPIUCD	27	17	15
High Risk Pregnancy Consultation (%)	40.2	39.1	56

PHC Dayalpur			
Special services	**2022-2023**	**2023-2024**	**2024-2025**
Pregnancy received IVIS	6	72	25
PPIUCD	80	13	63
High Risk Pregnancy Consultation (%)	38.4	36.6	35.8

9. IEC Activities

Health Talks: A total of 342 and 524 health talks were conducted in PHC Chhainsa and Dayalpur respectively. These health talks delivered by the nursing students, interns, resident doctors in the subcentres, PHC and in the community. The topics include Neonatal care and kangaroo mother care, Breast feeding and weaning, Antenatal care, high risk pregnancy, anaemia in pregnancy, importance of institutional delivery, Immunization, Malaria and Dengue, Tuberculosis, anaemia in

children, deworming, malnutrition in children, Vitamin-A deficiency, Diabetes, Hypertension, cancers, HIV/AIDS, accidents in children, personal hygiene, family planning methods, postnatal care and diet, care of newborn, adolescent health, menstrual hygiene, COVID-19, geriatric care, Mental health programme, etc.

10. Training activities

a. Training of IMNCI, high risk pregnancy, high risk infant, NCDs on multiple occasion to HW

b. Training of anaemia prophylaxis, diagnosis and treatment to HW

c. Training of staff nurse for infection prevention

d. Training of ASHA workers on leprosy, Deworming, Polio

e. Training of DTS workers for biomedical waste management and infection prevention

f. Fire safety training of all PHC worker

g. Training of PHC staff on NQAS preparedness

11. Special activities during financial year at PHCs

a. Screening for high-risk infants

b. Community based camp for malnourished children

c. T3 anaemia camp at all sub-centre and PHC to screen around 3000 beneficiaries

d. IPPI on 2 occasions

e. Special immunization week celebration at HRA, brick kiln on 4 occasions

f. Malnutrition screening drive done among all under-five children at all villages of PHC Chhainsa and PHC Dayalpur

g. Anaemia elimination month

h. Plantation drive (50 plants) by PHC and subcentre all staff

i. Short film shows at PHC campus on the diet and sanitation targeting young child and adolescent

j. Two Dental camp conducted in school

III. New initiative and Accolades

A. Newer initiative

- Virtual foundation stone laying of CHC Fatehpur Billoch by Prime Minister on 29th October 2024
- Development of new ward complex at SDH Ballabgarh is under progress. Plantation drive of 250 plants in CRHSP Ballabgarh under Mission LiFE under leadership of Dr (Professor) M Srinivas Director AIIMS on 15 October 2024
- Providing AYUSH formulations f to non-pregnant females for prevention of anaemia
- Integrating Yoga with at Health and Wellness Centre for management of Diabetes and other NCD
- Ayurvedic treatment in collaboration with AYUSH for cognitive disorders in elderly
- Initiative of house visits to provide rehabilitative care to patients with morbid conditions
- Installation Low intensity MRI Scanning services in collaboration with Department of Radiology AIIMS
- Established Cohort for Assessing impact of Air Pollution on Pregnancy and Early Childhood Development (APiPED Cohort)
- Tricog based ECG – Pilot proposal to develop a model for comprehensive management of cardiovascular diseases at Primary Health Care setting using Artificial Intelligence (AI)
- SWASSA app – Cough sounds based diagnosis of COPD using Artificial Intelligence (AI)
- High risk infant data base: identification, follow up and intervention
- Dietary supplement in terms of food packet (250gm Jaggery + 200gm chana) once in a month to all ANCs and once in a week to all malnourished ANC
- Dietary supplement in terms of food packet (250gm Jaggery + 200gm chana) once in a month to all children who are in severe undernutrition.

B. Accolades

- **Kayakalp:** Both PHC Chhainsa and PHC Dayalpur received Kayakalp certification.
- **National Quality Assurance Standards:** Both PHC Chhainsa and PHC Dayalpur are NQAS certified.

Urban Health Programme

The field practice area of the Urban Health Programme, Centre for Community Medicine is located at Dakshinpuri Extension, Dr Ambedkar Nagar in South Delhi, consisting of Blocks 1-7, 14, 15, 19, Subhash camp, Dakhshinpuri catering to a population of around **38, 902**. Patient care services are provided at the Urban Health Centre.

4.3.1. Clinical Services

	Activities	**Number**
OPD	Total no of patients seen (including immunization)	22579
Laboratory services	Total Lab Tests	9232
	No. of Haemoglobin (Hb) tests Conducted	2532
	Of which numbers having Hb. <7 gm%	85
	Of which numbers having Hb. <11gm%	1121
	Blood Sugar-FBS, RBS, PPS	6109
	Urine albumin and sugar tested	203
	UPT	63
	RDT for Malaria	21
	Blood group	43

4.3.2. Child Health services

Number of immunization sessions held – 101 days

BCG	23
Pentavalent 1	211
Pentavalent 2	210
Pentavalent 3	208
OPV 0 dose(birth dose)	09
OPV1	211
OPV2	210
OPV3	210
Hepatitis-B (Birth dose)	0
Inactivated IPV 1	211
Inactivated IPV 2	211
Inactivated IPV 3	239
Rotavirus 1	211
Rotavirus 2	210
Rotavirus 3	211
PCV 1	211
PCV 2	211
PCV Booster	240
MR-1	246

Immunization after 12 months	
MR-2 (16-24 months)	168
DPT I	01
DPT II	03
DPT III	02
MMR	114
DPT / OPV Booster 1	269
DPT Booster 2	297
Typhoid Vaccine	252
Td-10 years	286
Td- 16 years	104
Vitamin A Administered between 9 months and 5 years	224
Albendazole under 5 children	138
Number of severely underweight provided health checkup (0-5 yr)	68

4.3.3 Maternal Health Services

Antenatal Care	Total number of pregnant women seen in the Urban Health Centre	267
	Total No. of ANC registered within 1st trimester (within 12 W)	39
	Number of pregnant women given Td1	46
	Number of pregnant women given Td- 2	38
	Number of pregnant women given Td Booster	4
	Total number of pregnant women given 180 IFA / 360 calcium tablets	29
Post Natal care	Total No. of women receiving 1st post-partum checkup (48hours to 14 days)	226
Family Planning	No of Condoms distributed	315
	No of Oral contraceptive pill cycles distributed	5
	New RTI/ STI Cases Identified	27

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Kiran Goswami was Central Coordinating Team member INCLEN for ICMR funded project "Quality of intrapartum and immediate postpartum care of mothers and newborns: an implementation research to catalyze performance of LaQshya program in six districts of India· Expert for ICMR _NIV North Zone Capacity Building for virus disease outbreak and collaborative research · Member NTA UGC-NET Expert Committee Social Medicine and Community Health, Subject Expert NBE for FMGE· MD Thesis evaluation Gujarat University· MD Examiner –Gujarat University, NIHFW, AIIMS Jodhpur · MBBS Examiner- AIIMS Rajkot · Project Coordinator NSS Unit - Regular activities on awareness generation infield practice area and welfare of disadvantaged groups · Member Institute Ethics (PG) Committee · Subject Expert-Stakeholders meeting for Revision of the Education material/ course modules of the Six Courses of Distance Learning Cell (DLC), NIHFW from 21–22 May 2024.

Professor Anand Krishnan was Professor-in-charge Clinical Epidemiology Unit; Chairman, AIIMS Grievance Redressal Committee; Member, Dean's Research Committee ; Coordinator Fellowship in Evidence Based Medicine; Member Advisory Committee, CAPHER; Member Centre for Excellence in Artificial Intelligence in Health for Department of Education (AIIMS ND); Member, Centre for Excellent in Air Pollution and Health under NCDC; Head, AIIMS technical Support Unit for SRS-VA and the MINErVA Network; Member Independent Commission on Health of the Voluntary Health Association of India; Chairman, Local Research Advisory Committee, MRU AIIMS Gorakhpur; Member Research Advisory Committee, AIIMS Madurai, Chairperson, Institutional Ethics Committee, HRIDAY; Co-chairperson National Committee on HALE estimation for India, Member Project Selection Committee National Disease Modeling Centre Phase II; Member, School Board, School of Health Sciences, IGNOU; Member School Board, School of Medical Sciences, Hyderabad University;

Member, Centre Committee for Centre for Social Medicine and Community Health, JNU; Guest editor for a special issue on Influenza and Other Respiratory Viruses Disease and Economic Burden in Influenza and other Respiratory viruses Journal; Consulting Editor, WHO SE Asia Journal of Public Health ; Medical Sciences Editor, Current Sciences; Editor, Frontiers in Public Health; Head, WHO Collaborating Centre on Research and Capacity Building on Community-based NCD Prevention and Control; Member, UNDESA/WHO Technical Advisory Group (TAG) on COVID-19 Mortality Assessment; Member, WHO Working Group in Influenza Burden of Disease.

Professor Puneet Misra participated in various activities besides teaching and training of UG and PG students. He has been expert at various selection committees of faculty at various institutes. He has been task force member for ICMR, DST and MoHFW committees. He has acted as Professor In-charge of CRHSP Ballabgarh where around one tenth of total load of AIIMS patients have been taken care of. He has been invited for many health-related program at various TV channels and All India Radio. He was key note speaker at various conferences in India, USA and Thailand on subject of Integrative Medicine, Diabetes, rural health care and family medicine. One of His booklet on Yoga and Diabetes based on his community based research has been released by Minister to Govt of India, Dr Jitendra Singh and it is available for general public at DST website.

Professor Sanjay Kumar Rai Continuing as Hostel Superintendent of all the hostels of AIIMS, New Delhi. As a subject expert, assisted the Standing Selection Committees of University of Delhi, AIIMS Rishikesh, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, IGIMS Patna, Maharashtra University of Health Science Nashik, and Jammu & Kashmir Public Service Commission, Jammu for recruitment of various faculty positions in these institutions / university on July 27, 2024 at UCMS Delhi, September 28, 2024 at AIIMS Rishikesh, October 9, 2024 at RML Lucknow, November 13, 2024 at IGIMS Patna, December 2, 2024, and March 24, 2025 at Jammu respectively. Nominated by IGIMS Patna, Bihar as a member of the Board of Examiners for MD Community Medicine. As an external examiner conducted MD Community Medicine examination at IGIMS Patna from 27-28 January 2025. As a member of Supreme Court of India Constituted Medical Expert Team participated in several meetings of committee chaired by Hon'ble Ms. Justice Gita Mittal. Continuing as Nodal Person of NACO designated National Institute for HSS at AIIMS New Delhi to provide technical assistance for HIV Sentinel Surveillance (HSS) of entire country. Made numerous visits to several districts of Uttar Pradesh, Bihar, Jharkhand, West Bengal to support the ongoing HSS 2025 in these states. As a member of AIIMS Engineering Advisory Committee (EAC) participated in several engineering advisory committee meetings to streamline the working of engineering services. Member of the Technical Resource Group (TRG) of NACO, MoHFW, GoI on HIV Estimations in India and participated in several TRG meetings during 2024-2025. Nominated by Ministry of Health and Family Welfare, GOI as a non-official member of Empowered Programme Committee (EPC) which is an Executive Committee under National Health Mission (NHM). Nominated as Nodal Officer by Director, AIIMS New Delhi to facilitate the seamless operationalization of the MOU signed by Ministry of Health and Family Welfare, GoI, Ministry of Education. GoI, VC, BHU, Varanasi, and Director AIIMS New Delhi for transformation of IMS BHU to an AIIMS like institution.

Professor YS Kusuma Kumari was Member of the Scientific Advisory Committee (SAC) of ICMR-National Institute of Implementation Research on NCDs (NIIRNCD), Jodhpur. Member of the ICMR National Health Research Priority Implementation Research project -EQUIP-HWCs (Equitable, Quality Universal health coverage Implementation research Project for optimizing comprehensive primary health care through Health and Wellness Centres and PI of the Andhra Pradesh site. Expert Member for CD Division, ICMR, New Delhi. Member of "NCD Risk Factor Collaboration (NCD-RisC)" - a network of scientists around the world that provides rigorous and timely data on risk factors for non-communicable diseases (NCDs). Member of MiHSA (Migration Health South Asia) Network - an evolving network involving key scholars and practitioners in research and policy institutions in South Asia and the UK. Served as an editorial member for the journal - Studies on Ethno-Medicine; served as a reviewer to journals, namely, BMJ Public Health, Child Care in Practice, Cureus, Indian Journal of Medical Research, Journal of Migration and Health, Journal of Public Health, Health Science Reports, Public Health, Tropical Medicine and International Health, Vaccines. Served as PhD and MD theses adjudicator to Jawaharlal Nehru University, New Delhi, GITAM University, Visakhapatnam, and B P Koirala Institute of Health Sciences, Dharan, Nepal.

Professor Kapil Yadav was Member of the expert Committee on use of injection FCM in pregnancy for "Anemia Mukt. Bharat" by Ministry of Health and Family Welfare, GoI· Focal Point for "National Centre of Excellence and Advanced Research on Anemia Control (NCEAR-A)", Ministry of Health and Family Welfare, GoI.

Professor Sumit Malhotra was Member of the working committee of Clinical Research Unit (CRU) under Research Section, AIIMS, New Delhi; member of the affiliate centre of Cochrane India Network at AIIMS; member of the ICMR advanced centre for clinical trials; teaching member of fellowship programme for AIIMS faculty on clinical research methodology and evidence-based medicine; member of the Clinical Epidemiology Unit (CEU) at AIIMS, Delhi. Member of AIIMS technical Support Unit for SRS-VA and the MINErVA Network. Resource person for the Operational and Health Systems Research module of IAPSM (Indian Association of Preventive and Social Medicine) research methodology course. Organizing team member for 5th IAPSM National Young Leaders Conclave held at AIIMS, Delhi. Working group member

of the AIIMS journal- National Medical Journal of India. Expert member for developing ICMR simplified workflows for community health officers in primary care in adolescent health. Expert member for developing evidence-based guidelines on lung cancer, constituted by the Department of Health Research (DHR) and the Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India. Expert member for reviewing proposals related to adolescent health, in a committee constituted by the Indian Council of Medical Research. MBBS Examiner for University College of Medical Sciences, New Delhi. Examined MPH thesis for PGIMER Chandigarh and MD thesis for Delhi University.

Professor Ravneet Kaur was Member of project review committee for supporting research activities in Multidisciplinary Research Units in Government Medical Colleges (MRUs) and Model Rural Health Research Units (MRHRUs) in States" under the PM-ABHIM scheme of the ICMR. Member of Project Review Committee of ICMR for Extramural Ad-hoc Research Program and Senior Research Fellow/ Research Associate (SRF/RA) program. Member of the expert group of the Indian Council of Medical Research (ICMR) for developing workflows for care during pregnancy and childbirth for Community Health Officers (CHOs) under the Ayushman Bharat Program. Member of course writer's committee of Indira Gandhi National Open University (IGNOU) for Post-Graduate Diploma in Environmental and Occupational health, and MBA (Health Care and Hospital Management) (MBAHCHM). Faculty for SET (Skill, e-learning and Telemedicine) facility of AIIMS. Developed skill-based modules for undergraduates and interns. Member of the National Centre of Excellence and Advanced Research on Anaemia Control (NCEAR –A). Member of the AIIMS Technical Support Unit for the Office of Registrar General of India (ORGI) in implementing the SRS based verbal autopsy system for ascertaining cause of death in India (Ministry of Home Affairs, Government of India). Member of the National working group of IAPSM (Indian Association of Preventive and Social Medicine) on MIYCN (Maternal, Infant & Young Child Nutrition). Executive member of the Delhi Branch of the Indian Association of Preventive and Social Medicine (IAPSM). Reviewer of National and International journals (Indian Journal of Community Medicine, Indian Paediatrics, National Medical Journal of India, Medical Journal Armed Forces of India, The Clinical; Teacher, Global Health Research and Policy, BMJ Open, Indian Journal of Medical Research, Indian Journal of Public Health, Journal of Post graduate Medicine).

Dr Harshal Ramesh Salve was Elected Governing Council member (North – Central Zone) Indian Association of Preventive and Social Medicine (IAPSM) · Co-ordinator for Collaborative for Air Pollution and Health Effects Research in India (CAPHER – India), Supported by Health Effects Institute (HEI), Boston, USA · Course co-ordinator- AIIMS – PGIMER Course on Public health approaches for Non-Communicable Diseases · Member - International Society for Environmental Epidemiology (ISEE), Epidemiology Foundation of India, Indian Association of Preventive and Social Medicine (IAPSM), Indian Public Health Association (IPHA) · Managing editor of "Air Health Bulletin" by CAPHER India · Guest Editor of Atmospheric Environment X: Special issue on India · Section editor (Environment Health) – Preventive Medicine, Research and Review · Faculty Member of- AIIMS Technical Support Unit (ATSU) of MINErVA Supported by Registrar General of India, Mininsty of Home Affairs, GoI; Clinical Epidemiology Unit (CEU), AIIMS New Delhi· Expert faculty at Heat-Health National Level Capacity Building Workshop & Conclave organized by National Institute of Disaster Management Delhi – March 2025; Round table meeting on Air Quality and health, organized by IIT Delhi at IIT Delhi -March 2025; Panel discussion on Impact of climate Change on Chronic Lung Diseases, in 2nd International Patient Summit orgnised by Patient Academy for Innovation and Research, Delhi – March 2025; 10th International Course Public Health Approaches to Noncommunicable Diseases 2025; Assessment of Emergency response and TB screening services at Mahakumbh – 2025, Prayagraj - February 2025; Health Camp organized under Indraprashth Seva Yatra by NMO Delhi - January 2025; MINErVA Network Partner Meeting at AIIMS, New Delhi – December 2024; MINErVA Technical Advisory Group Meeting at ICMR, New Delhi – December 2024; Expert group Meeting on Surveillance and data management on Air Pollution and health, organized by NCDC, MOHFW (virtual) – December 2024; Master Training Workshop under National Mental Health Survey – 2 – NIMHANS, Bengaluru – November 2025; International Workshop of Establishing a Regional Consortium of Human Health Impacts of Excessive Heat and Air Pollution in Southeast, South and East Asia, NTU, Singapore – October 2024; Annual Meeting of Voluntary Health Association of India – October 2024; 2nd National Health Conference on Nutrition and Health 2024 (Virtual) – September 2024; 4th State conference of Indian Association of Preventive and Social Medicine- Karnataka State Chapter, Davangere, Karnataka – September 2024; Indian HDSS Network Meeting - Ballabgarh, AIIMS - September 2024; XXVII Annual Conference of North Zone Chapter of Indian Association of Preventive & Social Medicine NZIAPSMCON -2024; 36th Annual Conference of International Society for Environmental Epidemiology (ISEE), Chile (Virtual) – August 2024; Governing Council Meeting of Indian Association of Preventive & Social Medicine, Bengaluru – August 2024; Expert group Meeting of revision of National Ambient Air Quality Standards by CPCB, MOEF&CC (Virtual) – July 2024; International Society of Environmental Epidemiology Asian and Western Pacific Chapter (ISEE-AWPC) & International Society for Exposure Science Asian Chapter (ISES-AC) Joint Conference 2024, Kota Kinabalu, Sabah Malaysia – June 2024. Carried out advocacy regarding major public health issues in India through television and print media.

Dr Rakesh Kumar was a member of various expert committee of Central TB Division, Ministry of Health and Family Welfare, Govt. of India and Project Review Committee of Indian Council of Medical Research for extramural *adhoc* research. He is reviewer for American Journal of Tropical medicine and Hygiene, Transactions of the Royal Society of Tropical Medicine and Health, Tropical Medicine and International Health, Indian Journal of Public Health, and The

Journal of Obstetrics and Gynaecology of India. He is a nodal officer (public health) of Tuberculosis Core Committee at AIIMS, New Delhi.

Dr Partha Haldar was Member of the Technical Resource Group for Viral Hepatitis Surveillance in India, Member Expert Working Group for Estimating Burden of Viral Hepatitis in India; Member Technical Working Group on Integrated Digital Platform on One Health, constituted by the National Center for Disease Control (NCDC), Ministry of Health and Family Welfare, Government of India. Member, Research Committee of Centre for Integrative Medicine and Research, AIIMS, New Delhi; Member Clinical Epidemiology Unit of AIIMS New Delhi. Member faculty- fellowship program for AIIMS faculty-members on clinical research methodology and evidence-based medicine. External Examiner for MD thesis evaluation for B.P. Koirala Institute of Health Sciences, Nepal, NEIGRHIMS Shillong. NIHFW New Delhi and for MPH dissertation evaluation of National Institute of Epidemiology, Chennai. Reviewer of International peer reviewed journals- Stroke and Vascular Neurology, Medicine, Journal of Public Health Research, BMJ, The Cleft Palate Craniofacial Journal, Sexual Health, International Journal of Adolescent Medicine and Health, Indian Journal of Medical Research, Expert Review of Hematology, Neurological Research.

Dr Mohan Lal Bairwa is an Editorial Board Member of Frontiers in Public Health and BMC Public Health. He is a faculty SET (Skill, e-learning, and Telemedicine) facility of AIIMS, National Centre of Excellence and Advanced Research on Anemia Control (NCEAR-A –A), AIIMS Technical Support Unit for SRS-VA, and a Member of the Board of Studies at IIHMR University. Examined MPH theses of JIPMER Puducherry and MD thesis of BP KIHS, Dharan.

Dr Manya Prasad received the Bruce Schoenberg International award in Neuroepidemiology and Global health by American Academy of Neurology, 2025.

9.9 Dermatology and Venereology

Professor and Head, Dean (Academic)

Kaushal K Verma

Professors

M Ramam
G Sethuraman
Sujay Khandpur
Somesh Gupta

Additional Professors

Kanika Sahni
Neetu Bhari

Associate Professor

Vishal Gupta

Assistant Professors

Neha Taneja
Rajat

HIGHLIGHTS

Prof Kaushal Verma, Head, the Department of Dermatology and Venerology is holding position of Dean (Academic) of the AIIMS, New Delhi. Under his leadership, regular departmental meetings were held to identify lacuna and scope of improvement in the department's teaching, research, and patient care. In collaboration with the department of microbiology, we have improved our routine practices to improve aseptic protection in inpatient and surgical areas. Consultants of department have been selected at key positions at national level like editor in chief of IJDVL, Chair of the National Working Group for Review and Revision of Technical and operational guidelines of STI/RTI for NACO.

Patient care:

Department runs an OPD for patients with skin diseases, STIs & leprosy, performs dermatosurgical procedures & reviews of skin biopsies daily. In addition, we run 8 specialty clinics, 4 laser clinics & daily minor operation theatre procedures including excisions, radiofrequency, cryotherapy, grafting, fat transfer procedures and vitiligo surgery. We have continued to provide teleconsultation services. We have a 29-bed ward, with almost 100% occupancy, & 6 6-bedded daycare where we admit patients to administer intravenous steroid pulse & biological drugs for serious illnesses like pemphigus and other connective tissue diseases.

In collaboration with the pathology department, plastic and reconstruction surgery, oculoplasty, we regularly perform Mohs micrographic surgery for various skin cancers at our facility of Mohs micrographic surgery.

Education and training:

Department is training 28 junior residents, 10+3 (recruited at CAPFIMS) senior residents, 3 PhD candidates & undergraduate students and training residents from the Departments of Medicine, Emergency Medicine, Infectious Diseases.

Research:

The Department faculty has received several extramural and intramural grants for research and published more than 100 papers in high-index, peer-reviewed journals, and delivered more than 80 lectures including orations & guest lectures at national & international conferences. The faculty also edited several textbooks including the Artificial Intelligence in Dermatology, ICP-Monograph on Infectious diseases.

Community activities:

- Department faculty have participated in various social media programs on radio & television. Faculty also participated in a Charitable Medical Camp at Mondgod, Karnataka 23-25 March 2025.

- Department has organized a public lecture and panel discussion on "Vitiligo (Leukoderma): Myths vs Reality" to create community awareness on vitiligo on 13 August 2024.
- Department also organized a press meet in January 2025 on Rare diseases. It helped to create awareness about diagnosis, treatment, and governmental programs regarding the management of rare diseases.
- The Department continues to provide outreach Dermatology services to both CRHSP Ballabhgarh and NCI Jhajjar.

EDUCATION

The department is actively involved in training undergraduates, postgraduates, senior resident, PhD students and nursing students.

	2022-23	2023-24	2024-25
No of Senior Residents	**10**	**10**	**10+3***
No of postgraduates	**25**	**28**	**28**
No of PhD students	**3**	**3**	**3**
No of Short term trainees	**1**	**3**	**1**

***candidates selected under CAPFIMS but working AIIMS, New Delhi**

CMEs/Workshops/Symposia/National and International Conferences

1. 4th Joint AIIMS-PGIMER Dermatology meeting on 18 January 2025 at JLN auditorium, AIIMS New Delhi.
2. CME on Rare Dermatological disorder on 19 January 2025 at JLN auditorium, AIIMS New Delhi.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 99

Kaushal K Verma: 9	**M Ramam: 10**	**Sujay Khandpur: 13**
Somesh Gupta: 13	**G Sethuraman: 4**	**Kanika Sahni: 12**
Neetu Bhari: 11	**Neha Taneja: 15**	**Rajat: 1**
Vishal Gupta: 11		

Kaushal K Verma

1. Recent advances in the management of contact allergy, 18th Annual Conference of SODVELON, 05-06 April 2024, Pokhara, Nepal
2. Can radioisotope cure keloids!, 8th Continental Congress of Dermatology, 23-25 May 2025, Wroclaw, Poland
3. Cutaneous tuberculosis and Leishmaniasis, University of Michigan, USA (Symposium/Event), 27-28 June 2024, Michigan, USA
4. Challenges in the management of STIs in South Asia, 25th IUSTI World Congress, 17-20 September 2024, Sydney, Australia
5. Challenges in the management of STIs in India, Dermazone West & 29th Annual Cuticon MP of IADVL, 26-27 October 2024, Indore, MP, India
6. Photodermatoses and Role of Sunscreens, XXII Dermazone East and XVII Cuticon, 08-10 November 2024, Assam, India
7. Newer agents in the treatment of Contact Dermatitis, 53rd National Conference of IADVL (DERMACON-2025), 7-9 February 2025, Jaipur, India
8. Newer Diagnostic Tools in Contact Dermatitis, 49th Dermatological Society of Thailand Annual Meeting, 19-20 March 2025, Bangkok, Thailand
9. Newer Diagnostic Tools in Diagnosing Contact Dermatitis, 19th Annual Conference of SODVELON, 28-29 March 2025, Kathmandu, Nepal

M Ramam

1. Unravelling the mystery of epidernuc acute pnctate pigmentation:a joint Indo-Polish effort, 8th Continental Congress of Dermatology 5, 23-25 May 2024, Wroclaw, Poland
2. Leprosy, IAP-Thailand Annual Meeting 2024, 13-15 November 2024, Bangkok, Thailand
2. Tuberculosis, IAP-Thailand Annual Meeting 2024, 13-15 November 2024, Bangkok, Thailand
3. What's new in cutaneous Infections, The XLIII Symposium of the International Society of Dermatopathology/44th ASM of the Australasian Dermatopathology Society (ADS), 5-7 September 2024, Queenstown, New Zealand.
4. Clinico Pathological Correlation in Pigmentary Disorders. 26th Regional Conference of Dermatology 2024, 2-5 October 2024, Kuala Lumpur, Malaysia
5. Measuring and managing the Psycho-social impact of Vitiligo, The XXII Dermazone East and XVII Cuticon Manipur, 8-10 November 2024, Assam, Manipur
6. Measuring and Managing the Psycho-Social impact of Skin Disease, 2nd Annual Conference of Psychodermatology Association of India from 6-7 December 2024, PGIMER, Chandigarh
7. More Conjectures and Clues, 7th Annual Meeting of the Dermatopathology Society of India, 3-5 January 2025, GIMSER, Visakhapatnam
8. Mimics of Leprosy, World Leprosy Day and World Neglected Tropical disease Day Webinar, 30 January 2025, New Delhi
9. The Art of Interpreting Conjectures and Clues and The Micropapular Diagnostic Journey. 6th DIAD-DIAL Meeting, 14-16 February 2025, Dubai, UAE.
10. Skin and Mind connection: A Pharmacological and Mindful approach to common Psychocutaneous disorders, The Open house Clinical Dermatology Conclave, 8-9 March 2025, New Delhi

Sujay Khandpur

1. Connective Tissue Diseases, DAAS Summit, 6 July 2024, New Delhi
2. Newer diagnostic modalities in Immuno Bullous Diseases, SIG Dermatopathology IADVL, 12 July 2024, Online
3. Vitiligo, AIIMS, 13 August 2024, New Delhi
4. Home based Phototherapy in Dermatology, Mid Dermacon IADVL, 13-14 September 2024, Ranchi
5. Histopathology of Vasculitis, Dermazone North, 6 October 2024, New Delhi
6. How we manage Pemphigus, International meeting of Pemphigus and Pemphigoid, 9-10 November 2024, PGI, Chandigarh
7. How we manage sub-epidermal bullous diseases, International meeting of Pemphigus and Pemphigoid, 9-10 November 2024, PGI, Chandigarh
8. Management of Vasculitis, Cuticon, Haryana Branch, 21 December 2024, Karnal
9. Management of Auto-immune bullous diseases, SAARC AAD conference, 17-18 December 2024, Mumbai
10. Differentiating Vasculopathy from Vasculitis, Dermatopathology Society of India Meeting, 3-5 January 2025, Visakhapatnam
11. Vasculitis and Vasculopathy, AIIMS PGI Meeting, 18-19 January 2025, New Delhi
12. How I diagnose Non-Cicatricial and cicatricial alopecias, FUE Conference, 15-18 March 2025, Delhi
13. Principles and clinical implications of diagnostic tests in photodermatology, CME on Photo-dermatology, 22 March 2025, Maulana Azad Medical College, New Delhi

Somesh Gupta

1. Recent advancement and foster collaboration for the advancement of dermatological sciences and patient care. Sixth Edition DermaMeDeCon International Dermatology Conference, 8-10 May 2024, Conrad, Dubai
2. Surgical Techniques and tips for treating vitiligo, Australasian College of Dermatologists Annual Scientific Meeting, 11-13 May 2024, Perth, Australia

3. Procedures in dermatology practice, 27th Annual Conference of CDSI, 2-4 August 2024, Mumbai
4. Surgical treatment of vascular lesions in children, ISPD National Conference 2024, 2-4 August 2024, Chennai
5. Management of Scars, 22nd Annual Conference of Association of Cutaneous Surgeons (I), 30 August-1 September 2024, Mahabalipuram, Chennai
6. Panel Discussion : Surgical management of vitiligo at difficult sites, 6th Biennial Conference of Pigmentary Disorders Society (PDS) of India, 21-22 September 2024, Mangalore, Karnataka
7. Management of acne scars, CUTICON 2024, 50th Annual Conferenc, 16-17 November 2024, Ludhiana, Punjab
8. Ai in Dermatology–Practice implications, CUTICON MH 2024 (IADVL), 22-24 November 2024, Mumbai
9. Advances in the surgical management of vitiligo, 43rd Annual IADVL AP State Conference, 30 November-1 December 2024, Andhra Pradesh
10. Existing Studies/Platforms/Local Systems that could be leveraged to track STI squeal and/or Prevalence, STI Burden Data Convening, 4-5 February 2025, London, UK
11. Panel Discussion on AI enabled healthcare training future ready Doctor, CME on AI in Medical Education, 20-21 December 2024, Armed Forces Medical College, Pune
12. Relieving the load–keloids: the laser advantage, India's First International Summit on Lasers, Energy-Based Devices, Rejenuvative & Regenerative Medicine at Sheraton Grand, 20-23 March 2025, Bengaluru, Karnataka
13. Office Procedures in Dermatosurgery, 19th Annual Conference of Dermatology(XIXSODVELONCON 2025), 28-29 March 2025, Nepal

G Sethuraman

1. Update on the Management of Infantile Hemangiomas, Annual Conference on Indian Society for Pediatric Dermatologists, 2-3 August 2024, Chennai
2. Recent Advances and Guidelines in Systemic Sclerosis Management, 4th Joint AIIMS PGIMER Dermatology Conference, 19 January 2025, AIIMS New Delhi
3. Molecular basis of congenital Ichthyosis, DERMACON 2025, 6-9 February 2025, Jaipur
4. Panel discussion moderator: Genodermatoses, DERMACON 2025, 6-9 February 2025, Jaipur

Neetu Bhari

1. Neutrophilic dermatosis, panel discussion, DAAS SUMMIT 2024, 5 July 2024, New Delhi
2. Challenging cases in Paediatric Dermatology, DAAS SUMMIT 2024, 5 July 2024, New Delhi
3. When Lab clinched the diagnosis in enigmatic cases, ASTICON 2024, 31 August 2024, New Delhi
4. Impact of biologics, biosimilars and small molecutes in atopic dermatitis, Dermazone North & annual cuticon DSB 2024, 4 October 2024, New Delhi
5. Update on pathogenesis in atopic dermatitis, Advanced insight in atopic dermatitis management, 13 October 2024, Sir Ganga Ram hospital, New Delhi
6. Role of skin microbiome in contact dermatitis, CODFICON 2024, 14 December 2024, Jaipur
7. Unravelling the complex phenotype of Xeroderma pigmentosum, CME on Rare Dermatologic Disorders: Latest updates and Insights, 18 January 2025, AIIMS, New Delhi
8. Understanding autoantibody profile in CTDs, 4th joint AIIMS-PGI dermatology meeting, 19 January 2025, AIIMS, New Delhi
9. Panel discussion: genodermatosis, Dermacon 2025, 7 February 2025, Jaipur
10. Panel discussion: Paraneoplastic dermatosis, Dermacon 2025, 7 February 2025, Jaipur
11. Panel discussion: case based discussion of pediatric vascular tumours and malformations, ISPD webinar on pediatric vascular dermatology, 15 February 2025, Online

Vishal Gupta

1. Recent advances in medical treatment of vitiligo, Derma Vykhyaa Webinar, 25 June 2024, Online

2. CAR-T cells in dermatology, 10th DAAS Summit, 5-7 July 2024, Delhi
3. Autoinflammatory syndromes–When to suspect? ISPD 2024, 2-4 August 2024, Chennai
4. Clinical and immunological predictors of relapse in pemphigus, International Pemphigus and Pemphigoid Foundation meeting, 29-31 August 2024, Thessaloniki, Greece
5. Impact of Biologics, biosimilars and small molecules in immunobullous disorders, DERMAZONE North, 4-6 October 2024, Delhi
6. Biologics use in dermatology, MID DERMACON 2024, 14-16 September 2024, Ranchi
7. Autoimmune blistering diseases in special populations, International Pemphigus and Pemphigoid Foundation Meeting, 9-10 November 2024, PGI, Chandigarh
8. Approach to Granulomatous Tissue Reaction, DSI Annual Meeting, 3-5 January 2025, Visakhapatnam, Andhra Pradesh
9. CART-cells in dermatology, DERMACON 2025, 6-9 February 2025, Jaipur
10. IJDVL Session: Navigating the process of getting published, DERMACON 2025, 6-9 February 2025, Jaipur
11. At the crossroads: Should we dump DCP for Rituximab in pemphigus? Open House Conclave, 8-9 March 2025, Delhi

Neha Taneja

1. Standardized dermoscopic terms in trichology and their pathological correlation, Basics of Dermoscopy and Beyond: Focus on the scalp and face, 21 July 2024, Delhi, India
2. SVF in regenerative trichology: A new horizon, FUE ASIA, Asean Regional Conference and Workshop, 23-24 August 2024, Bangkok, Thailand
3. Optimizing Local Anesthesia for hair transplantion: A clinical perspective, Mid-Derma Con, IADVL, 13-15 September 2024, Ranchi, India
4. JAK Inhibitors in Alopecia Areata! Recent updates, PACCD, Philippine Academy of Clinical and Cosmetic Dermatology, 3-5 October 2024, Philippines
5. A Look at the New Treatments for Vitiligo, PACCD, Philippine Academy of Clinical and Cosmetic Dermatology, 3-5 October 2024, Philippines
6. Trichoscopy in evaluation of non-cicatricial alopecias, Dermazone North, IADVL DSB, 4-6 October 2024, Delhi, India
7. Small surgical procedures in day-to-day practice, Cuticon, Haryana State Branch, 21-22 December 2024, Karnal, Haryana, India
8. Primary immunodeficiency disorders, 4th joint Aiims (Delhi) – Pgimer (Chandigarh) Dermatology meeting and CME on Rare Dermatologic Disorders: Latest Updates and Insights, 18-19 January 2025, Delhi, India
9. Graft extraction & graft placement-Planning for optimal hair transplantation, Derma Con, IADVL, 6-9 February 2025, Jaipur, Rajasthan, India
10. Introduction to dermatosurgery including instruments, Derma Con, IADVL, 6-9 February 2025, Jaipur, Rajasthan, India
11. Pathophysiology of Keloids & how to prevent keloid formation, Derma Con, IADVL, 6-9 February 2025, Jaipur, Rajasthan, India
12. Surgical Approach to Acne Scars, CME on What's new in Dermatology and Dermatosurgery, 22 February 2025, Ludhiana, Punjab, India
13. What's New in Nail Surgery, CME on What's new in Dermatology and Dermatosurgery, 22 February 2025, Ludhiana, Punjab, India
14. Optimizing Local Anesthesia Techniques for Hair Transplantation, 3rd FUE ASIA World Congress, 2025, 14-17 March 2025, Delhi, India
15. SVF therapy in hairloss, Haircon, 15th Annual Conference of AHRS, 4-6 April 2025, Srinagar, India

Rajat

1. Will AI replace dermatologist? Dermazone north, IADVL, 4-6 October 2024, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
71	72	99

List of oral papers/posters presented: 7

1. Agarwal S, Ramam M, Khandpur S, Khaitan BK, Arawa S, Gupta V, Clinical, dermoscopic and hpe spectrum of facial granulomatous diseases and their clinical mimics, CUTICON Delhi 2024, 4, October 2024, Delhi 1
2. Arora V, Verma V, Bhari N, Arawa S, Beyond Cutaneous Xanthogranulomas: Recognising the existence of mixed histiocytosis, 4th Joint AIIMS PGI meeting, 18-, 19 January 2025, Delhi
3. Jain A, Gupta S, An observational phase clinical trial for intralesional Radio-frequency ablation in the treatment for slow flow vascular malformations, Dermacon 2025, 08 February 2025, Jaipur
4. Kumari L, Mehta N, Pandey S, Gupta V, Sahni K, Ramam M, Gupta S, Clinical Prognostic factors in non-segmental vitiligo-A scoping review, Dermacon 2025, 8 February 2025, Jaipur
5. Manandhar K, Ahuja R, Jain A, Gowda SK, Dr Bhari N, Sethuraman G, Mid-face toddler excoriation syndrome (MiTES): A comprehensive phenotypic analysis, 4th Joint AIIMS PGI meet, 18-, 19 January 2025, Delhi 2
6. Manandhar K, Ahuja R, Jain A, Gupta S, :Penile chancre: An STI or a mimic? Dermazone North 2024, 4-6 October 2024, Delhi
7. Shreya K, Sethuraman G, Cobblestone appearance of oral mucosa, AIIMS PGI meet 2024, 19 January 2025, AIIMS, New Delhi

1 First prize in oral paper presentation

2 Best poster award

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
5	7	7

RESEARCH

Ongoing

1. A prospective open label randomized study comparing the efficacy and safety of rituximab infusion (rheumatoid arthritis protocol) with oral steroid versus rituximab, oral steroid and oral immunosuppressant in pemphigus vulgaris, Dr. Sujay Khandpur, AIIMS, 2 Years, 2024-2026, Rs 5 Lakhs
2. Drug resistance in reactional vs non-reactional leprosy: a cross-sectional comparative study, Vishal Gupta, IADVL, 2 Years, 2024-2026, Rs 7.39 Lakhs
3. Therapeutic efficacy of ultra-low dose rituximab in pemphigus vulgaris: a pilot study, Vishal Gupta, AIIMS, 2 Years, 2023-2025, Rs 2 Lakhs
4. Development of metabolite-based point-of-care test for diagnosis of bacterial vaginosis in Indian women, Dr. Somesh Gupta, ICMR, 3 Years, 2023-2026, Rs 70 Lakhs
5. Aptamer-based diagnostic test for vulvovaginal candidiasis, Dr. Somesh Gupta, ICMR, 2.5 Years, 2023-2026, Rs 50 Lakhs
6. A multicenter, Global study to assess the efficacy of a Topical cream when used by children and adults with Atopic Dermatitis, Dr Somesh Gupta, MS Clinical Research, 1 Year, 2025-2026, Rs 60 Lakhs
7. Kusth care-AI powered detection, treatment and counselling for leprosy care and management in Indian patients, Dr Somesh Gupta, Ministry of Education, 4 Years, 2025-2029, Rs 400 Lakhs
8. Yaun Swasthya-AI powered detection, treatment and counselling for STI care and management in Indian patients, Dr. Somesh Gupta, Ministry of Education, 4 Years, 2025-2029, Rs 400 Lakhs

9. Development of transvaginal probe-based dermatoscope with automated AI-enabled decision support for detection of cancers and infection, Dr. Somesh Gupta, ICMR, 1 Year, 2025-2026, Rs 80 Lakhs
10. Morphological pattern of skin lesions in different complementation groups in children with xeroderma pigmentosum and its correlation with various cutaneous and extra-cutaneous cancers and photoaging, Dr Neetu Bhari, ICMR, 3 Years, 2022-2025, Rs 45.94 Lakhs
11. Defining the role of skin microbiome in modulating the skin microenvironment in children with atopic dermatitis, Dr Neetu Bhari, IADVL, 2 Years, 2023-2025, Rs 7.70 Lakhs

Completed

1. A randomized controlled trial to assess the effect of adding hypnoanaesthesia to existing standard anaesthetic technique in reducing pain and anxiety in children undergoing minor dermatosurgical procedures
2. A cross-sectional study to assess the quality of life impairment, in children and adolescents with vitiligo and their primary caregivers, and prevalence of depression, anxiety and low self-esteem in the affected children and adolescents as compared to healthy controls
3. A prospective cohort study to determine the prognostic factors in non-segmental vitiligo for development of a prognostic scoring system.
4. An ambispective descriptive study of histopathological spectrum of ILVEN
5. A pilot randomised double blinded comparative trial to evaluate the efficacy of topical tacrolimus versus placebo in the management of itch in patients with recessive dystrophic epidermolysis bullosa
6. An open label non-randomized non-inferiority study comparing two targeted phototherapy devices i.e. daily use of home-based hand-held narrow band UVB comb device versus twice weekly hospital-based excimer light therapy in treatment of localized vitiligo
7. Assessment of the efficacy of monochromatic excimer light therapy in producing repigmentation in residual patches of generalized vitiligo, post whole-body narrow band ultraviolet B therapy–an open-label, prospective study
8. Assessment of the efficacy of pulsed dye laser alone and in combination with long-pulsed Nd: YAG laser or topical sirolimus (0.5%) ointment in the treatment of hypertrophic facial portwine stains : a prospective, randomized, double-blind, placebo-controlled
9. Genomic Landscape to identify drivers of cancer progression in patients with xeroderma pigmentosum as compared to the sporadic skin tumors and determining their clinical and histological implications
10. Intra-individual, pilot study; an open label, prospective, non-randomized, non-inferiority study to compare the efficacy of twice weekly administered home-based puvasol soak therapy versus twice weekly administered hospital-based PUVAsoak therapy in palmoplantar psoriasis
11. Prospective randomized trial to compare efficacy and cost-effectiveness between rituximab therapy and dexamethasone pulse in pemphigus vulgaris
12. Randomised controlled assessor-blind trial to compare the efficacy of tofacitinib v/s methotrexate in patients with moderate to severe atopic dermatitis
13. To compare the utility of immunofluorescence techniques [direct and indirect immunofluorescence on salt-split skin], biochip mosaic assay and multiplex ELISA in the diagnosis of autoimmune bullous diseases–a prospective cross-sectional pilot study

Departmental projects (including thesis/dissertations)

Ongoing

1. A cross-sectional study to assess the quality of life impairment, in children and adolescents with vitiligo and their primary caregivers, and prevalence of depression, anxiety and low self-esteem in the affected children and adolescents as compared to healthy controls
2. A multi-centric project for the development of a machine learning based clinical decision support application for the diagnosis of fourteen common dermatological diseases
3. A pilot randomised double blinded comparative trial to evaluate the efficacy of topical tacrolimus versus placebo in the management of itch in patients with recessive dystrophic epidermolysis bullosa

4. A prospective cohort study to determine the prognostic factors in non-segmental vitiligo for development of a prognostic scoring system.
5. A prospective observational study to assess the quality of life, depression, anxiety and perceived stigma in dermatology inpatients and quality of life of their primary caregivers compared to outpatients.
6. A randomized controlled trial to assess the effect of adding hypnoanaesthesia to existing standard anaesthetic technique in reducing pain and anxiety in children undergoing minor dermatosurgical procedures
7. A randomized controlled trial to assess the effect of adding hypnoanaesthesia to existing standard anaesthetic technique in reducing pain and anxiety in children undergoing minor dermatosurgical procedures, as compared to standard anaesthetic technique alone
8. A Randomized, multicenter, double-blind, parallel group, three-arm, placebo-controlled trial to evaluate the bioequivalence of Tapinarof cream 1% of Mylan Laboratories Ltd versus VTAMA Tapinarof cream 1%, Dermavant Sciences Inc. using the clinical endpoint in patients with plaque psoriasis
9. An ambispective descriptive study of histopathological spectrum of ILVEN
10. An assessor-blinded, randomized controlled trial comparing the safety and efficacy of oral metformin with topical 4% hydroquinone versus topical 4% hydroquinone alone in the treatment of melasma in Indian skin types.
11. An open label non-randomized non-inferiority study comparing two targeted phototherapy devices i.e. daily use of home-based hand-held narrow band UVB comb device versus twice weekly hospital-based excimer light therapy in treatment of localized vitiligo
12. An open label randomised controlled trial comparing the efficacy of fractional co2 laser with topical triamcinolone versus micro needling Radiofrequency (MNRF) with topical triamcinolone in the treatment of keloids.
13. An open label randomized controlled trial comparing the efficacy of fractional CO2 laser with tropical triamcinolone versus micro needling radio-frequency (MNRF) with tropical triamcinolone in the treatment of keloids.
14. Aptamer based diagnostic test for vulvovaginal candidiasis.
15. Assessment of the efficacy of monochromatic excimer light therapy in producing repigmentation in residual patches of generalized vitiligo, post whole-body narrow band ultraviolet B therapy–an open-label, prospective study
16. Assessment of the efficacy of pulsed dye laser alone and in combination with long-pulsed Nd: YAG laser or topical sirolimus (0.5%) ointment in the treatment of hypertrophic facial portwine stains : a prospective, randomized, double-blind, placebo-controlled
17. Deep learning in prediction of cardio-metabolic syndrome from facial images of patients with chronic plaque psoriasis and development of a deep learning model for evaluation of psoriasis severity.
18. Efficacy and safety of oral sirolimus in vascular malformation: A prospective pilot assessor-blinded interventional study.
19. Evaluation of effectiveness and safety of oral tofacitinib in patients with Parthenium dermatitis
20. Evaluation of role of cyclophosphamide pulse therapy in maintaining remission following rituximab in patient with pemphigus vulgaris: a prospective observational study.
21. Evaluation of role of cyclophosphamide pulse therapy in maintaining remission following rituximab in patient with pemphigus vulgaris: a prospective observational study.
22. Genomic Landscape to identify drivers of cancer progression in patients with xeroderma pigmentosum as compared to the sporadic skin tumors and determining their clinical and histological implications
23. Intra-individual, pilot study; an open label, prospective, non-randomized, non-inferiority study to compare the efficacy of twice weekly administered home-based puvasol soak therapy versus twice weekly administered hospital-based PUVAsoak therapy in palmoplantar psoriasis
24. Prospective randomized trial to compare efficacy and cost-effectiveness between rituximab therapy and dexamethasone pulse in pemphigus vulgaris
25. Randomised controlled assessor-blind trial to compare the efficacy of tofacitinib v/s methotrexate in patients with moderate to severe atopic dermatitis
26. Therapeutic efficacy of ultra-low dose rituximab in pemphigus vulgaris: a pilot study

27. To compare the utility of immunofluorescence techniques [direct and indirect immunofluorescence on salt-split skin], biochip mosaic assay and multiplex ELISA in the diagnosis of autoimmune bullous diseases–a prospective cross-sectional pilot study
28. To evaluate patch test and skin prick test to elucidate the role of allergens in the occurrence of endogenous dermatitis: a prospective cohort study.

Completed

1. A cross-sectional descriptive study of clinical, dermoscopic and histopathological features of granulomatous skin lesions and their clinical mimics
2. A cross-sectional descriptive study to evaluate extracutaneous and systemic involvement in children and adults with inherited epidermolysis bullosa
3. An observational phase clinical trial for intralesional Radio-frequency ablation in the treatment for slow flow vascular malformations

Collaborative projects

Ongoing

1. Qualitative study on how patients with skin diseases are managed in non dermatology settings, Psychiatry, Biostatistics
2. Clinicopathological and immunohistochemical study of gli 1, p53 and ki67 in different subtypes of basal cell carcinoma, Pathology
3. An ambispective descriptive study of the histopathological spectrum of inflammatory linear verrucous epidermal nevus (ILVEN), Pathology
4. Development of a scale to measure the psychosocial impact of vitiligo in children. Psychiatry, Biostatistics
5. Expanded viral etiological investigation of genital ulcer disease with phenotyping and genotyping for antiviral drug resistance in herpes simplex viruses, Microbiology, AIIMS
6. Exploring SELEX technology for potential POCT development for Genital Chlamydia trachomatis, Microbiology, AIIMS
7. Point-of-care test development for Bacterial Vaginosis (BV): Bench to bedside (Clinical validation of proof-of-concept), Microbiology, AIIMS
8. Exploring the role of innate immunity in immunopathogenesis of pemphigus vulgaris, Biochemistry
9. Distorted frequency of dendritic cells and their associated stimulatory and inhibitory markers augment the pathogenesis of pemphigus vulgaris, Biochemistry
10. Clinicopathologic profile and treatment outcome in adult patients with inflammatory myopathies, Medicine

Completed

1. Patch testing with a textile dye mix without Disperse Orange 3 in the baseline series, International Contact Dermatitis Research Group (ICDRG) and Department of Occupational and Environmental Dermatology Skane University Hospital, Malmo, Sweden Departments of Nuclear Medicine and Dermatology & Venereology at AIIMS.
2. Qualitative study on perception of treatment response in vitiligo patients, Psychiatry, Biostatistics

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	13	10	11
Total funding	Rs 25.80 Lakhs	Rs 384.45 Lakhs	Rs 1428.03 Lakhs

Publications:

Journals: 72 **Chapters in Book: 02** **Books & Monographs: 02**

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**75**	**84**	**76**
Journal articles	59	64	72
Abstracts			
Chapters in books	16	20	2
Books	0	0	2

PATIENT CARE

Facilities available in the department:

a. Out-patient services: The Department runs an OPD for patients with skin diseases & STIs & HIV, performs dermatosurgery procedures & dermatopathology review of skin biopsies daily

b. Teledermatology: We have continued to provide teleconsultations daily, even after the physical OPD has become fully functional

c. Special clinics: Leprosy, photo dermatology & phototherapy, dermatosurgery, STDs, pigmentary disorders, psoriasis, pediatric dermatology, allergy clinic

d. Side-lab: KOH, gram stain, slit skin smear, Tzanck smear, patch & photo patch testing

e. Surgical procedures: Diagnostic & therapeutic biopsies, excisions, scar revision, excision of malignancies, vitiligo surgery

f. Aesthetic procedures: Peeling, microneedling, platelet rich plasma therapy, Microneedling Radiofrequency Ablation

g. Lasers : Hair removal laser (triple wavelength laser with diode, Nd-YAG and alaxendride laser), vascular (PDL) laser, ablative (CO2) lasers,

h. Phototherapy: UVA & NB-UVB chambers,

i. In-patient services: We have a 29 bedded ward, with almost 100% occupancy

j. Day care facility: We have 6-bedded day-care facility for administration of biologicals & steroid/cyclophospahsamide pulse therapy, & keeping postop patients under observation

Patient care ***(other items may be added/removed as per activity of department)***

Item	2022–2023	2023–2024	2024–2025
OPD consultations (New + follow up)	39067 + 56578	43395 + 79582	41423 + 80367
Special clinic consultations	10329	6750	3396
Patients provided rehabilitation services	-	-	-
Total inpatient admissions (long + short)	697 + 2199	995 + 1594	595 + 1164
Laboratory Investigations	4587	5124	5063

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Kaushal K Verma visited University of Michigan, as Visiting Professor and had meetings with Associate Dean and various Faculty members MoU and Research collaboration, on 27-28 June 2024, Michigan, USA. Visited University Colleges of Absalon and Copenhagen to see Denmark's Nursing centres at Copenhagen and Absalon, Denmark, 1-4 September 2024. Visiting Professor, University of Auckland, Aucland, 11-16 September 2024. Participated in a Multispecialty Medical Camp at Kavaratti & Androth ((L&M), Lakshadweep on 29-30 April 2024. Participated in a charitable medical camp at Kargil on 7-11 July 2024. Provided guidance on "Standardization of Academic Curriculam and Administrative matters at AIIMS, Bhubaneswar on 8th January 2025. Participated in the Deans' Conclave at SKIMS, Srinagar on 11-12 October 2025.

Professor Sujay Khandpur Editor-in-Chief elect of Indian Journal of Dermatology, Venereology and Leprology (IJDVL). President, Dermatopathology Society of India 2025. Member Education committee and executive committee member of Asian Society of Dermatopathology. Awarded best paper in 'Brief report' section of Indian Dermatology Online journal (IDOJ) and best letter in IJDVL 2024-2025.

Professor Somesh Gupta was invited Member of WHO-Technical Advisory Group (TAG)/ STI Research Priority Setting Advisory Group. Invited Member of WHO-STI Guideline Development Group. He was Chair of the National Working Group for Review and Revision of Technical and operational guidelines of STI/RTI for NACO. Received ICMR's First in the World Challenge grant in collaboration with IIITDM, Kancheepuram for our proposal on "Development of AI-assisted transvaginal dermatoscope". Principal Investigator for dermatology projects under the AI-Centre of Excellence, sponsored by Ministry of Education, Government of India. Convenor of IADVL Task Force on AI in Dermatology. Working with Ministry of Health and Wadhwani AI to create AI Dermatology solution for e-Sanjeevni. Published the first edited book on AI in Dermatology. I also serve as Joint Editor for Sexual Health, CSIRO, Australia.

Professor G Sethuraman was Elected as a Fellow of National Academy Sciences (NASI) Allahabad. Awarded Prof V N Sehgal award for Dermatology Excellence by IADVL. Elected as the Editor-in Chief for the IADVL Text Book of Pediatric Dermatology. It is reference text book for Indian Dermatologists with 70 chapters including 15 International authors from reputed universities. International Society for Pediatric Dermatology: Serving as the editorial board member for ISPD educational activities from 2024.

Dr Neetu Bhari was Organizing Secretary, 4th AIIMS-PGI Meeting, January 2024, New Delhi. She was Organizing Secretary, CME on rare dermatological disorders, January 2024, New Delhi. She was Treasurer, Dermatopathology society of India, 2025.

VISITING SCIENTIST

1. Dr. Manu Jain, Associate Attending in the Department of Dermatology, Memorial Sloan Kettering Cancer Centre (MSKCC), New York, USA delivered guest lecture on "Confocal microscopy" on 15 May 2024.
2. Professor Roni P Dodiuk-Gad, Vice-Head of the Dermatology Department at Emek Medical Center in Israel presented "Evolving perspective on Darier diseases, A 15 year Journey in Research and Patient care" on 21 January 2025.

9.10 Emergency Medicine

Professor and Head

Rakesh Yadav

Professor

Sanjeev Kumar Bhoi (TC)

Additional Professors

Nayer Jamshed
Akshay Kumar
Meera Ekka
Tej Prakash Sinha (TC)

Associate Professor

Prakash Ranjan Mishra

Assistant Professors

Vineeth Chandran (TC)
Ankit Kumar Sahu (TC)

HIGHLIGHTS

The Department of Emergency Medicine has been at the forefront of delivering comprehensive, round-the-clock, world-class emergency care to patients across a broad spectrum of needs, including medical, paediatric, surgical, trauma-related, and mass casualty incidents. Nearly 1,51,581 patients visited the department in the year 2024-25. With a strong commitment to excellence in education and clinical service, the department offers structured, rigorous training to postgraduate students specializing in Emergency Medicine. Over the years, it has produced highly skilled and competent emergency physicians who are now actively contributing to the advancement and dissemination of emergency medicine practices both within India and globally. Graduates from the department have consistently secured prestigious positions in renowned institutions across the country and abroad. They have also made significant contributions to academic research, producing high-quality theses and publishing their findings in esteemed international journals.

To enhance practical training, the department has conceptualized, developed, and successfully implemented several skill-based courses. These include the ‘Emergency ECG Course, ‘Emergency ABG Workshop, ’ ‘Emergency Ultrasound Course,’ ‘Difficult Airway Course,’ ‘Simulation-Based Training Course,’ and ‘Bedside Procedural Skill Development Course.’ These courses are conducted regularly and have become an integral part of the postgraduate curriculum. In addition to training its own students, the departmental faculty plays a pivotal role in educating and mentoring postgraduates from other disciplines such as General Medicine, Surgery, Geriatric Medicine, Anaesthesiology and Critical Care, Dermatology, Palliative Medicine and Psychiatry. They also actively engage in the training of undergraduate medical students, nursing personnel, and paramedical staff, especially in core areas like emergency care and life support techniques. As part of the AIIMS Quality Improvement Programme, the department has launched several patient-centric initiatives aimed at enhancing care delivery and outcomes. These efforts have notably contributed to reducing patient length of stay and optimizing resource utilization.

The department has also emerged as a national leader in capacity building for Emergency Medicine. It is actively involved in training current and future faculty members from various medical colleges and healthcare institutions across India. Under the aegis of the Ministry of Health and Family Welfare, the department has contributed to the formulation of national guidelines for comprehensive primary health care, especially in the context of burns, trauma management, and the functioning of Emergency Departments at district hospitals. Furthermore, the department provides mentorship to other medical colleges for the development of academic Emergency Medicine departments and postgraduate training programs. In collaboration with the World Health Organization (WHO), South-East Asia Region, the department is also working on key initiatives related to road safety, injury prevention, and the improvement and integration of emergency and trauma care services in India and neighbouring countries.

On the international front, the department maintains active collaborations with multiple universities around the world, focusing on capacity building through the training of physicians, nurses, and paramedics. The faculty has also played a crucial role in national preparedness by contributing to the development of operational guidelines for emergency and trauma care at primary and secondary healthcare facilities, as well as designing modules for hospital preparedness in mass casualty situations.

EDUCATION

The faculty of the Department of Emergency Medicine has been instrumental in organizing and delivering a wide range of life support courses tailored for undergraduate students, postgraduate trainees, and nursing staff posted in the department. These training sessions have also extended their benefits to residents from various other specialties across the institute, thereby promoting a multidisciplinary approach to emergency care. In addition to life support training, the department has conducted specialized courses such as Emergency Electrocardiography (ECG), Emergency Sonography and also launched a new workshop on Arterial Blood Gas (ABG) interpretation. These programs have been made available not only to postgraduate residents within the institute but also to trainees from other medical colleges, furthering the department's commitment to academic outreach and capacity building in emergency medicine education.

A robust and structured academic schedule is maintained for residents in Emergency Medicine, encompassing approximately eleven hours per week. This includes a variety of learning activities such as seminars, journal clubs, clinical case discussions, interdisciplinary panel discussions, point-of-care ultrasound (POCUS) grand rounds, and quality improvement meetings. These sessions are designed to foster critical thinking, evidence-based practice, and inter-professional collaboration. Beyond clinical and skill-based training, the department has remained actively involved in didactic teaching through lectures and seminars for undergraduates, postgraduates, and nursing students. These sessions have been delivered in both offline and online formats, ensuring uninterrupted learning during challenging times.

The department places a strong emphasis on hands-on skill development, particularly in life-saving emergency interventions. Residents are trained in both basic and advanced procedures essential for acute care management. Simulation-based teaching-utilizing both table top exercises and simulators-is a core component of the training strategy, enabling residents to practice complex scenarios in a controlled environment. To enhance procedural confidence and clinical competence, the department regularly conducts live workshops, cadaver-based skill training sessions, and hands-on procedural workshops. These initiatives have significantly contributed to the preparedness and confidence of residents in managing real-world emergency situations.

Faculty members from the department have also played a significant role in the development of electronic learning modules (e-modules) for the Simulation and Education Technology (SET) facility within the institute. These modules aim to standardize and simplify the dissemination of clinical knowledge, offering students a more interactive and practical mode of learning.

Faculty have also contributed to academic enrichment at national and international platforms by participating in and presenting at various workshops, conferences, and symposia. During the current reporting period, the department demonstrated a strong academic output, with approximately 30 publications in reputed, peer-reviewed, indexed journals and around 21 oral papers and poster presentations in various conferences-reflecting its ongoing commitment to high-quality research and scholarly excellence.

Academic Course/ Degree	Number of Students
M.D. Emergency Medicine	48

CMEs/Workshops/Symposia/National and International Conferences

1. Champions of Change-Basic emergency management course for medical officers from Ladakh**,** 22-25 April 2024**,** New Delhi
2. Training for doctors under Indian Institute of Public Health (IIPH), 2 August 2024, New Delhi
3. Emergency Skill Workshop: Basic and advanced airway skills, 31 August 2024, New Delhi
4. AIIMS Paramedic Training: Approach to a Patient in Triage, 3 September 2024, New Delhi
5. Master the mystery: Blood gas analysis workshop, 6 September 2024, New Delhi
6. Acute pain management workshop for emergency physicians, 25 September 2024 and 21st October 2024, New Delhi
7. Emergency Airway Workshop, 11 October 2024, New Delhi
8. EM SONO workshop**,** 26 and 27 April 2024, 26 and 27 July 2024, 26 and 27 September, 25 and 26 October 2024, 13 and 14 December 2024**,** New Delhi
9. Training of Trainer course on Basic Life Support for NDRF personnel, 17 December 2024, New Delhi
10. Basic emergency and first aid paramedic training for SWAT commandos, 13 January 2025, New Delhi

11. Champions of Change: Basic emergency management course for medical officers from Delhi, 22 January 2025, New Delhi
12. National Emergency Medicine Board Review Course (NEMBRIC 2025), 17-21 February 2025, New Delhi
13. Champions of Change-Basic emergency management course for medical officers from Madhya Pradesh, 27-31 March 2025, New Delhi
14. CRPF paramedics bedside teaching and hands on training, 8 April 2024, 9 April 2024 6 February to 25 March 2025, New Delhi
15. WHO Mass Casualty Management course and TOT workshop, 1-5 October 2024 3-5 March 2025, New Delhi

CMEs/Workshops/Symposia/National and International Conferences for the year (2024-2025)

Lectures delivered: 92

Sanjeev Bhoi: 4	**Nayer Jamshed: 11**	**Tej Prakash Sinha: 3**
Meera Ekka: 3	**Akshay Kumar: 20**	**Prakash Ranjan Mishra: 20**
Vineeth Chandran K P: 28		**Ankit Kumar Sahu: 3**

Sanjeev Bhoi

1. Overview of Triage**,** Champion of Change**,** 29 April 2024**,** New Delhi
2. POCUS, ICEM 2024, 16-19 May 2024, Antalya, Turkey
3. Overview of Acute Care Action Network-representing India, ACAN 2024, 17 and 18 October 2024, Geneva, Switzerland
4. Overview of Acute Care Network in India, Acute Care Action-India, 10 December 2024, New Delhi

Nayer Jamshed

1. Acute Heart Failure**,** CME organized by National Board of Examinations, 4 August 2024**,** New Delhi
2. Cardiogenic Shock**,** CME organized by National Board of Examination, 21 August 2024**,** New Delhi
3. Recent advances in Organophosphate poisoning, TOXICOMANIA 2.0, 21 September 2024, Lucknow, Uttar Pradesh
4. Approach to Cardiac Syncope in ED, CRISIS CARDIO, 29 September 2024**,** Dehradun, Uttarakhand
5. Sub-massive PE, what to do in ED?, EM V1.0 Cardio 01, 13 November 2024, Amritsar, Punjab
6. Life-Threatening ECG in the Emergency Medicine, EM V1.0 Cardio 01, 14 November 2024, Amritsar, Punjab
7. Approach to Narrow Complex Tachycardia, EM V1.0 Cardio 01, 14 November 2024, Amritsar, Punjab
8. Acute Heart Failure, PLEXUS 1.0, 21 December 2024, Hyderabad, Telangana
9. Management of Aluminium Phosphide poisoning, PLEXUS 1.0, 22 December 2024, Hyderabad, Telangana
10. Top 20 ECGs in ED, AEMECON-2025, 23rd February 2025, Bangalore, Karnataka
11. Standard Treatment Guideline on Paediatric Poisoning, NHSRC/DSPRUD, 15 March 2025, New Delhi

Tej Prakash Sinha

1. Strengthening governance and improving data for injury prevention in WHO Southeast Asia Region, 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, New Delhi
2. Post-crash Care in Primary Health Care in SEARO, National Trauma conference, 28-30 November 2024, Colombo, Sri Lanka
3. Automotive Future Advancement in Road Safety (SAFAR), SIAM Road Safety Program, 19 January 2025, New Delhi

Meera Ekka

1. Session moderator: Basic and Advanced airway skills, Skill development workshop for postgraduate students, 31 August 2024, New Delhi

2. Session moderator, Master the mystery: Blood gas analysis workshop, 6 September 2024, New Delhi
3. Session moderator: Emergency airway management, Skill development workshop for postgraduate students, 11 October 2024, New Delhi

Akshay Kumar

1. Case-Based Point of Care Ultrasound, EMSONO, 27 April 2024**,** New Delhi
2. Quality Improvement in Sepsis, EQUIP – Emergency Department Quality Improvement Programme, May 2024, Copenhagen, Denmark
3. Trauma in Pregnancy, National DNB Lecture, 12th May 2024, New Delhi/online
4. Introduction to First Step in Quality Improvement, Quality Improvement Workshop, 8 June 2024, New Delhi
5. Approach to Chest Pain and Stroke, National Emergency Life Support Course, 25-27 July 2024, Leh, Ladakh
6. Approach to Chest Pain & ACLS: Simulation Practice and Assessment Sessions, Advanced Life Support Course by American Heart Association, 22-24 August 2024, New Delhi
7. AIIMS Cardio-Pulmonary Resuscitation Training, CRTP Skill Workshop, 27and 30 August 2024, New Delhi
8. How to make an effective presentation, AIIMS Medical Education Workshop, 29-31 August 2024, New Delhi
9. Managing a Difficult Airway, AIIMS Emergency Skill Workshop, 31 August 2024, New Delhi
10. Approach to a Patient in Triage, AIIMS Paramedic Training, 3 September 2024, New Delhi
11. Session Moderator, Master the mystery: Blood gas analysis workshop, 6 September 2024, New Delhi
12. Session Moderator: Introduction to Quality Improvement Cycles, 3 International Patient Safety Conference, 8 September 2024, New Delhi
13. Program Director, Skill development workshop for postgraduate students, 11 October 2024, New Delhi
14. Talk on Approach to Difficult Airway, Skill development workshop for postgraduate students, 11 October 2024, New Delhi
15. Microteaching Session, Workshop on Microteaching, 19 October 2024, New Delhi
16. Course Director, Sepsis and Communication in Acute Setting, Acute Critical Care Workshop, 1 December and 10 December 2024, Agra, Uttar Pradesh
17. Talk on Approach to Altered Sensorium, Sepsis and Communication in Acute Setting, Acute Critical Care Workshop, 1 December and 10 December 2024, Agra, Uttar Pradesh
18. Approach to Sepsis, Altered Sensorium, Communication Skills in Acute Setting, Acute Critical Care Workshop, 12 February 2025, New Delhi
19. Approach to Sepsis, Altered Sensorium, Communication Skills in Acute Setting, Acute Critical Care Workshop at Association of Rural Surgeons of India Conference, 10 and 11 February 2025, Bilaspur, Chhattisgarh
20. Orthopaedic Emergencies – Upper and Lower Limbs, National Emergency Medicine Board Review of India Course, 17-21 February 2025, New Delhi
21. Hypothermia in Trauma – A Case Discussion, AIIMS Raipur Grand Round in Emergency Medicine, 27 February 2025, New Delhi/online
22. Approach to Chest Pain, ACLS Simulation Practice and Evaluation Sessions, Advanced Cardiovascular Life Support Course, 4-6 March 2025, New Delhi

Prakash Ranjan Mishra

1. Circulation: Point-of-care ECHO EM SONO: Emergency Sonography Workshop, 26 April 2024, New Delhi
2. Moderator and Skill station instructor, EM SONO: Emergency Sonography Workshop**,** 26 April 2024**,** New Delhi
3. Circulation: RUSH protocol in shock EM SONO: Emergency Sonography Workshop, 26 July 2024, New Delhi
4. Moderator and Skill station instructor, EM SONO: Emergency Sonography Workshop, 26 July 2024, New Delhi
5. Approach to chest pain and acute coronary syndrome, *National Board of Examinations in Medical Sciences (NBEMS)*- National live Emergency Medicine Webinar for post-graduates, 31 July 2024, New Delhi/online

6. Session moderator: Basic and Advanced airway skills, Skill Development Workshop for postgraduate students, 31 August 2024, New Delhi
7. Introduction to ABG, Master the mystery: Blood gas Analysis Workshop, 6 September 2024, New Delhi
8. Program Director and Session moderator, Master the mystery: Blood gas Analysis Workshop, 6 September 2024, New Delhi
9. Circulation: Point-of-care ECHO Emergency Sonography Workshop, 26 September 2024, New Delhi
10. Moderator and Skill station instructor, Emergency Sonography Workshop, 26 September 2024, New Delhi
11. Session moderator: Emergency airway management, Skill Development Workshop for postgraduate students, 11 October 2024, New Delhi
12. Assessment: RUSH and Point-of-care echocardiography, Emergency Sonography Workshop, 25 October 2024, New Delhi
13. Moderator and Skill station instructor, Emergency Sonography Workshop, 25 October 2024, New Delhi
14. Bradyarrhythmias, EM Cardio V1.0, 13 November 2024, Amritsar, Punjab
15. ECG table: High-risk syncope, EM Cardio V1.0, 14 November 2024, Amritsar, Punjab
16. Circulation Emergency Sonography workshop: EM-SONO, 13 December 2024, New Delhi
17. Skill station instructor, Emergency Sonography workshop: EM-SONO, 13 December 2024, New Delhi
18. Session moderator: Consultative Haematology, National Haematology Update-XIII, 31 January 2025, New Delhi
19. Atrial fibrillation in EM, AEMECON-2025: Association of Emergency Medicine Educators Conference, 21 February 2025, Bengaluru, Karnataka
20. Session moderator: Examinations in Emergency Medicine-Need for a paradigm shift, AEMECON-2025: Association of Emergency Medicine Educators Conference, 22 February 2025, Bengaluru, Karnataka

Vineeth Chandran KP

1. Basic emergency management, Champions of Change for Ladakh, 22-25 April 2024, New Delhi
2. Breathing assessment, EM SONO, 26 April 2024, New Delhi
3. Breathing assessment EM Sono, 26 and 27 July 2024, New Delhi
4. Secondary survey, EM Sono, 26 and 27 July 2024, New Delhi
5. Disaster management, Training for doctors under Indian Institute of Public Health (IIPH), 2 August 2024, New Delhi
6. Shock in ED, EM cyclical workshop – EM India 2024, 7 August 2024, Bhopal, Madhya Pradesh
7. POCUS in ED, EM Skills mela – EM India 2024, 8 August 2024, Bhopal, Madhya Pradesh
8. Basic and advanced life support, Code blue class for hospital staff, 17-20 September 2024, New Delhi
9. Nerve block in ED, Nerve block workshop for emergency physicians, 25 September 2024, New Delhi
10. Breathing assessment EM Sono, 26 and 27 September 2024, New Delhi
11. Secondary survey, EM Sono, 26 and 27 September 2024, New Delhi
12. Point of care ultrasound in ED, Point of care ultrasound workshop, WACEM 24, 6 October 2024, Rome, Italy
13. National Emergency Life Support, National Emergency Life Support – Trainer of Trainers course for paramedics, 14-16 October 2024, Thiruvananthapuram, Kerala
14. Nerve block and stellate ganglion block, Cadaveric Workshop for emergency physicians, 21 October 2024, New Delhi
15. USG – Basic physics EM Sono, 26 and 27th September 2024, New Delhi
16. Secondary survey, EM Sono, 25 and 26 October 2024, New Delhi
17. Introduction to POCUS and Knobology Sono anatomy of STG and erector spinae, Cadaveric workshop – pain procedures conducted by Department of Neurosurgery, 13 and 14 November 2024, New Delhi

18. USG Basic physics EM Sono, 26 and 27 September 2024, New Delhi
19. Secondary survey, EM Sono, 13 and 14 December 2024, New Delhi
20. AHA Updates, DEMMCON 24, 21 December 2024, Kozhikode, Kerala
21. Keeping it cool – Temperature management in ED, Emergenz 3.0 – Aster International Emergency Medicine conclave, 10 January 2025, Wayand, Kerala
22. Basic emergency management, Champions of Change-Delhi doctors Training program to strengthen emergency care, 22 January 2025, New Delhi
23. Hemato-oncological emergencies, NEMBRIC 2025, 19 February 2025, New Delhi
24. Transfusion NEMBRIC 2025, 20 February 2025, New Delhi
25. Hypertension, NEMBRIC 2025, 20 February 2025, New Delhi
26. Mass casualty management, WHO MCM course, 3-5 March 2025, New Delhi
27. Stuck Valve management in ED, ACES 25, 3rd Annual cardiovascular emergencies symposium, 8 March 2025, Raipur, Chhattisgarh
28. ECG in ED, ACES 25 – 3rd Annual cardiovascular emergencies symposium, 9 March 2025, Raipur, Chhattisgarh

Ankit Kumar Sahu

1. Neurological emergencies, NEMBRIC 2025, 17 February 2025, New Delhi
2. Mass casualty management, WHO MCM Course, 3-5 March 2025, New Delhi
3. Basic emergency care for Paramedics – Initial assessment, Basic emergency care course for Paramedics, 25 March 2025, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024-25
66	129	92

List of Oral papers/Posters presented: 21

1. Bhoi SK, Priyadarshini, Patterns of peripheral blood mesenchymal stromal cells, hematopoietic progenitor cells, stem cells and its correlation with clinical outcome in hemorrhagic shock patients, ACEM 2024**,** 6-8 November 2024**,** WACEM, Rome
2. Bisht N, Bhardwaj H, Arya K, Sharma M, Mishra I, Rawat R, et al.**,** Youth-led emergency care response at community level-an implementation project**,** 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024**,** New Delhi
3. Bisht N, Rawat R, Chauhan S, Sharma D, Sinha TP, Bhoi SK**,** Developing and testing a comprehensive community model to strengthen post-crash response in rural tribal settings, 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024)**,** 2-4 September 2024**,** New Delhi
4. Chaudhary Y, Jamshed N**,** Olanzapine versus haloperidol for the management of acute agitation in emergency department: a randomised controlled trial, SAEM Conference, 17 May 2024**,** Phoenix, Arizona, USA
5. Dey S, Joshi SS, Mishra PR, Khadilkar P, Operationalisation of a complexity estimation protocol for diagnostic tasks in emergency medicine, International Ergonomics Society's Triennial Congress: IEA 2024, 25-29 August 2024, JEJU, South Korea
6. Dey S, Joshi SS, Mishra PR, Khadilkar P, Operationalization of a complexity estimation protocol for diagnostic tasks in emergency medicine, 4th AIIMS Annual Research Day, AIIMS, New Delhi, 30 January 2025, New Delhi
7. Gulati S, Ekka M, To evaluate prognostic utility of absolute lymphocyte count in patients with acute heart failure presenting to Emergency Department, 20th Annual All India Academic Emergency Medicine Conference: EMINDIA 2024, 7-11 August 2024, Bhopal, Madhya Pradesh
8. Gulati S, Ekka M, To evaluate prognostic utility of absolute lymphocyte count in patients with acute heart failure presenting to emergency department**,** 4th AIIMS Annual Research Day, AIIMS, New Delhi, 30 January 2025, New Delhi

9. Karthikeyan A, Sinha TP, Bisht N, To identify the bottlenecks in prehospital care through unstructured interviews with government-run ambulance services in New Delhi, 15th World Conference on Injury Prevention and Safety Promotion (SAFETY 2024), 2-4 September 2024, New Delhi
10. Karthikeyan A, Sinha TP, Bisht N, To improve the pre-hospital health care bundle compliance, provided to critically ill patients presenting to the AIIMS emergency department through government-run ambulance services, 15th World Conference on Injury Prevention and Safety Promotion (SAFETY 2024), 2nd-4th September 2024, New Delhi
11. Kumar A, Ekka M, To study the utility of USG guided dynamic close reduction of long bone fractures compared to conventional treatment., 20th Annual All India Academic Emergency Medicine Conference: EMINDIA 2024, 7-11August 2024, Bhopal, Madhya Pradesh
12. Kumar A, Mohan N, Arora S, Improving crucial procedures in the emergency department, 3rd International Patient Safety Congress, 8 September 2024, New Delhi
13. Kumar A, Mohan N, Improving cardiac arrest care in the emergency department, National Conference of Emergency Medicine: EMINDIA 2024, 10 August 2024, Bhopal, Madhya Pradesh
14. Kumar A, Rauniyar N, Chief complaint-driven triage system – a validation study, National Conference of Emergency Medicine: EMINDIA 2024, 10 August 2024, Bhopal, Madhya Pradesh
15. Meena S, Bhoi S, Sinha TP, Jamshed N, Comparison of efficacy of erector spinae plane block versus conventional pharmacological therapy in successfully alleviating abdominal pain of patients with pancreatitis in an emergency department; a randomised controlled trial, ACEM Conference, 26 November 2024, Adelaide, Australia
16. Nair A, Chauhan S, Sinha TP, Bhoi SK, To study the magnitude, risk factors, perception and practices in a selected population of the coastal area of Chennai, regarding drowning and its prevention: a pilot study, 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, New Delhi
17. Nair A, Chauhan S, Sinha TP, Bhoi SK, To study the magnitude, risk factors, perception and practices in three districts of Bihar regarding drowning and its prevention: A pilot study, 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, New Delhi
18. Nair A, Sinha TP, Jamshed N, The Thallium Revenge, 22nd APAMT Conference, 11-14 November 2024, Penang, Malaysia
19. Rawat R, Sinha TP, Bhoi S, To assess the efficacy of health system building training on improving facility-based emergency care system in medical colleges in Uttar Pradesh, India, ACEM 2024, 6- 8 November 2024, WACEM, Rome
20. Suresh S, Mishra PR, Choudhury K, Nebulized vs intravenous tranexamic acid for hemoptysis: a randomized controlled trial, 4th AIIMS Annual Research Day, AIIMS, New Delhi, 30 January 2025, New Delhi
21. Vaishanavi P, Bhoi S, Jamshed N, Changes in optic nerve sheath diameter following rigid cervical collar application in patients with traumatic brain injury: A prospective observational study at a tertiary health care teaching hospital, ACEP Conference, 1 October 2024, Las Vegas, USA

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

Presentation	2022–2023	2023–2024	2024-2025
Oral/poster	17	18	21

RESEARCH

Funded Projects

Ongoing

1. Adaptive model to strengthen facility-based emergency care system for providing quality emergency care among red triage patients (Time-sensitive and other emergencies) at all levels of health care facilities, Dr Sanjeev Bhoi, Indian Council of Medical Research, New Delhi, 3 Years, 2023-2026, Rs 21,35,71,736
2. Association of Cytokine levels (TSLP, IL-31, IL-13, IL-35) with clinical outcomes in patients with acute coronary syndrome: a case-control study, Dr Prakash Ranjan Mishra, AIIMS, New Delhi, 1 Year, 2024-2025, Rs 5,00,000

3. Bedside percutaneous drainage of Liver Abscess in the emergency department by trained Emergency Physician versus Radiologist, Dr Nayer Jamshed, Indian Council of Medical Research, New Delhi, 2 Years, 2024-2026, Rs 6229208
4. Effect of sodium-hydrogen channel (NHE-1) inhibitor in hypoxic cardiac arrest, Dr Tej Prakash Sinha, Indian Council for Medical Research, 3 Years, 2024-2027, Rs 44,40,653
5. Evaluation of the water bath ultrasound technique (WBT) in the diagnosis of distal hand and foot injuries in the emergency department, Dr Tej Prakash Sinha, Indian Council of Medical Research, New Delhi, 2.5 Years, April 2024 to September 2026, Rs 62,38,200
6. Immuno-clinical correlation in Sepsis Patients Presenting to the Emergency Department, Dr. Akshay Kumar, AIIMS, New Delhi, 3 Years, 2021-2024, Rs 9,50,000
7. Improving crucial procedures in the Emergency Department – Cardiac Arrest and Emergency Endotracheal Intubation, Dr Akshay Kumar, Indian Council of Medical Research, New Delhi, 3 Years, 2024-2027, Rs 70,00,000
8. National Emergency Life Support Course for Paramedics- Training of trainers: A course launched by MoHFW to build a pool of trainers for building the capacity of paramedics & EMTs in handling emergencies, Dr Sanjeev Bhoi, MoHFW, Government of India, 3 Years, 2024-2027, Rs 3,88,96,050
9. Nebulized versus intravenous tranexamic acid for hemoptysis: A randomized controlled trial, Dr. Prakash Ranjan Mishra, Indian Council of Medical Research, New Delhi, 3 Years, 2024-2027, Rs 62,44,794
10. Prospective, Open-label, Single Arm, Interventional, Multicentric, Pilot Study to Evaluate the Safety, and Effectiveness of Ozyn-D™, a Novel Intraosseous device for delivery of medications and fluids, Dr Prakash Ranjan Mishra, Indian Council of Medical Research, New Delhi, 3 Years, 2024-2027, Rs 72,28,710
11. Randomized, open-label, phase IIa /IIb clinical trial to study the safety and efficacy of intravenous estrogen therapy in reducing the incidence of sepsis/septic shock in trauma hemorrhagic shock patients, Dr Sanjeev Bhoi, Indian Council of Medical Research, New Delhi, 3 Years, 2024-2026, Rs 7,17,708
12. Strengthening Emergency & Trauma Care in Rajasthan- Creating a pool of trainers on BLS & Post-Crash responses at selected colleges in Jaipur in collaboration with state road safety cell, Department of transport & Road safety, Government of Rajasthan, Dr Tej Prakash Sinha, Government of Rajasthan, 1 Year, 2024-2025, Rs 56,48,500

Completed

1. Strengthening Emergency & Trauma Care in Rajasthan- Creating a pool of trainers on BLS & Post-Crash responses at selected colleges in Jaipur in collaboration with state road safety cell, Department of transport & Road safety, Government of Rajasthan (Phase 1), Dr Tej Prakash Sinha, Government of Rajasthan, 06 mMonths, September' 2023 to, February' 2024, Rs. 27,17,000.00
2. To study the pattern of mesenchymal stromal stem and progenitor cells in peripheral blood of trauma haemorrhagic shock patients, Dr Sanjeev Bhoi**,** Indian Council of Medical Research, New Delhi**,** 3 Yearsyears, 2021-2024, 4Rs. 6,00,000.00
3. To study the role of iPSC (induced pluripotent stem cells) derived hematopoietic progenitor cells (HPC) for hematopoietic failure among trauma hemorrhagic shock using an animal model, Dr Sanjeev Bhoi**,** Indian Council of Medical Research, New Delhi**,** 3 years, 2021-2024, Rs 69,00,000.00

Departmental Projects (including thesis/dissertations)

Ongoing

1. Assessment of cerebral perfusion using transcranial color doppler during hemorrhagic shock in trauma patients: a prospective observational pilot study
2. Beta blockers v/s calcium channel blockers for rate control in atrial fibrillation with fast ventricular rate: a randomised open-label study
3. Clinical profile of patients with acute-on-chronic liver failure presenting to the Emergency department
4. Clinico-epidemiological profile of liver abscess presenting to the emergency department
5. Comparative efficacy of HFNC vs NIV in acute exacerbation of COPD: a randomized controlled trial
6. Comparative efficacy of serratus anterior plane block vs standard care in alleviating pain during chest tube thoracostomy in emergency department: a randomised controlled trial

7. Comparing balanced crystalloids and normal saline during resuscitation of undifferentiated shock in patients presenting to emergency department: a randomised controlled trial
8. Comparing shock control rates of combined versus sequential fluids and norepinephrine therapy in septic shock: a randomised open-label trial
9. Correlation of arterial blood gas with complication rate and final neurological outcome in a patient with severe traumatic brain injury
10. Diagnostic accuracy of right ventricular bubble time in predicting right ventricular dysfunction when compared to standard echo in patients presenting to ED: a prospective observational study
11. Diagnostic accuracy of smartphone fundoscopy vs direct ophthalmoscopy among patients with features of raised ICP in patients presenting to ED
12. Diagnostic accuracy of sono-clinical decision rule to assess the need for NCCT head in patients with mild traumatic brain injury
13. Diagnostic accuracy of the modified water bath technique and conventional ocular ultrasound in comparison to non-contrast computed tomography of the orbit for identifying ocular injuries in trauma patients
14. Effect of application of the MINUTES bundle vs existing care on the clinical outcomes in the initial management of undifferentiated circulatory shock in the emergency department randomised control study
15. Efficacy of Glargine plus intravenous insulin vs intravenous insulin in the management of diabetic ketoacidosis in the emergency department: an open label randomised controlled trial
16. Efficacy of pantoprazole versus placebo in mucosal healing and change in endoscopic grading in patients of acute caustic ingestion: A randomized control open label study
17. Efficacy of point-of-care ultrasound in reduction of time to diagnose acute shoulder injuries as compared to usual care in adult trauma patients presenting to emergency department: An open-label randomized controlled trial
18. Improving ventilator strategies for patients who are on mechanical ventilation in the emergency department of AIIMS, New Delhi, A Quality Improvement Study
19. Neutrophil lymphocyte ratio as a predictor of acute abdomen in patients with acute abdominal pain to the emergency department: a prospective observational study
20. Patterns of laryngo-pharyngeal injury in patients of corrosive ingestion presenting to emergency department
21. PEEP VS ZEEP in cardiopulmonary resuscitation: a randomised controlled pilot trial
22. Predictors of the need for endotracheal intubation in patients with community-acquired pneumonia presenting to the emergency department: a prospective observational study
23. Prognostic Role of Lactate-Albumin Ratio, Procalcitonin-Albumin Ratio, CRP-Albumin Ratio, SOFA, and qSOFA in Sepsis Patients in the Emergency Department
24. Role of Magnesium sulphate as an adjunct to standard care in patients with valvular atrial fibrillation: a randomised control trial
25. Role of point-of-care ultrasound guided arrhythmia algorithm in differentiating between supraventricular tachycardia with aberrant conduction and ventricular tachycardia when compared to a standard 12 lead ECG
26. Self-directed Learning vs Instructor-regulated Learning in ultrasound-guided central venous catheter insertion: a randomized control trial
27. SONO-PECARN versus PECARN: To study the role of ultrasound guided skull fracture detection in decision-making of intermediate PECARN risk group of less than two years
28. Stellate ganglion block in refractory ventricular arrhythmia in Emergency Department: an open label randomized controlled trial
29. Succinylcholine versus Rocuronium for rapid sequence intubation: A randomised control trial
30. The role of point of care ultrasound in diagnosing injury in and around knee as compared to magnetic resonance imaging presenting to emergency department
31. The role of push dose epinephrine in preventing cardiovascular collapse in patients undergoing emergency endotracheal intubation: a randomized control trial

32. To assess the role of carotid peak systolic velocity in assessing the quality of chest compressions when compared to EtCO2 in patients with cardiac arrest
33. To compare Aorto-Caval Index vs IVC collapsibility in assessing fluid responsiveness in patients presenting with septic shock in the emergency department: a pilot randomised control trial
34. To evaluate the role of coronary artery calcium score in patients with acute chest pain of low-intermediate risk presenting to emergency department: a prospective observational study
35. To improve the adequacy of pre-procedural pain management in traumatic extremity fracture undergoing reduction- Quality improvement study
36. To study the impact of ultrasound guided chest compressions when compared to conventional chest compressions in cardiac arrest outcomes in patients with cardiac arrest
37. Valuation of safety and efficacy of delayed sequence intubation as compared to rapid sequence intubation in critically ill patients requiring endotracheal intubation: A randomised controlled trial

Completed

1. Absolute lymphocyte count as prognostic indicator in Acute heart failure
2. Assessing accuracy of Smartphone ECG in diagnosing arrhythmias
3. Assessing accuracy of Smartphone ECG in diagnosing STEMI
4. Assessment of internal jugular vein and femoral vein collapsibility in the determination of intravascular volume status as compared to inferior vena cava collapsibility
5. Association between boarding time in the emergency department and in-hospital mortality
6. Capillary refill time as a predictor of mortality post resuscitation in patients presenting with shock
7. Chest pain and heart failure in the Emergency Department registry study
8. Clinical epidemiological profile of patients with AKI in CLD
9. Clinical profile of patients with malignancy presenting to the emergency department
10. Clinical profile of patients with rheumatic heart disease presenting to Emergency Department
11. Clinico-epidemiological profile of patients with acute chest pain presenting to emergency department
12. Clinico-epidemiological profile of patients with acute kidney injury in chronic liver diseases
13. Comparison of efficacy of erector spinae plane block versus conventional pharmacological therapy in successfully alleviating abdominal pain of patients with pancreatitis in an emergency department: A Randomized Controlled Trial
14. Comparison of Full Outline of Unresponsiveness (FOUR) score with Glasgow Coma Scale (GCS) for assessment of patient with altered sensorium in emergency department
15. Comparison of scoring systems in predicting hospital mortality in patients with pneumonia presenting to emergency department
16. Developing an antibiogram based on culture samples of suspected patients of infection presenting to the Emergency department
17. Diagnostic accuracy of transcranial ultrasound to detect clinically significant conditions in post-craniectomy patients
18. Diagnostic yield of non-contrast computed tomography brain in patients of chronic liver disease presenting with altered mental status
19. Does POCUS guided AIIMS-Pediatric POCUS Algorithm improve early diagnosis and critical care management decision in acutely ill pediatric patients
20. Effect of intravenous iron on symptomatic improvement in iron-deficient patients with acute decompensated heart failure
21. Efficacy and safety of intramuscular haloperidol and olanzapine in management of acutely agitated patients in the emergency department: a randomized controlled trial

22. Efficacy and safety of methylene blue compared to vasopressin as second vasopressor in the management of septic shock in adults: a randomised open label trial
23. Efficacy of Intralipid Emulsion Therapy in OP Poisoning -an exploratory study
24. Efficacy of valsalva and modified valsalva in terminating paroxysmal supraventricular tachycardia in the emergency department: a randomized controlled trial
25. Evaluation of diagnostic characteristics of Neutrophil-Lymphocyte ratio in comparison to commonly used score (APACHE II, CTSI and BISAP) in acute pancreatitis
26. High dose NTG vs low dose NTG in the management of SCAPE (sympathetic crashing acute pulmonary edema): a randomized controlled trial
27. Impact of interactive training interventions on soft skill of communication to nursing staffs in Emergency Department of a tertiary care teaching hospital: An experimental study
28. Lung USG in pediatric patients coming with shortness of breath and fever
29. Outcome of patients with upper gastrointestinal haemorrhages presenting to emergency department
30. Performance of chief complaint driven triage system based on mortality at 72 hours for patients presenting to the Emergency department
31. Role of Hydrocortisone in outcome of patients with cardiac arrest: a randomized placebo-controlled trial
32. Study of etiological profile of brought dead patients and comparison of death due to COVID-19 during lockdown period presenting to AIIMS, New Delhi
33. Study of existing pain assessment and management practices in the department of Emergency Medicine
34. Systemic immune inflammation index and procalcitonin in predicting mortality among septic shock patients presenting to ed- a prospective cohort study
35. The utility of End-tidal carbon dioxide monitoring in patients with shock in emergency department
36. The utility of left ventricular outflow tract velocity-time integral monitoring in patients presenting with shock
37. To estimate prevalence of pulmonary embolism in patients of acute exacerbation of COPD presenting in emergency department
38. To estimate the incidence of crescent sign in ONSD using POCUS (USG) in altered mental state with raised Intracranial pressure in Emergency department
39. To evaluate the prognostic significance of hypocalcemia in patients presenting with dengue fever to Emergency department
40. To improve pre-hospital health care bundle compliance provided to critically ill patients presenting to AIIMS emergency department through government run emergency services
41. To study the diagnostic characteristics of point of care ultrasound in patients of blunt trauma of chest
42. To study the impact of hands-only cardio-pulmonary resuscitation training among school students of Delhi in terms of improvement of knowledge and skills-a community care initiative.
43. To study the utility of Point of care ultrasound assisted reduction of long bone fractures as compared to usual care
44. To study the utility of ultrasound guided blocks on arrival vs usual care for analgesia in patients with acute limb injuries presenting to emergency department: a randomized controlled trial
45. Utility of point-of-care ultrasound guided primary survey algorithm in taking critical management decisions in adult trauma patients

COLLABORATIVE PROJECTS

Ongoing

1. Comparative efficacy of low vs high dose Terlipressin in the management of upper gastrointestinal bleeding: an open label randomized control trial, Department of Gastroenterology, AIIMS, New Delhi
2. Determinants of status epilepticus outcomes in adults and adolescents: a prospective cohort study, Department of Neurology, AIIMS, New Delhi

3. Determination of transcriptomic markers associated with neuropathy including cognitive impairment caused due to organophosphate poisoning and development of artificial intelligence-based tool to predict progression of its severity, Department of Microbiology and Pharmacology, AIIMS, New Delhi
4. Development of a real-time PCR technique using the CotH gene as a target for early diagnosis of Mucormycosis, Department of Microbiology, AIIMS, New Delhi
5. Efficacy and safety of injection Tenecteplase in 4.5 hours to 24-hour imaging eligible window patients with acute ischemic stroke (EAST-AIS), Department of Neurology, AIIMS, New Delhi
6. Evaluation of cardio-protective effect of remote ischemic post-conditioning in patients undergoing thrombolysis and its correlation with vitamin D, Department of Pharmacology, AIIMS, New Delhi
7. Impact evaluation of a surgical capacity building intervention in rural India**,** India-Norway collaboration with WHO
8. Impact of COVID-19 on Tuberculosis, Department of Microbiology AIIMS, New Delhi
9. Non-invasive, video and image-based estimation of body vitals using advanced deep learning: a collaborative study, Department of Laboratory Medicine, AIIMS, New Delhi
10. Point of care thromboelastography for critical decision making in patients requiring massive transfusion protocol at a level 1 trauma centre, Department of Laboratory Medicine, AIIMS, New Delhi
11. Poisoning due to agrochemicals in India: epidemiology, awareness, identification of molecular markers (Transcriptome profiling and metagenomic analysis) of risk assessment and development of preventive strategies, Department of Pharmacology, AIIMS, New Delhi
12. Prognostic implications of right ventricular dysfunction score among patients with sepsis and septic shock, Department of Anaesthesia, AIIMS, New Delhi
13. Prognostic implications of right ventricular dysfunction score among patients with sepsis and septic shock, Department of Anaesthesia, AIIMS, New Delhi
14. Standard medical therapy plus intravenous albumin vs standard medical therapy in patients with acute variceal bleeding: a pilot randomized controlled trial, Department of Gastroenterology, AIIMS, New Delhi
15. Thromboelastography parameters as predictor of thrombus burden in ST-Segment myocardial infarction undergoing primary percutaneous coronary intervention, Department of Cardiology, AIIMS, New Delhi
16. Understanding diagnostic complexity from contextual and psycho-physiological perspective, Indian Institute of Technology, Delhi
17. Validation of biomarkers in acute stroke using Omics technologies and diagnostic assay development, Department of Neurology, AIIMS, New Delhi

Completed

1. Development of a real-time PCR technique using the CotH gene as a target for early diagnosis of Mucormycosis**,** Department of Microbiology, AIIMS, New Delhi
2. Development of Aptamer-based rapid diagnostic test for acute heart failure, THSTI, Faridabad, Haryana
3. Evaluation of workplace violence and communication skills of resident doctors at a tertiary care teaching hospital, Department of Medicine, AIIMS, New Delhi
4. Genomic analysis of symptomatic SARS-CoV-2 vaccine breakthrough infection, Department of Microbiology, AIIMS, New Delhi
5. Optimal usage of laboratory information system and its impact in the emergency care setting: a prospective observational study, Department of Laboratory Medicine, AIIMS, New Delhi
6. Role of antibiotic prophylaxis in Child-A Cirrhosis with acute variceal haemorrhage: a multi-centric open label randomized controlled trial, Department of Gastroenterology, AIIMS, New Delhi
7. Utility of in-house and commercial PCR assay in diagnosis of COVID-19 associated mucormycosis in an emergency setting in a tertiary care centre, Department of Microbiology, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024-2025
Total funded projects	11	14	12
Total funding	Rs 2668 Lakhs	Rs 2744 Lakhs	Rs 3036 Lakhs

Publications

Journals: 13 Abstracts: 07 Chapters in Book: 04 Books & Monographs: 01

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024-2025
Total	22	29	25
Journal articles	20	24	13
Abstracts	-	2	7
Chapters in books	1	2	4
Books-editor	1	1	1

PATIENT CARE SERVICES

1. (a.) Number of patients attended Emergency services

Total new patients	Total revisit patients	Total patients
98,215	53,366	1,51,581

(b.) Medico-legal cases

YEAR	TOTAL MLCs
2024-25	9,670

2. Point of Care Testing Laboratory (POCT) data

Test type	Total test done
Complete blood count	89428
Quantitative Troponin I	7865
Blood gas analysis	102723
NT pro-BNP	1082
D-Dimer	767
Urine Tox screen	404
Procalcitonin	476
Urine and Serum Osmolality	762
Amylase	74
Lipase	74
Total tests done:	**2,03,655**

3. Procedures done in Emergency OT

Type of procedure	Total number
Major procedure	23
Minor procedure	218
Total procedures done:	**241**

Patient Care

Item	2022-23	2023-24	2024-25
Total Emergency visits	1,11,063	1,23,962	1,51,581
Total MLCs generated from Emergency	10,940	9,916	9,670
Total Point-of-care investigations done in Emergency laboratory	2,41,898	2,10,576	2,03,655
Total Procedures done in Emergency OT	266	212	241

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Sanjeev Bhoi dedicated his services to developing emergency and trauma care systems in India and Southeast Asia. He has contributed significantly to high-quality research, with ongoing projects funded by the Indian Council of Medical Research (ICMR), New Delhi, and collaborative studies with the World Health Organization – South-East Asia Regional Office (WHO-SEARO). For over a decade, he has been committed to improving the quality of emergency care, with a strong emphasis on patient safety. A major research interest over the past eight years has been trauma-induced haemorrhagic shock, particularly in the translational domain, resulting in numerous publications. He is a core committee member of the global Acute Care Network and the Global Alliance for Care of the Injured (GACI), under the WHO headquarters in Geneva. Additionally, he serves on the core committee overseeing the Centre of Excellence for emergency, trauma, and burn care, and is a committee member tasked with streamlining emergency care services across Delhi Government hospitals. He also leads a designated Centre of Excellence for National Emergency Life Support (NELS) and mass casualty management. Additionally, he is also contributing as director of WHO-collaborating centre for 'Emergency and Trauma care' in Southeast Asian region and has been working collaboratively with various states of India (MP, UP, Bihar, Arunachal Pradesh, Orrisa) for building systems of integrated emergency and injury care.

Dr Nayer Jamshed has published 13 research papers in peer reviewed PubMed Indexed journals in 2024-25. He is the principal investigator in four research projects and co-investigator in 14 research projects, chief guide for five post graduate students and co-guide for 17 postgraduate candidates. Dr. Nayer Jamshed is doing six Randomized controlled trial as Principal investigator/Chief guide and nine as co-investigator. He is a teaching faculty and course coordinator for the proposed Emergency fellowship program in Toxicology and an adjunct faculty in the proposed DM Course in Psychosomatic Medicine and Ecotoxicology. He is also a teaching faculty to the SET Facility. He is the in-charge of the academic teaching program, departmental simulation teaching and training program, quality assurance meetings, radio-conference and monthly panel discussion of the department. He is a part of departmental quality improvement program to improve quality of patient care in the Emergency Department. Dr. Nayer Jamshed is the Associate editor of Washington manual of Emergency Medicine and has written chapters in various textbooks. He is the reviewer of seven international journals of Emergency Medicine. He is the Nodal officer for SARI patients, hospital infection control committee & MBBS curriculum revision program of AIIMS. He is also the member of student wellness committee and various institute selection committee and procurement committees of AIIMS. He is also one of the national Moderator for NBE exams and was also the external and internal examiner for the subject of Emergency medicine at various AIIMS and other post graduate institute. He was appointed as assessor for Emergency Medicine by NBE. He was one of the board members for the initiation of fellowship in paediatric emergency Medicine started by Diplomat National Board. He is also the Board member for DNB Emergency Medicine and Critical care. He is external expert in the Board of Studies for the subject of MD, Emergency Medicine, AIIMS, Bhopal. He has also made national guidelines for the treatment of corrosive and recreational drugs poisoning. In the coming year has a plan to start fellowship in emergency toxicology and B.SC in Emergency Medicine Technicians. To improve the quality of patient care, he was instrumental in making protocols for commonly encountered emergency conditions and contributed to various quality improvement projects spearheaded by the department.

Dr Nayer Jamshed is the member of various Scientific Committees like Asia Pacific Association of Medical Toxicology, Association of Emergency Medicine Educators. He is committed to quality patient care, research and various teaching program of the Institute.

Dr Tej Prakash Sinha was engaged as an expert for the Mahakumbh-2025 at Prayagraj Medical College, playing a pivotal role in ensuring medical preparedness for mass gatherings. Nationally, he has led several key initiative, including serving as the National lead coordinator for the 'mass casualty management course' funded by the Ministry of Health and Family Welfare (MOHFW), and as the national lead for the NELS (National Emergency Life Support) program for paramedics. He is a committee member for the standardization of critical care blocks under MOHFW and a member of the centre of excellence for NELS and mass casualty management. Recognized for his subject expertise, he has been appointed to faculty selection panels for premier institutes such as AIIMS Kalyani, GIMS Noida, and TRIHMS Arunachal Pradesh. He currently serves as co-director of the WHO collaborating centre for emergency and trauma care in the south-east Asia region, working closely with Indian states like Madhya Pradesh, Uttar Pradesh, Bihar, Arunachal Pradesh, and Odisha to develop integrated emergency and injury care systems. Globally, he is the educational sub-committee co-chair of the EMERGE (Emergency Medicine Education & Research by Global Experts) network, aiming to transform lives through emergency care research. He is also a core committee member of the Acute Care Network–India, a reviewer for WHO's community first aid response (CFAR) course, and an expert reviewer for WHO guidelines on essential trauma care. His commitment to advancing the field is further reflected in his high-quality research, with ongoing projects funded by ICMR, the India-Norway collaboration, and the WHO.

Dr Meera Ekka is a reviewer of various international journals and is on editorial board of Annals of Clinical Case Studies. She is member of Asia Pacific Association of Medical Toxicology, Association of Physician of India and Emergency Medicine Association of India. She has published six articles in international and national indexed journals as co-author and two papers as corresponding author. She is one of the Associate editors of Washington manual of Emergency Medicine, SAE and contributed one chapter on COVID-19 disease in the same manual and one chapter on Toxic Gases in Critical Care in Toxicology Book. She is the Faculty In-charge, Store, POCT lab, and nodal officer for equipment audit for the Department of Emergency Medicine. She is also nodal officer for parliament affairs for Emergency Department from AIIMS. She is also the teaching faculty for AIIMS Emergency ECG and comprehensive Emergency and trauma care training of medical/paramedical CAPFS course run by the department. She is chief guide of eleven Emergency Medicine post graduate students and moderates post graduate students for various seminars and journal clubs in seminars conducted in the department. She is internal examiner for postgraduate exit exam. She is one of the teaching faculties for the proposed Toxicology fellowship program. She is a member of purchase committee for various equipment for the department at institute level. She is also working on acute poisoning registry. She along with her nine postgraduate students designed, studied, completed, and submitted nine research studies as thesis project. Her four post graduate students have published their thesis as article in indexed journal and one student has submitted the paper. Her two post graduate students have presented their work as oral presentation in national conferences, and one was selected as one of best 15 paper as podium presentation.

Dr Akshay Kumar has contributed to advancing emergency care services at the institute. He played a pivotal role in streamlining triage services in the Emergency Department by assisting in development of a 'Rapid assessment area, ' which has improved the prompt evaluation of high-priority patients and enhanced overall patient throughput. He has also led and facilitated key procurement processes within the department, ensuring the acquisition of essential equipment and critical tools that have enhanced diagnostic and treatment capabilities. He served as faculty for both Basic and Advanced Cardiovascular Life Support course, and was actively involved in faculty development programs, including the 'Microteaching' workshop for senior residents and a medical education workshop for faculty. He was also a distinguished faculty member in the National Emergency Medicine Board Review Course and the WHO Emergency Care System Strengthening Program for Delhi. As Course Director, he successfully conducted workshops on Patient Safety, Emergency Airway Management, and Acute Critical Care. In the research domain, Dr Akshay is leading two randomized clinical trials and an ICMR-supported implementation project, further contributing to evidence-based practice and policy-level improvements in emergency medicine.

Dr Prakash Ranjan Mishra was honoured with the second prize in the 'Clinical Sciences category' at the prestigious 'AIIMS Research Excellence Awards' during the 4th Annual Research Day held at AIIMS, New Delhi. In addition to his dedicated involvement in patient care, he has made substantial contributions to academic, research, and administrative domains within the Department of Emergency Medicine. Throughout the year, he played an active role in advancing academic initiatives for undergraduate and postgraduate students, nursing staff, paramedics, and short-term trainees through a variety of innovative educational activities. He contributed significantly to teaching and training in core emergency skills, including emergency electrocardiography, point-of-care sonography, and blood gas analysis. As Program Director and faculty for the newly developed workshop titled "Master the Mystery: Blood Gas Analysis", conducted by the Department of Emergency Medicine at SET facility, he led practical and impactful learning sessions. He also served as Associate Editor for the Washington Manual of Emergency Medicine: South-East Asia Edition and authored three original research articles published in peer-reviewed indexed journals during this period. In recognition of his commitment to medical education, he was provided a lifetime membership of the Association of Emergency Medicine Educators (AEME)-India. He was also invited

to serve as a reviewer and evaluated manuscripts for indexed journals such as, 'Clinical Case Reports', 'BMJ Innovations', 'Thorax' and 'Cureus'. During this period, he served as the Chief Guide for five postgraduate students conducting their thesis research and acted as a co-guide for 22 additional postgraduate students working on their theses. Demonstrating his research acumen, he was awarded two extramural research grants by the Indian Council of Medical Research (ICMR) and received an early career intramural research grant from AIIMS. He has been a sought-after speaker and resource person at multiple national conferences, where he was invited to deliver lectures and organize hands-on workshops. He has also been a vital contributor to the department's Quality Improvement initiatives, where he actively participated in mortality reviews and continuous care enhancement programs. Recognized for his organizational and administrative capabilities, he has been entrusted with several institutional responsibilities, including serving as the Assistant central public information officer (CPIO) for RTI matters, nodal officer for departmental website content updates, member of disease prevention and outbreak response cell and nodal officer for needle stick injury surveillance at AIIMS, among others.

Additionally, he successfully completed several training modules under the Government of India's 'Mission Karmayogi' initiative, aimed at strengthening civil service capacity through structured learning. His long-term vision focuses on enhancing and advancing emergency and patient care services, along with promoting research and academic excellence at both the institutional and national levels.

Dr Vineeth Chandran KP was actively involved in the evaluation and management of patients presenting to the emergency department of both AIIMS and JPN apex trauma centre. He was also involved in the planning and execution of management plans in mass casualty incidents like Holi in the JPN apex trauma centre. He has been a Royal College of Emergency Medicine (RCEM) examiner since February 2025. He was actively involved in teaching and training of medical staffs including doctors, nurses and paramedical staffs in basic and advanced emergency management. He was also involved in teaching undergraduate and postgraduates. He was involved in departmental activities including seminars, panel discussions, simulations, case discussions and bedside teaching. He has been a faculty during regular training sessions in trauma centre conducted by emergency department for doctors, nurses and paramedics. He was an invited faculty at the National Emergency Board Review of India Course (NEMBRIC) in February 2025 held at New Delhi. He was also in-charge of post-exposure prophylaxis management of staffs in JPN trauma centre and was part of 'Code blue' committee at the trauma centre.

Dr Ankit Kumar Sahu joined the department in February 2025 as a contractual faculty at JPN apex trauma centre. He has been involved in patient care, teaching-training and looks after administrative responsibilities assigned to him by the head of department.

9.11 Endocrinology and Metabolism

Professor and Head

Nikhil Tandon

Professors

Ravinder Goswami | Rajesh Khadgawat | Viveka P Jyotsna

Additional Professor

Yashdeep Gupta

Assistant Professor

Ashutosh Kumar Arya

HIGHLIGHTS

The department is engaged in many academic activities such as Endocrine-Pathology Conference every alternate week,, Endocrinology-Surgery-Nuclear Medicine (Wednesday) and Endocrinology-Radio diagnosis (Friday) meet every week. There are Seminar (Wednesday), Journal Club (Friday) and Clinical classes (Thursday) every week. During these academic events the topics of clinical importance and recent high impact articles are discussed. The Department runs daily outpatient facilities, has state of the art laboratory services for hormone assays, metabolic studies and bone density measurement. The academic activities of the department were conducted during the year.

EDUCATION

Undergraduate, Postgraduate, Paramedical Training

The department was actively involved in teaching undergraduate medical students and nursing students. Postgraduate students (MD) from Internal Medicine and Geriatric Medicine come for one and two month postings to the department. In addition, postgraduate fellows enrolled in MCh Breast and Endocrine Surgery, DM Nuclear Medicine and MSc Reproductive Biology also rotated for a period of 2-4 weeks in the department.

Long and Short Term Training

- Three candidates joined the DM course [One General (July 2024) two Sponsored (one July 2024 and one January 2025)].
- Two candidates joined for short term training, one from 29 July 2024 to 31 July 2024 (Elective Training) and one from 1 February 2025 to 31 March 2025.

CMEs/Workshops/Symposia/National and International Conferences

Lectures delivered: 39

Nikhil Tandon: 12 **Ravinder Goswami: 1**

Rajesh Khadgawat: 12 **Viveka P. Jyotsna: 3**

Yashdeep Gupta: 10 **Ashutosh Kumar Arya: 1**

Nikhil Tandon

1. As a Faculty Member, ENDOCON 2024, 19 April 2024, Hotel Pullman, Aerocity, New Delhi
2. Childhood Diabetes: Changing times and Current Status, Type-1 Diabetes Symposium: An Effort Beyond Current Care, 12 May 2024, Hotel Sidharth, Karol Bagh, New Delhi
3. Impact of technology and task sharing on preventing vascular complications in diabetes–lessons from the CARRS Trial, 11th edition of the “Dr Mohan’s International Diabetes Update 2024” “From research to the clinic”, 26 July 2024, Hotel ITC Grand Chola, Chennai
4. Chair the session: Gestational diabetes mellitus, 11th edition of the “Dr. Mohan’s International Diabetes Update 2024” “From research to the clinic”, 26 July 2024, Hotel ITC Grand Chola, Chennai
5. Non-surgical management of obesity, Army Hospital (R & R), 20 August 2024, R & R Hospital, New Delhi

6. Managing Non-communicable Diseases: Harmonizing Technology with Task-Sharing, 36th Foundation Day of National Centre for Cell Science (NCCS), Pune, 26 August 2024, Pune
7. Approach to a patient with Suspected Thyrotoxicosis, SPEED Thyroid Update 2024, 31 August 2024, Delhi
8. GDM in India, KEM Hospital, Pune, 20 September 2024, Pune
9. Drug therapy for post-menopausal Osteoporosis, "HIM-ENDOCON", 21 September 2024, Dharamshala, Himachal Pradesh
10. Leadership Talk, i3C-BRIC-RCB PhD Programme in Biosciences at Biotechnology Research and Innovation Council (BRIC), Department of Biotechnology (DBT), 18 October 2024, New Delhi
11. Diabetes and its complications, Indian National Science Academy (INSA), New Delhi 5th INSA-Royal Society, UK Yusuf Hamied Bilateral Workshop, 26-27 November 2024, London, UK
12. Top 3 Problems for Diabetes in India, IIT Madras, Chennai, "Workshop on Identifying the Top 10 Problems in Diabetes for India", 28 March 2025, Chennai

Ravinder Goswami

1. Chairperson in a panel discussion, Annual Conference of Endocrine Society of Delhi, 24 November 2024, Dwarka, Delhi

Rajesh Khadgawat

1. Challenges and Opportunities in Celiac Disease, 1st Bi-Annual Conference of the Asian Pacific Celiac Disease Symposium (APCDS), Delhi, 10 March 2024, New Delhi
2. Pheochromocytoma: Management Issues, Endocrine Surgery CME, AIIMS, Delhi, 7 April 2024, New Delhi
3. Diabetic Ketoacidosis in children with type 1 diabetes, The IAP (Indian Academy of Pediatrics) Delhi Chapter, Delhi, 12 May 2024, New Delhi
4. Young patient with osteoporosis, The Endocrine Society of India's annual EnSPIRE (Endocrine Society Postgraduate Initiative in Research and Education), Kochi, 08 June 2024, Kochi
5. Precious Puberty, Diabetes Thyroid and Endocrine Conference (DTECON), Jaipur, 28-29 June 2024, Jaipur
6. HPA axis suppression and its recovery: management, Integrated Diabetes and Endocrine Academy conference (IDEACON), Kolkata, 5-6 July 2024, Kolkata
7. First line therapy for Diabetes- is a change imminent?, DIABCON Oration, Delhi, 27-28 July 2024, Delhi
8. Thyroid Nodule in children, Indian Thyroid Society annual meeting ITSCON, Lucknow, 10-11 August 2024, Lucknow
9. Growth charts – Challenges in use GH therapy in Turner syndrome Case discussion – a case of SGA, Professional Association of Clinical Endocrinologists (PACE) Masterclass, Trivendrum, 17-18 August 2024, Trivandrum
10. Precocious Puberty, RAJ ESICON, Jaipur, 24-25 August 2024, Jaipur
11. Approach to a case of DSD, ESI satellite Symposium (Online), 1 September 2024, Bikaner
12. Clinical work up of a case of DSD, DSD-focus ESI, Hydearabad, 27 October 2024, Hyderabad

Viveka P Jyotsna

1. Professors Perspective: Person centered care, Endocrine Society of India focus workshop on patient centered care, 8 September 2024, Aerocity, Delhi,
2. Optimisation of growth and puberty in CAH, 53rd Annual Conference of Endocrine Society of India, 9 November 2024, Varun Beach Novetel, Vishakhapatnam, Andhra Pradesh,
3. Craniopharyngioma: Panellist in panel discussion, Annual Conference of Endocrine Society of Delhi, 24 November 2024, Dwarka, Delhi,

Yashdeep Gupta

1. Gestational Diabetes mellitus, Endocrine Society of India's annual EnSPIRE (Endocrine Society Postgraduate Initiative in Research and Education) program, 7 June 2024, Kochi

2. Precision medicine in gestational diabetes: Leveraging readily available information for effective risk-stratification, Dr Mohan's International Diabetes Update-11th edition, 26 July 2024, Chennai
3. Precision medicine in gestational diabetes using simple available information, T-ENDOCON, 25 August 2024, Trivandrum
4. Hyperglycaemia In Pregnancy- New insights into diagnosis and treatment, HIM-ENDOCON, 21 September 2024, Dharamshala
5. Gestational Diabetes Mellitus Insights 2024 (GDM Insights 2024), RCOG chapter, Kochi, 26 October 2024, Kochi
6. Early abnormality of glucose metabolism – Do we need to treat?, ESICON 2024, 10 November 2024, Hyderabad
7. Male hypogonadotropic hypogonadism, DESCON, 23 November 2024, Delhi
8. GDM: Comprehensive management strategies, KEM Conference titled "A Legacy Of Learning: Endocrine Department's Tribute To KEM's Centennial", 8 February 2025, Mumbai
9. Prevention of GDM: What is the evidence? Dr Yashdeep Gupta, Diwas Diabetes Update, 2025, 9 February 2025, Chennai
10. Blood/urine tests for adrenal functional disorders: What, when and how?, North Zone Urological Society of India, 1 March 2025, Delhi (Online)

Ashutosh Kumar Arya

1. Decoding the language of epigenetics in human health: linking basic biology to clinical Medicine, Symposium on Current Trends in Recombinant DNA Technology, 27 July 2024, Online

Lectures delivered over past 3 years

2022-2023	2023-2024	2024-2025
45	39	39

Oral Paper/poster presentation International Conference: 4

1. Garg S, Arya AK, Kumari P, Ritambhara N, Sachdeva N, Dahiya D, et al, Targeted Sequencing to Screen Germline and Somatic Variants, its Validation and Expression at Gene and Protein Levels in Indian Primary Hyperparathyroidism Patients, 2024 Annual Meeting of the American Society for Bone and Mineral Research, 27-30 September 2024, Toronto, ON, Canada
2. Kumari P, Arya AK, Garg S, Sachdeva N, Dahiya D, Nahar Saikia U, et al, Transcriptome Analysis Identifies Novel EZH2 Target Genes And Altered Signalling Pathways In Primary Hyperparathyroidism, 2024 Annual Meeting of the American Society for Bone and Mineral Research, 27-30 September 2024, Toronto, ON, Canada
3. Yashdeep Gupta, Samita Ambekar, Neerja Bhatla, Nikhil Tandon, Effectiveness of a culturally-appropriate lifestyle intervention programme, provided to women with GDM along with spouses after childbirth for improving the glycaemic status and/or weight of women: A Randomized Control Trial, Annual Conference of Diabetes and Pregnancy study group, 7-9 September 2024, Orebro, Sweden
4. Yashdeep Gupta, Vineeta Garg, Neena Malhotra, JB Sharma, Nikhil Tandon, Normative data using continuous glucose monitoring system for glycemia in pregnancy at 24 to 32 weeks of gestation in Indian women defined as normal by IADPSG (International Association of Diabetes and Pregnancy Study Groups) criteria, Annual Conference of Diabetes and Pregnancy study group, 7-9 September 2024, Orebro Sweden

ORAL PAPER/POSTER PRESENTED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
1	4	4

RESEARCH

Funded projects

Ongoing

1. A 26-week, randomised, multicentre, open-label, active-controlled, parallel group, two-armed, treat-to-target trial investigating the effect on glycaemic control and safety of treatment with once weekly Insulin Icodec compared to once daily Insulin Degludec, both in combination with Insulin Aspart in adults with type 1 Diabetes, with a 26-week extension investigating long-term safety, Dr Rajesh Khadgawat, Novo Nordisk, 5 Years, 2021-2026, Rs 34,95,400
2. A dose-finding trial evaluating the effect and safety of once-weekly treatment of somapacitan compared to daily Norditropin® in children with short stature born small for gestational age with no catch-up growth by 2 years of age or older, Dr Rajesh Khadgawat, Novo Nordisk, 5 Years, 2020-2025, Rs 25,00,000
3. A Master Protocol to Investigate the Efficacy and Safety of LY3437943 Once Weekly in Participants without Type 2 Diabetes who have Obesity or Overweight: A Randomized, Double-Blind, Placebo-Controlled Trial (TRIUMPH-1), Dr Rajesh Khadgawat, Eli Lilly, 2 Years, 2023-2025, 30 Lakhs
4. A randomised, multinational, active-controlled, (open-labelled), dose findingdose-finding, (double-blinded), parallel group trial investigating efficacy and safety of once-weekly NNC0195-0092 treatment compared to daily growth hormone treatment in growth hormone treatment naïve pre-pubertal children with growth hormone deficiency., Dr Rajesh Khadgawat, Novo Nordisk, 8 Years, 2017-2025, Rs 30,00,000
5. A randomized, controlled, multicentre study to evaluate the safety and efficacy of paltusotine in subjects with non-pharmacologically treated acromegaly., Dr Rajesh Khadgawat, Crinetics, 3 Years, 2022-2025, Rs 38,34,170
6. A study comparing the effect and safety of once weekly dosing of somapacitan with daily Norditropin® as well as evaluating long-term safety of somapacitan in a basket study design in children with short stature either born small for gestational age or with Turner syndrome, Noonan syndrome, or idiopathic short stature, Dr Rajesh Khadgawat, Novo Nordisk, 3 Years, 2023-2026, Rs 30,00,000
7. A trial comparing the effect and safety of once weekly dosing of somapacitan with daily Norditropin® in children with growth hormone deficiency, Dr Rajesh Khadgawat, Novo Nordisk, 7 Years, 2018-2025, Rs 10 Lakhs
8. An integrative approach using genomics and tissue proteomics to identify potential biomarkers for precision medicine in Pheochromocytomas and Paragangliomas, Ashutosh Kumar Arya, ICMR Extramural Small Grants, 3 Years, 2025-2028, Rs 1,18,00,000
9. An open-label multicentre roll-over study to assess long-term safety in patients with endogenous Cushings syndrome who have completed prior Novartis sponsoredNovartis-sponsored osilodrostat (LCI699) study and are judged by the investigator to benefit from continued treatment with osilodrostat., Dr Viveka P. Jyotsna, Novartis/ IQVA, 7 Years, 2019-2026, Rs 30, 00,000
10. Centre for Advanced Research and Excellence (CARE) in Young Diabetes, Dr Nikhil Tandon, ICMR, 5 Years, 2019-2025, Rs 4,89,42,083
11. Changing diabetes in children, Dr Nikhil Tandon, Novo Nordisk India Pvt Ltd, 11 Years, 2012-2025, Rs 25,00,000 Lakhs
12. Drug Intervention for prevention of type 2 diabetes among women with prior gestational diabetes mellitus and pre-diabetes in South Asia (DIVINE): A Randomized controlled trial, Dr Nikhil Tandon, ICMR, 4 Years, 2024-2028, Rs 1,76,75,542
13. Effect of comprehensive sleep programme on sleep quality and glycemic/metabolic control in patients with diabetes mellitus: A randomized control trial, Dr Viveka P Jyotsna, Department of Health Research, 3 Years, 2023-2026, Rs 20,16,882
14. Effectiveness of ARDA in a diabetic retinopathy screening program among people with Type 2 diabetes in India – A three armthree-arm Randomized Controlled Trial, Dr Nikhil Tandon, Google LLC, 2 Years, 2023-2025, $ 49,600
15. Evaluation of maternal and fetal outcomes in women diagnosed with GDM or normoglycaemia using IADPSG criteria, among women diagnosed with normoglycaemia by DIPSI criteria: Prospective multi-centre observational cohort study, Dr Nikhil Tandon, ICMR, 3 Years, 2022-2025, Rs 72,44,005
16. Genetic Spectrum Analysis of Multiple Endocrine Neoplasia Type 1 Syndrome Patients and Their Relatives: Exploring the Genetic Landscape, Ashutosh Kumar Arya, AIIMS Intramural Grant, 2 Years, 2024-2026, Rs 10

17. Genomics for preventing misdiagnosis and mismanagement of Idiopathic Hypoparathyroidism, a rare endocrine disorder, Dr Ravinder Goswami, ICMR, 3 Years, 2024-2027, Rs 1,71,00,000
18. ICMR – Young Diabetes Registry (YDR) & YDR cohort – Phase III", Dr Nikhil Tandon, ICMR, 3 Years, 2020-2025, Rs 4,28,44,503
19. Long-term effects of semaglutide on diabetic retinopathy in subjects with type 2 diabetes (FOCUS), Dr Nikhil Tandon, Novo Nordisk India Pvt Ltd, 5 Years, 2019-2027, Rs 27,50,000
20. Molecular Genomics of Congenital Growth Hormone Deficiency and GH sensitivity, Dr Rajesh Khadgawat, Self-funded, 4 Years, 2021-2025, Self-funded
21. Neuropsychiatric and cognitive dysfunctions in hypoparathyroidism, its natural course after 10 years of follow-up in patients with idiopathic hypoparathyroidism on conventional therapy and effect of these dysfunctions on their calcemic control, Dr Ravinder Goswami, ICMR-DHR, 3 Years, 2023-2025, Rs 58,00,000
22. Precision CARRS, Dr Nikhil Tandon, NHLBI, NIH, 5 Years, 2023-2026, $1,61,320
23. Randomized crossover trial for the effect of sevelamer-hydrochloride as adjuvant on serum phosphate in patients with idiopathic hypoparathyroidism with persistent hyperphosphatemia on standard conventional therapy, Dr Ravinder Goswami, ICMR, 3 Years, 2024-2027, Rs 86 Lakhs
24. Strengthening Ambulatory Care for NCD in India, Dr Nikhil Tandon, ICMR, 4 Years, 2024-2027, Rs 5,99,88,140
25. The cardiovascular safety of cagrilintide 2.4 mg s.c. in combination with semaglutide 2.4 mg s.c. (CagriSema 2.4 mg/2.4 mg s.c.) once-weekly in participants with obesity and established cardiovascular disease (REDEFINE 3), Dr Nikhil Tandon, Novo Nordisk, 4 Years, 2023-2027, Rs 35,07,000
26. To develop a strategy for postpartum follow-up of women with history of gestational diabetes mellitus by using the right test and frequency of testing and developing patient patient-centric approach after incorporating their views, Dr Nikhil Tandon, Lupin Ltd, 5 Years, 2018-2026, Rs 40,41,400
27. To develop and evaluate the effectiveness of a multidisciplinary education and care model for individuals with diabetes affected with COVIDCOVID-19COVID-19: A two-arm parallel Randomized Control Trial, Dr Yashdeep Gupta, ICMR, 3 Years, 2022-2025, Rs 67,72,400
28. To generate normative data using continuous glucose monitoring system for glycemia in pregnancy at 24 to 32 weeks of gestation in women defined as normal by IADPSG (International Association of Diabetes and Pregnancy Study Groups) criteria, Dr Yashdeep Gupta, ICMR, 3 Years, 2021-2024, Rs 45,00,000
29. To study the effect of changes in growth hormone status on metabolic profile of human subjects., Rajesh Khadgawat, ICMR, 4 Years, 2021-2025, Rs 29,00,000
30. Utility of low glycaemic index of rice in the management of type 2 diabetes: Rrandomized cross-over trial on glycemic control, related parameters and quality of life, Dr Ravinder Goswami, DBT, 4 Years, 2023-2027, Rs 97,90,000

Completed

1. Development of Phase II Clinical Trial for an Investigational New Drug, Dr Nikhil Tandon, Torrent Pharma, 9 Years, 2014-2024, Rs 84,53,212
2. Integrated Tracking Referral, and Algorithmic Management (I-TREC) System for Hypertension and Diabetes Institution, Dr Nikhil Tandon, NIH, USA, 6 years, 2017-2024, $1,298 113
3. One alpha hydroxyl vitamin D versus 1, 25 dihydroxy vitamin D for achieving optimal calcemic and phosphatemic control in patients with idiopathic hypoparathyroidism, Dr Ravinder Goswami, ICMR, 2 Years, 2021-2023, Rs 31,20,076
4. SOUL - Semaglutide cardiovascular outcomes trial in patients with type 2 diabetes, Dr Nikhil Tandon, Novo Nordisk India Pvt Ltd, 5 Years, 2019-2024, Rs 30 Lakhs
5. To evaluate the effectiveness of lifestyle intervention program in overweight/obese women [within two years of last child birth] when delivered to them along with their spouse as compared to them alone: Two arms parallel Randomized Control Trial, Dr Yashdeep Gupta, ICMR, 4 Years, 2019-2023, Rs 47 Lakhs
6. To study the effect of changes in growth hormone status on metabolomic profile of human subjects., Dr Rajesh Khadgawat, ICMR, 3 Years, 2021-2024, Rs 29 Lakhs
7. Vitamin D deficiency and bone microarchitecture in asymptomatic healthy Indians: Exploring the functional significance of low serum 25(OH)D and high PTH, Dr Ravinder Goswami, DBT, 4 Years, 2019-2023, Rs 76 Lakhs

Departmental Projects (including thesis/dissertations)

Ongoing

1. Pattern of islet antibodies and their persistence in Type 1 Diabetes patients from North India
2. To study the clinical sprectrum/profle of MEN syndrome patients in North India
3. Evaluation of endocrine, reproductive, metabolic musculoskeletal parameters of subjects with congenital adrenal hyperplasia-a cross sectional study
4. Sleep quality in patients with diabetes and it's correlation with duration of diabetes, glycemic and metabolic control and NAFLD: A cross-sectional study
5. Bone health in adult males with congenital hypogonadism.
6. Evaluating the utility of continuous glucose monitoring system for behavioural modification in high risk women enrolled in early pregnancy for the prevention of gestational diabetes mellitus: A pilot Randomized Control Trial
7. Vitamin D status and its functional significance
8. Molecular aspects in the pathogenesis of Basal ganglia calcification in hypoparathyroidism
9. Characterization of Neuroendocrine Tumors with Ga68-DOTANOC PET/CT and F18- FDG PET/CT and compare results with histopathology
10. Assessing Indian vegetarian diets with respect to their "potential protective impact" on cardio-metabolic health of urban adults in Delhi
11. To study the effect of personality on diet quality & academic performance among adolescents: a comparison between boys & girls
12. To study the prevalence of primary aldosteronism in high-risk subjects with hypertension
13. To study the response to vitamin D treatment in obese, overweight and normal BMI, vitamin D deficient Indian children aged 5 to 12 years - an open-label randomised intervention study
14. Evaluation and characteristics of multiple Endocrine neoplasia in cases with primary hyperparathyroidism admitted in Endocrine ward over last 10 years: An ambispective study

Completed

1. Clinical, biochemical, radiological profile and treatment outcome of patients with tumor-induced osteomalacia: an ambispective study
2. Long-term treatment outcomes of Acromegaly in a tertiary care center in India- an ambispective observational study

Collaborative projects

Ongoing

1. A randomized controlled trial to compare the effect of dietary interventions and resistance exercises on changes in skeletal muscle strength mass and functions in type 2 diabetes patients with Dynapenia and Sarcopenia (2022-2025), Department of Medicine, AIIMS
2. Analysis of Body composition and insulin resistance in children and adolescents with psychosis on atypical antipsychotics, Department of Psychiatry, AIIMS, New Delhi
3. Menstrual Patterns and Sexual Function in Patients with Systemic Lupus Erythematosus: Focus on Longitudinal Interaction with Disease Activity, Department of Rheumatology, AIIMS, New Delhi
4. Body composition, muscle strength and exercise tolerance in adolescent girls with PCOS: A case control study, Department of Paediatrics, AIIMS, New Delhi
5. Prevalence and etiology of menstrual Irregularity in adolescent girls- a cross-sectional study, Department of Paediatrics, AIIMS, New Delhi
6. To study the response to Vitamin D treatment in obese, overweight and normal BMI, Vitamin D deficient Indian Children aged 5 to 12 years- an open labelled randomized intervention study (2023-2026), Department of Medicine, AIIMS

7. To evaluate the personality traits and assess the impact of humanistic psychotherapy for trait-specific intervention on body composition and metabolic parameters in obese subjects (2023-2026), Department of Medicine, AIIMS
8. Assessment of epigenetic modifications of CDKN2A and RASSF1 genes in the peripheral blood of sporadic pituitary adenoma cases (2023-2026), Department of Anatomy, AIIMS
9. Study to quantify the burden of Insulin resistance in breast cancer women and its relation with other known prognostic and predictive factors of breast cancer (2023-2026), Department of Surgery, AIIMS.
10. Comparison of outcomes of Trans-oral vestibular and Axillo-breast approach for endoscopic hemithyroidectomy in patients with benign and indeterminate thyroid lesions- A randomized controlled trial (2023-2026), Department of Surgery, AIIMS
11. A case-control study to assess the prevalence of metabolic syndrome among females with PCOS in tertiary care hospital. (2025-2028), Department of Nursing, AIIMS
12. Exploring the efficacy of intermittent Fasting with time-restricted eating (TRE) on survival in gynecological cancers: A phase II randomized study, Department of Medical Oncology, AIIMS, New Delhi
13. To study the prevalence of primary Hyperaldosteronism among the Patients of obstructive sleep apnea, Department of Medicine, AIIMS, New Delhi

Completed

1. A randomised control trial to compare the safety and outcome of trans-oral vestibular and axillo-breast approach for endoscopic hemithyroidectomy in patients with benign thyroid swellings (2021-2024), Department of Surgery, AIIMS
2. Evaluation of role of platelet rich plasma in healing of chronic diabetic and peripheral arterial disease ulcers as compared to standard medical care: A randomised controlled study (2021-2024), Department of Surgery, AIIMS
3. Effect of benfotiamine as an adjuvant drug on oxidative stress in patients with type 2 diabetes mellitus- a randomized double-blind placebo-controlled clinical trial.(2021-2024), Department of Pharmacology, AIIMS
4. Assesment of risk factors of Graves orbitopathy and predicting odds of dysthymic optic neuropathy in hyperthyroidism (2021-2024), Department of Ophthalmology**,** AIIMS

RESEARCH OVER PAST 3 YEARS

Research projects	**2022–2023**	**2023–2024**	**2024-2025**
Total funded projects	26	34	29
Total funding	Rs 1761 Lakhs	Rs 3822 Lakhs	Rs 3005 Lakhs

Publications:

Journals:72 Abstracts: 03 Chapters in book: 01

PUBLICATIONS OVER PAST 3 YEARS

Item	**2022-2023**	**2023-2024**	**2024-2025**
Total	73	89	76
Journal articles	54	85	72
Abstracts	19	4	3
Chapter in books	-	-	1
Books	-	-	-

Patient Care

OPD/Clinic attendance from 1 April 2024 to 31 March 2025

Endo New Patient	**Endo Old Patient**	**PAE Clinic**	**DOY Clinic**	**GDM Clinic**	**Total**
12462	**59399**	**625**	**1966**	**353**	**74805**

Month wise break-up for OPD attendance from 1 April 2024 to 31 March 2025

Month	New Patient	Old Patient	PAE Clinic	DOY Clinic	GDM Clinic	Total
April 2024	1121	5136	74	151	38	6520
May 2024	1085	5441	58	107	39	6730
June 2024	831	4326	38	163	25	5383
July 2024	1077	5342	57	171	41	6688
August 2024	771	4485	22	223	33	5534
September 2024	1415	4735	60	163	34	6407
October 2024	1129	5094	71	145	23	6462
November 2024	918	4627	46	192	17	5800
December 2024	1041	5079	42	108	13	6283
January 2025	1110	5302	46	160	21	6639
February 2025	974	4449	59	160	24	5666
March 2025	990	5383	52	223	45	6693
Total	**12462**	**59399**	**625**	**1966**	**353**	**74805**

Item	2022-2023	2023-2024	2024-2025
OPD Consultations	57775	68517	71861
Special clinic consultations	3115	3229	2944

Laboratory Services

Hormones investigations

No	Hormone	Tube assays done		No	Hormone	Tube assays done
1	T4	23264		18	GAD65	1560
2	TSH	28326		19	F T4	7380
3	TPO	4500		20	T3	5220
4	LH	4050		21	F T3	1980
5	FSH	3780		22	IGF 1	2185
6	PRL	3870		23	E2	1710
7	CORTISOL	6840		24	ALDOSTERONE	3040
8	TESTOSTERONE	4320		25	RENIN	2375
9	DHEAS	3025		26	FGF 23	360
10	17 OHP	637		27	IL-6	450
11	ACTH	3150		28	IA2	490
12	PTH	6390		29	ZnT8	480
13	VITAMIN D	11875		30	Leptin	234
14	INSULIN	6120		31	Ghrelin	296
15	C PEPTIDE	3510		32	Metanephrine	809
16	GH	1710		33	NORMETANEPHRINE	809
17	CT-II	450		34	3-METHOXYTYRAMINE	809
Total		**115817**		**GRAND TOTAL**		**1,46,004**

Biochemical investigations

No	INVESTIGATION	NUMBER OF SAMPLES
1	Blood glucose	26011
2	Glycated hemoglobin (HbA1c)	28638
3	Urine pH	212
4	Osmolality (urine)	605
5	Osmolality (serum)	605
6	Lipid Profile	20373
7	tTG Elisa test	1251
	Total tests	**77695**

Specialty Clinics:

- Diabetes of Young (DOY) Clinic on Saturdays
- Paediatric and Adolescent Endocrine Clinic (PAEC) on Monday afternoons.
- Gestational Diabetes Mellitus (GDM) Clinic on Friday mornings
- Community services/camps.

The department regularly hold camps especially awareness and screening programs on obesity, PCOS, diabetes, and thyroid disorders.

From Year 2019, we have optimized method of the steroid hormone assays on Liquid chromatograhphy tandem mass spectrometer installed in Immunoassay laboratory located at the 7th floor of the Convergence Block. In same year have started steroid panel testing (especially testosterone in female patients and 17-Hydroxyprogesterone) on LC-MS system. In the current year we have optimaized method for estimations of plasma free metanephrines (Metanephrine, normetanephrine and 3-methoxy tyramine) and started patients screening and diagnosis. We are participating in external quality assurance proggrame for all our LC-MS based hormone assays.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Nikhil Tandon was Member of the WHO Advisory Group on Diabetes (TAG/D) from 22 January 2024 to 21 January 2026. He was Global Panel Member of the FOCUS study. He was Member of the Governing Body of the Institute of Medical Sciences, Banaras Hindu University, Varanasi. He has been nominated by the Ministry of Earth Sciences, Government of India as a Member of the National Coordination Committee for Polar Science Programme (NCPP), Antarctica. He has been nominated as a Chairman of the Selection Committee for the Selection of Medical Officers for the 38th Indian Scientific Expedition to Antarctica (ISEA), Goa. He was Vice President, National Board of Examination (NBE), New Delhi. He was Associate Editor, National Medical Journal of India (NMJI), New Delhi. He was Member, Editorial Board on Thyroid Research, UK. He was Member, International Expert Advisory Group, Global Alliance for Chronic Disease. He was Member, Council of the Indian Academy of Science. He was Member, Governing Council of the Sun Pharma Foundation. He was Member, Research Council of the CSIR-Institute of Genomics and Integrative Biology. He was External Expert to assist Standing Selection Committee of AIIMS, Bilaspur, for selection to the post of Assistant Professor in the Department of Endocrinology and Metabolism, AIIMS, Bilaspur (Conducted by PGIMER, Chandigarh). He was Member, Selection Committee constituted by the National Academy of Sciences, India for Award of Fellowships and Memorial Lectures (Senior Scientist Platinum Jubilee Fellowship, Young Scientists Award, and NASI Memorial Lecture Award). He was External Member of the Selection Board at Dr Ram Manohar Lohia Hospital, for selection of Assistant Professor (Endocrinology) on contract basis. He was Member, Technical Committee, Central Drug Standard Control Organisation, Drug Controller General of India, New Delhi. He was Nominated by the Hon'ble HFM as a Member, Scientific Advisory Board (SAB), Indian Council of Medical Research (ICMR) for a period of 3 years. The SAB is entrusted to examine all proposals in connection with the scientific objects of ICMR. He was Nominated by the Chairman and Managing Director, Sitaram Jaipuria Foundation (SJF) to serve as Jury Member for Sitaram Jaipuria Medical & Healthcare Excellence Awards. He was Nominated as National Leader in the clinical trial ID: NN9838-4942 (Redefine 3), project titled, "The cardiovascular safety of cagrilintide 2.4 mg s.c. in combination with semaglutide 2.4 mg s.c. (CagriSema 2.4 mg/2.4 mg s.c.) once weekly in participants with obesity and established cardiovascular disease".

In this context, I have been invited to become India National Leader for REDEFINE 3 study. He was Member of the "National Strategic Advisory Committee (NSAC) on Biomanufacturing" a "Bio E^3 Policy i.e. Biotechnology for Economy, Environment and Employment", with emphasis on "Fostering High Performance Biomanufacturing-An integrated approach towards promoting circular economy for Green, Clean and Prosperous India". He was Member of the South-East Asia Regional Expert Group on NCD (REG-NCD). He was Chairman, Computerization Committee, All India Institute of Medical Sciences, New Delhi. He was Patron of the Curriculum for Type 1 Diabetes Education Program aimed at educating general physicians, paramedics and Type 1 Diabetes caregivers/patients. The Society for Promotion of Education in Endocrinology and Diabetes (SPEED). The SPEED is a not-for-profit making educational society involved in education dissemination to medical fraternity and patients. He was Appointed as Dean (Research), All India Institute of Medical Sciences, New Delhi. He was Invited by Justice Prathiba M. Singh, Co-Chair, WG-RC, Global Initiative on AI for Health (GI-A14H) to join the WHO Working Group on Regulatory Considerations (SG-RC) on AI for Health. He Conferred "The Charaka Award 2024"

Professor Ravinder Goswami was Member for the 3rd International Task Force on Hypoparathyroidism Initiated by Endocrine Society of USA. He was Member Project Review Committee for Medical Projects, CSIR since 2015 till date. He was Member Core Committee of the Central Core Research Facility (CCRF). He was Subject expert (Endocrinology) for faculty selection/promotion for various AIIMS and PGI Rohtak. He got Fellowship of the Sun Pharma Science Foundation for the year 2023-2024. He was FNA, Fellowship of the Indian National Science Academy, Delhi (INSA) for the pivotal work on metabolic bone disorders including vitamin D deficiency and idiopathic hypoparathyroidism. He received, Best Researcher Award of the year 2024 from Endocrine Society of India.

Professor Rajesh Khadgawat got Fellowship of Royal College of Physician (FRCP), Edinburgh, UK. He was Appointed as Board of Member of Aligarh Muslium University (AMU). He was Member, Scientific Council of Zandu Foundation of Health Research, Kolkata. He was Expert, National Anti-Doping Agency (NADA), Ministry of Youth Affairs and Sports, Govt of India. He was Endocrinology External expert, Japan Anti-Doping Agency (JADA), Japan. He was Board of Members (BOM), Rajasthan University of Health Sciences (RUHS), Jaipur. He was Member, Selection Board, Rajasthan University of Health Sciences (RUHS), Jaipur. He was Member, SAE-Death committee, DCGI, Govt of India. He was Subject Expert Committee (Endocrinology), DCGI Govt of India. He was Subject Expert, National List of Essential Medicines (NLEM), Department of Health Research, Govt of India. He was Subject Expert, Standing National Committee on Medicines (SNCM), Department of Health Research, Govt of India. He was Member, Subject Review Committee, National Formulary of India (NFI), 6th Edition. He was Member (Clinician), The Institutional Ethics Committee, University of Delhi South Campus. He was Member (Clinician), The Central Ethics Committee, Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of Ayush, Govt of India. He was Subject expert (Endocrinology) for faculty selection/promotion for Union Public Service Commission (UPSC), AIIMS-Bhopal, AIIMS-Bhubaneshwar, AIIMS-Jodhpur, AIIMS-Raipur, AIIMS-Manglagiri, AIIMS-Kalyani, Rajasthan Public Service Commission (RPSC), PGI Rohtak and other State Public Service Commissions. He participated in a Medical Camp organized by the Indian Coast Guard in Lakshadweep - 27 April-1 May 2024. He participated in Medical Camp in Kargil - 7-13 July 2024. He participated in Medical Camp - Leh, Ladakh 17-23 September 2024. He participated in a medical camp in Pratapgarh, UP- 30 November 2024. He participated as External Examiner for DM exams organized by NRS Medical College, West Bengal Health University, Kolkata, Siksha-O-Anusandhan University, Bhubneshwar, KEM hospital and Seth GS Medical College, Mumbai, Gandhi Medical College, Hyderabad, BYL Nair Hospital and JJ Medical College, Mumbai. He was Subject Expert for Faculty in Endocrinology Selection in Rajasthan Public Service Commission, UPSC, Institute of Liver & Biliary Sciences (ILBS), PGI, Rohtak, RML Hospital and PG Institute, Delhi and AIIMS-Jodhpur, Bhubaneswar, Raipur, Bhopal, Manglagiri, Kalyani.

Professor Viveka P Jyotsna was Central Assistant Public Information Officer (CAPIO) of the Department of Endocrinology and Metabolism under Right to Information Act, 2005 at AIIMS since 2010 till date. He was Member of Department Purchase Committee, Department of Endocrinology since January 2016. He is Member of the subject expert committee (Endocrinology), New Drug Division, Drug Controller General, India, since January 2015 till date. He was reviewer for National and International journals: Indian Journal of Endocrinology and Metabolism, Indian Journal of Medical Research, Endocrine practice, Clinical Endocrinology, JCEM. Chairperson and Internal examiner for DM Endocrinology exit Exam, in AIIMS, New Delhi held on 13-14 May 2024. He was Endo Update 2024 on neuroendocrine tumours held on 15 June 2024 at Lucknow by Department of Endocrinology, SGPGI, Lucknow: chaired session on neuroendocrine tumours in GIT and diagnostic tests in insulinoma. He was External member of the selection board for selection of Assistant Professor (Endocrinology) held on 18 June 2024 at RML Hospital, New Delhi. He was Pre validation of MCQ and moderation of MCQs for INI-SS for admission in DM Endocrinology course for January 2025 session done on 18 October 2024. He was Coordinator for Departmental assessment for selection of INI-SS candidates for admission to DM Endocrinology, January 2025 session through online mode held on 13 November 2024. He was Member of medical board meetings on 13 and 16 December 2024 at AIIMS for expert opinion on Kuldeep singh Senger versus CBI. He was Member of medical board meetings on 20 January 2025 at AIIMS for expert opinion on Jagjit singh Dallewal versus Uday Pratap Singh & Ors.

He Prepared question paper and analysed answer sheets for DM Endocrinology internal assessment for exam held on 28 February 2025. He Served as faculty and Judge for assessing oral and poster presentations at National Conference on obesity, Obisitas 2025 on 2 March 2025 at Dwarka, Delhi. He was Member of medical board for medical examination of petitioner Mr. Arvind Dham versus directorate of enforcement on 6 March 2025 at AIIMS, New Delhi.

Dr Yashdeep Gupta RSSDI Novartis Young Investigator Award is given by Research Society for the Study of Diabetes in India. Anil R Sheth Young Investigator Award in the field of Clinical Endocrinology given by Endocrine Society of India.

Dr Ashutosh Kumar Arya was Departmental Nodal Officer of AB-PMJAY. He was Member of Proteomics Sub-committee, Centralized Core Research Facilty (CCRF), AIIMS New Delhi. He Member of Committee for Research diretory of Faculty and Scientists, AIIMS New Delhi.

VISITING SCIENTISTS

During the year nobody invited/visited the Department.

9.12 Forensic Medicine

Professor and Head

Sudhir Kumar Gupta

Professors

Millo Tabin

Adarsh Kumar (JPNATC)

Kulbhushan Prasad

Sanjeev Lalwani (JPNATC)

Chittaranjan Behera

Abhishek Yadav

Assistant Professors

Swati Tyagi (JPNATC)

Abilash S

Scientist- 1

Nidhi Sharma

Chemist

AK Jaiswal

HIGHLIGHTS

The Department of Forensic Medicine and Toxicology serves as the premier referral center in India for complex medico-legal cases. It provides expert opinions on cases referred by agencies such as the CBI, NIA, NHRC, various courts, and state crime branches. Its activities encompass medico-legal autopsies, embalming of medicolegal death cases, clinical forensic services, teaching, training, research, expert consultation, and legal proceedings. The department operates three main laboratories—Toxicology, DNA Fingerprinting, and Histopathology—as well as three support units: Forensic Radiology, Forensic Anthropology, and Forensic Biochemistry. During the reporting period, 1, 750 medico-legal autopsies were performed. The Centre of Advanced Research and Excellence in Virtual Autopsy offers virtual autopsy services aimed at the dignified handling of deceased individuals and supports research efforts, with 59 virtual autopsies conducted. Additionally, the department is leading a multicentric ICMR-funded Task Force project focused on the identification of unidentified bodies and missing persons across India. A NIMH-funded R01 grant project focused on developing resources for genetic research in suicide is currently underway. In addition, there are five funded projects and 28 departmental research projects actively in progress.

EDUCATION

There are nine postgraduate (MD) students and three PhD students enrolled in the department.

CMEs/Workshop/Symposium /Conferences

1. “Virtual Autopsy Workshop” held in Coordination with International Committee of Red Cross, New Delhi Delegation, on 24 April 2024 at AIIMS, New Delhi.
2. Forensic Capacity Building Training for Bhutan Delegates at Department of Forensic Medicine & Toxicology, AIIMS, New Delhi, 24-28 June 2024
3. Workshop on Sudden Death in Young, Department of Forensic Medicine & Toxicology, AIIMS, New Delhi-A collaboration of AIIMS New Delhi, ICMR HQs Delhi, 23 November 2024

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 39

Adarsh Kumar: 9	**Chittaranjan Behera: 13**	**Abhishek Yadav: 5**
Swati Tyagi: 4	**Abilash S: 7**	**AK Jaiswal: 1**

Adarsh Kumar

1. Various types of Wounds and their documentation through lens of Forensic Traumatology: A view-point, WOUNDCARECON-2024 – 16th Annual Conference of Wound Care and Research, 26 April 2024, Lucknow, UP

2. Recent Changes & Amendments in Laws- In Relation to Medical practice, National Ayush Medicolegal Conference, 22 June 2024, Pune Maharashtra
3. Medical Negligence vis-à-vis defensive Medicine- How far justified in current Indian scenario, Guest Lecture on Occasion of Doctor's day, 3 July 2024, Greater Noida, UP
4. Changing paradigm of Custodial Death Investigations in India during 21st Century- An experience from India, 19th International Forensic Medicine Congress of Council of Forensic Medicine, 23 September 2024, Antalya, TURKEY
5. Digital Autopsy (Virtopsy)- Journey so far and future ahead, 4th International Conference on Recent Advances in Forensic Sciences- Forensic Gyan-2024, 14 November 2024, Jaipur, Rajasthan
6. Current Status of Forensic Toxicology in India – An Update, 20th National Conference of Indian Society of Toxicology- TOXOCON 2024, 21 November 2024, Deoghar, Jharkhand
7. Dealing with Child Abuse in India- An Update, 12th International Conference of African Society of Forensic Medicine- ASFM- 2025, 10 March 2025, Pretoria South Africa
8. Sharing of placing Digital Autopsy (Virtopsy) services at AIIMS, New Delhi -An Experience, 22nd National Conference of Punjab Academy of Forensic Medicine & Toxicology- PAFMATCON 2024-2025, 20 March 2025, Dehradun Uttarakhand
9. Interdisciplinary approach for better Criminal Investigation System in India: Need of hour in Current Era of Technology, 10th Annual Conference on Recent Advances in Chemical and Environmental Sciences "RACE", 28 March 2025, Gwalior MP

Chittaranjan Behera

1. Time Series Analysis of COVID-19 Pandemic and Suicide Mortality Patterns in New Delhi, India, 20th European Symposium on suicide and Suicidal Behaviour (ESSSB20), 29 August 2024, Rome, Italy
2. UMID: India's First DNA database for identifying unidentified dead bodies, Guest lecture at Training course on "Advancing justice through DNA Technology, National Forensic Science University, Delhi Campus, 4 September 2024, New Delhi
3. Exploring Suicide Research in India, Guest lecture at 14th International conference of Indian Academy of Medicolegal experts, 30 September 2024, Jodhpur
4. Building Resources for the Diversification of Genomic Data on Suicide Mortality. Lecture as part of a symposium at 2024 World Congress of Psychiatric Genetics conference, 17 October 2024, Singapore
5. Exploring and implementing Molecular Research in Forensic Medicine, Guest lecture at Hands on workshop-III, Department of Forensic Medicine & Toxicology and Multidisciplinary Research Unit Maulana Azad Medical College, 22 November 2024, New Delhi
6. The first DNA database in India for identification of unidentified dead bodies. Guest lecture at Centurion University, 24 January 2025, Bhubaneswar
7. UMID: The first DNA database in India for identification of unidentified dead bodies,, Guest lecture during 46th Annual conference of Indian Academy of Forensic medicine (Forensic Medicon-2025) (Virtual), 30 January 2025, Chenai
8. Suicide Research in India, Guest lecture during Web meeting on Alzheimer's Disease and Suicide Research Group (Virtual), 31 January 2025, Marília, Brazil
7. DNA database and Identification portal for Identification of Unidentified bodies and Missing Persons in India (UMID Project, Guest lecture during Forensis Agora, 3rd International Conference Beyond the Evidence: Reflecting On Forensic Innovations to Shape the Future of Criminal Justice, 8 February 2025, Greater Noida
9. MOHFW recent guidelines on medico-legal response especially sexually assaulted victims and Role of medical personnel, Invited lecture during training programme on "Gender-based violence and Human rights for promoting Women' Health" at NIH& FW, 19 February 2025, New Delhi
10. Role of medical personnel and also on Child abuse and POCSO ACT, Invited lecture during training programme on "Gender-based violence and Human rights for promoting Women' Health" at NIH& FW, 19 February 2025, New Delhi
11. DNA Profiling and Database for Identification of Unidentified dead bodies in Mass Disaster, Guest lecture during CME at Maulana Azad Medical College, 22 February 2025, New Delhi

12. Multidisciplinary & Multicentric Research Collaborations in Forensic Medicine, Guest lecture during 5th Annual AIIMS, Forensic Guild conclave, 6 March 2025, Konark
13. India's First DNA database for identifying unidentified dead bodies, Training course on Advancing justice through DNA Technology, National Forensic Science University, Delhi Campus, 18 March 2025, New Delhi

Abhishek Yadav

1. PMCT Angiography, Virtual Autopsy Workshop held in Coordination with International Committee of Red Cross, New Delhi Delegation, 24 April 2024, New Delhi
2. PMCT Angiography, CME-From death to Diagnosis: PMCT Angiography in Death Investigation and Management of Snake Bite, 6 September 2024, Bathinda
3. Handling Medico legal Cases, Training workshop on Medical Ethics & Medico Legal Issues organized for Medical officers of Madhya Pradesh Government, 17 September 2024, Bhopal
4. Handling Medico legal Cases, Training workshop on "Medical Ethics & Medico Legal Issues" organized for Medical officers of Madhya Pradesh Government, 24 September 2024, Bhopal
5. Forensic Immunohistochemistry, 5th Annual AIIMS Forensic Guild 2025, 7 March 2025, Konark

Swati Tyagi

1. Virtual Autopsy in Diagnosis of Sudden Unexplained Death in the Young, Workshop on Virtual Autopsy, jointly organized by ICRC and ICMR Headquarters, 24 April 2024, New Delhi
2. Role of Virtual Autopsy in Forensic Anthropology, Workshop on Virtual Autopsy, jointly organized by ICRC and ICMR Headquarters, 24 April 2024, New Delhi
3. Prevention of Sexual Harassment of Women at Workplace, Training and Awareness Program, 28 January 2025, New Delhi
4. Overview of Mortuary Management and Postmortem Techniques, Training of forensic pathologists from Bhutan as part of a skill development programme at AIIMS, 1 April 2025, New Delhi

Abilash S

1. Virtual Autopsy in Diagnosis of Sudden Unexplained Death in young, Virtual Autopsy Workshop, 24 April 2024, New Delhi
2. Role of Virtual Autopsy in Forensic Anthropology, Virtual Autopsy Workshop, 24 April 2024, New Delhi
3. Medicolegal documentation, Advanced Emergency Burn Management Training under National Programme for Prevention, 4 September 2024, New Delhi
4. Legal issues in Skin Donation, Advanced Emergency Burn Management Training under National Programme for Prevention, 21 December 2024, New Delhi
5. Medicolegal documentation, Advanced Emergency Burn Management Training' under National Programme for Prevention, 8 January 2025, New Delhi
6. Medicolegal documentation, Advanced Emergency Burn Management Training' under National Programme for Prevention, 5 February 2025, New Delhi
7. Medicolegal documentation, Advanced Emergency Burn Management Training' under National Programme for Prevention, 5 March 2025, New Delhi

AK Jaiswal

1. Forensic Skilling in Toxicology, Hands on Workshop on Forensic Skilling at Department of Forensic Sciences, National Forensic Science University, 22 April 2024, New Delhi

Total number of lectures delivered

2022-2023	2023-2024	2024-2025
20	38	9

1. Aggarwal K, Mohapatra BK, Chauhan K, Singh H, Sharma N, Behera, Exploring the Effects of Temperature-Dependent Mitochondrial DNA Sequencing from Incinerated Tooth Samples: A Preliminary Study, Congress of the International Society for Forensic genetics, 9-13 September 2024, Santiago de Compostela, Spain.
2. Ayushmaan, Gokul G, Yadav A, Gupta SK, The Delhi Cocktail and crisis of substance abuse- An autopsy-based case series, 46th Annual National Conference of Indian Academy of Forensic Medicine(Forensic Medicon-2025), 01 February 2025, Chennai
3. Balaji D, Ali Z, Gokul G, Abilash S, Divya R, Tyagi S et al, PMCT Evaluation of Medial Clavicular Epiphysis Fusion for Age Estimation in the North Indian Population, 46th Annual National Conference of Indian Academy of Forensic Medicine (Forensic Medicon-2025), 01 February 2025, Chennai
4. Benito P, Kumar A, Yadav A, Evaluating postmortem CT versus conventional autopsy in road traffic accident fatalities: A narrative review. IAMLECON 2024, 30 September-01 October 2024, AIIMS, Jodhpur
5. Gokul G, Yadav A, Hussain T, Abilash S, Tyagi S, Gupta SK, Investigating dynamics of postmortem lividity fixation, 46th Annual National Conference of Indian Academy of Forensic Medicine(Forensic Medicon-2025), 01 February 2025, Chennai
6. Gokul G, Abilash S, Babu MN, Karthi VR, Tyagi S, Gupta SK, Diagnostic Intricacies in Positional Asphyxia: Insights from a Case Study and Literature Overview, 46th Annual National Conference of Indian Academy of Forensic Medicine(Forensic Medicon-2025), 1 February 2025, Chennai
7. Hussain T, Divya R, Yadav A, Abilash. S, Gupta SK, The unforeseen tragedy of chemotherapy- A fatal outcome, 46th Annual National Conference of Indian Academy of Forensic Medicine(Forensic Medicon-2025, 01 February 2025, Chennai
8. Kaushik R, Behera C, Patra BN, Nayak B. Cytokine Gene Polymorphisms and Suicide Risk in the Indian Population: A Case- Control Study, 20th European Symposium on suicide and Suicidal Behaviour (ESSSB20), 28-31 August 2024, Rome, Italy
9. Kaushik R, Behera C, Satapathy S. Bridging Genetics and Behavior: SNPs and Psychological Autopsy in Suicide Investigations, International Association of Suicide Prevention, 03-06 June 2024, Bangkok, Thailand (Virtual)
10. Kaushik R, Behera C, Satapathy S, Understanding Suicide: The Complex Relationship Between Genetics, Psychopathology, and Behaviour, 24th WPA World Congress of Psychiatry, 14-17 November 2024, Mexico City (Virtual)
11. Kaushik R, Behera C, Epigenetic Determinants of Suicidal Behavior: Preliminary findings from an Indian Cohort, World Congress of Psychiatric Genetics, 15-19 October 2024, Singapore
12. Kaushik R, Goyal M, Behera C, A Genome-Wide Approach to Epigenetic Markers of Suicide in Indian Populations, 4th Annual Research Day, 29-30 January2024, New Delhi
13. Panga SK, Hussain T, Gupta P, Pandit JN, Yadav A, Gupta SK, PMCT based metric analysis of the first lumbar vertebra for sex determination and age estimation, 46th Annual National Conference of Indian Academy of Forensic Medicine(Forensic Medicon-2025, 01 February 2025, Chennai
14. Shukla P, Satapathy S, Behera C, Barriers to Accessing Postvention Support Services for Suicide Loss Survivors in India: A Qualitative Study on Structural, Attitudinal, Knowledge, and Cultural Challenges, 24th WPA World Congress of Psychiatry, 14-17 November 2024, Mexico City (Virtual)
15. Shukla P, Verma R, Namboodiri SB, Jain S, Gupta K, Aggarwal K, et al, A Comprehensive DNA-Based Identification System for Unidentified Dead Bodies in India, 4th Annual Research Day, 29-30 January 2024, New Delhi
16. Shukla P, Satapathy S, Behera C, Addressing the Needs of Suicide Loss Survivors: A Postvention Approach for India, 4th Annual Research Day, 29-30 January 2024, New Delhi
17. Singh K, Kaur R, Behera C, Balhara YPS, Suicide deaths in South and South-east districts of Delhi during Pre and Post-COVID-19 period- A comparative analysis, 4th Annual Research Day, 29-30 January 2024, New Delhi
18. Singh K, Behera C, Kaur R, Srivastava P, A comprehensive review of polymorphic markets: Exploring Genetic Diversity in India, INBIX-ADNAT 2024, 28 -30 November 2024, Varanasi
19. Sinha PK, Adarsh Kumar A, Advancements and Challenges: A Critical Review of Artificial Intelligence Applications in Craniofacial Reconstruction for Forensic Identification in India, 26th Triennial Meeting of the International Academy of Legal Medicine "IALM-2024", 21-23 May 2024, Athens, Greece
20. Yadav A, Kumari M, Difficulties and challenges in Whole body PMCT angiography in the first Virtual Autopsy center of India, 26th Congress of IALM 2024, 23 May 2024, Athens, Greece

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
40	17	20

RESEARCH

Funded projects

Ongoing

1. An exploratory case-control study to assess the risk and protective factors for completed suicide among persons with psychoactive substance abuse, Dr. Chittaranjan Behera, AIIMS Interdisciplinary Intramural, 2 Years, 2023-2025, Rs 10 Lakhs
2. Building Resources for the Diversification of Genetic Data on Suicide Death, Dr. Chittaranjan Behera, NIMH, USA, 5 Years, 2024-2029, Rs 800 Lakhs
3. Establishing the cause in sudden unexplained deaths in young, Dr. Sudhir K Gupta, ICMR, 2 years, 2023-2025, Rs 87 lakhs
4. Genome wide DNA methylation profiling to study role of epigenetic modification in suicide completers, Dr. Chittaranjan Behera, DBT, 3 Years, 2023-2026, Rs 120.62 Lakhs
5. Multicentric Task Force Project-Establishment of a multicenter Identification portal and DNA database for identification of unidentified dead bodies in India by using molecular, bioinformatics tools and techniques, Dr. Chittaranjan Behera, ICMR, 3 Years, 2023-2026, Rs 389.91 Lakhs

Completed

1. Centre of Advanced research and excellence in Virtual Autopsy, Dr. Sudhir K Gupta, ICMR, 5 Years, 2019-2024, Rs 500 Lakhs
2. Determination of relationship in third degree maternal relative by mitochondrial DNA analysis, Dr. Nidhi Sharma, AIIMS Intramural, 2 Years, 2022-2024, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A study on the effect of genetic manipulation in mammalian inner ear cells.
2. Age estimation by radiological study of bones and joints
3. Association between suicide and toxoplasma gondii infection: a hospital based case-control study
4. Cadaveric skin Transplantation in burns patient
5. Comparative analysis of PMCT virtual autopsy and traditional autopsy in sudden unexplained nonviolent deaths
6. Comparative analysis of virtual autopsy and traditional autopsy with multiple organ histopathology in sudden unexplained and unexpected deaths
7. Comparative Analysis of Virtual Autopsy and Traditional Autopsy with Multiple Organ Histopathology in Sudden Unexplained and Unexpected Deaths
8. Comparative study of Cerebral non contrast postmortem CT, CT Angiography and traditional autopsy in cases of head trauma and suspected sudden death
9. Comparative study of findings of post-mortem CT angiography, unenhanced CT and Traditional autopsy in suspected sudden death of cardiac and pulmonary origin
10. CT Scan and Digital X-ray Based Virtual Autopsy Vis A Vis Traditional Autopsy including Histopathological Examination Findings in Cases of Death due to Fatal Pressure on Neck
11. Digital autopsy with computerized tomographic scanning and dignified management of the dead
12. Effect of ACE inhibitors and angiotensin receptors blockers on renin angiotensin system markers in brain tissue of postmortem subjects with depression

13. Establishing The Cause In Sudden Unexplained Deaths In Young
14. Estimating Age by the study of ossification centers using computed tomography scans of Sacrum and Sternum in North Indian Population
15. Evaluation of CRISPR mediated ATOH1 knock in on hair cells differentiation in cell lines derived from Murine Organ of Corti.
16. Genetic characterization and Genotypic phenotypic correlation in inherited cardiomyopathies
17. Genetic landscape of cardiomyopathies
18. Gross and microscopic features of organs in suspected and confirmed cases of poisoning.
19. Identification of semen samples using MRNA as molecular marker
20. Integrated Evaluation of Postmortem Coronary Artery Pathology: Correlation of Gross Examination, PMCT, and Coronary Explant Angiography
21. Morphological and genetic evaluation of sudden cardiac death
22. MYH7 Gene mutation in inherited cardiomyopathies
23. PM CT Angiography
24. Study of Fibrosis in Cardiovascular Disease: FIBICAR Study
25. Study of pulmonary pathology using CT scan based virtual autopsy and traditional autopsy in various non-traumatic causes of death
26. Study on MYBPC3 gene mutations in patients of primary cardiomyopathies
27. The 'Forensomics' approach for postmortem Interval Estimation from the human liver and toxicity by integrating metabolomics and lipidomics
28. Trauma focused Postvention Module for family and friends of victims of completed suicide- Development and Validation
29. Viability Assessment of different organs and tissues in Non-heart beating cadavers for Transplantation Purposes.

Completed

1. A comparative analysis of Post-mortem CT findings with that of Violent Asphyxial deaths.
2. A Comparative Study of Ethyl Alcohol in Human Blood, Urine, Vitreous Humor, and Cerebrospinal Fluid in Cases Brought for Post-mortem Examination in AIIMS Mortuary.
3. Mitochondrial DNA analysis in Post Mortem Samples under Degrading Conditions to establish relatedness.

Collaborative projects

Ongoing

1. Defining the Fc receptor based immune landscape in rheumatic heart diseases, Department of Cardiac Biochemistry
2. Development and evaluation of rapid fingerprint restoration solution for dried decomposed fingertips in Indian climatic conditions: a comparative analysis of methodologies, variation in pH and temperature, Department of Forensic Medicine & Toxicology, KMC, Manipal
3. Development and method validation for Z-drugs and Tramadol analysis in biological matrices, National Forensic Science University, Delhi campus
4. Editing of Atoh1 in cadaver derived supporting cells for the regeneration of auditory cells, Department of Biochemistry and ENT
5. Effect of antidepressants and add-on therapy of renin-angiotensin-aldosterone system (RAAS) modulators on treatment response in subjects with depression: Correlation analysis with RAAS related biomarkers and their gene expression, Department of Pharmacology
6. Epidemiological investigation of suicide deaths during the COVID-19 Pandemic in south and south- east districts of Delhi, Department of Community Medicine

7. Evaluation of immune modulatory and antioxidant potential of a unani formulation, Department of Ocular Biochemistry, AIIMS
8. Evaluation of prevalence of cyanide poisoning in patients of flame burn injuries admitted at a tertiary health care facility, Department of Burns and Plastic Surgery
9. Impact of alcohol on dysregulation of inflammation and recovery of trauma hemorrhagic shock patients, JPNATC AIIMS
10. Impact of Host Genomic Landscape and Environmental Factors on Gut Microbiome Profiles in Children with Congenital Uropathies Prone to Urinary Tract Infections, Department of Pediatric Surgery
11. Influence of Vitamin D-binding protein gene polymorphisms on microbiome-metabolome profiles of children with congenital uropathies prone to urinary tract, Department of Pediatric Surgery
12. Investigating DNA Methylation Profiles in Pediatric Patients with Posterior Urethral Valve (PUV) Prone to Chronic Kidney Disease (CKD), Department of Pediatric Surgery
13. The evaluation of STR markers in various Global and Indian populations for exploring the correlation between genotype and geolocation, National Forensic Science University, Delhi campus

Completed

1. Ameliorative effects of selenium and selenium nano-particles on nicotine- induced hematotoxicity, oxidative damage and reproductive toxicity in male albino rat, Forensic Medicine & Clinical Toxicology, Faculty of Medicine, Benha University, Egypt
2. An exploratory study on the interface of social media and completed suicides, Department of Psychiatry
3. Comparison of suction verses microdissection method for harvesting supporting cell from inner ear, Department of E.N.T
4. Sudden cardiac death in young: An autopsy and molecular study to identify the cause, Department of Pathology

Component	2022-2023	2023-2024	2024-2025
Total number of funding received for research	3	6	5
Total amount of funding received for research in Rs.	Rs 96.50 Lakhs	Rs 362.57 Lakhs	Rs 244.36 Lakhs

Publications:

Journals: 17 **Books & Monographs: 01**

Publications

Item	2022-2023	2023-2024	2024-2025
Total	30	24	18
Journal articles	27	24	17
Abstracts	0	0	0
Chapters in books	0	0	0
Books	03	0	1

PATIENT CARE

In patient care/supportive activities include information regarding:

(a) facilities available in the department (including special clinics and/or special laboratory facilities
(b) community services/camps etc.

Number of patient-care related activities - specialty clinics, procedures, investigations etc.

Sl. No.	Item		2022-23	2023-2024	2024-2025
1.	Medico legal Postmortem		1523	1564	1750
2.	Clinical Forensic Medicine	Potency and other Medico legal examination	578	503	539
		CBI Cases	27	13	16
		Subsequent opinion	380	280	336
3.	Summons		409	458	572
4.	Toxicology Laboratory services	No. of cases	249	47	175
		No. of Tests	1643	336	414
5.	Embalming		134	141	104
6.	Forensic	X-Rays in no. of cases	116	74	01
	Radiology	CT Scan in no. of cases	1214	1271	1377
	Services	Virtual Autopsy in no. of cases	-	45	59
7.	Forensic Anthropology Services (Age estimation) in no. of cases		16	01	0
8.	Forensic Histopathology in no. of case		121	73	128
9.	DNA Fingerprinting Laboratory		DNA –Profiling of unidentified bodies sample(s): (186 cases and 125 runs for profiling). Research Samples (blood & saliva) processed for DNA Isolation and Quantitation of DNA (201-samples). Samples performed for other technique's-PCR: 912, Real Time PCR:64, Sequencing PCR:105, RFLP: 233, STR Profiling:32.	DNA –Profiling of unidentified bodies sample (hairs, tooth pulp, Blood in gauze) processed: DNA Isolation, Quantitation of DNA and sample RUNS (Total of cases -563, Multiplex PCR in 287 and 105 runs for profiling). Research Samples (blood & saliva) processed for DNA Isolation and Quantitation of DNA (465-samples). Samples performed for other technique's-, DNA Isolation and quantification: 275, Total PCR:3350[PCR: 1700(Mt DNA), Sequence PCR: 1100(Mt DNA), Exosap PCR: 550(Mt DNA)], Sanger Sequencing generates (F&R):870, Alcohol testing:115, Multidrug screening:100 for research samples.	DNA –Profiling of unidentified and known bodies for DNA database (hairs, tooth pulp, Blood in gauze) processed: sample RUNS (Total of cases -1427, Multiplex PCR in 1288 and 161 runs for profiling). Research Samples (blood, gauze, soft tissues, tooth & saliva) processed for DNA Isolation and Quantitation of DNA (898-samples). Samples performed for other technique's-, DNA Isolation and quantification: 165, Total PCR:4200[PCR: 1900(Mt DNA), Sequence PCR: 2300(Mt DNA), Exosap Cleanup: 835(Mt DNA)], Sanger Sequencing generates (F&R):1900, Alcohol testing:395, Multidrug screening:159 for research samples.
10.	Organ Retrieval for Therapeutic Transplantation (No. of corneas retrieved)		208	152	140

A. Casualty services:

Providing round-the-clock medico-legal services like in cases of injury, sexual offences, poisoning etc. to the South and South-east district of Delhi.

B. Mortuary Services

Total **1750** medico legal autopsies were conducted at mortuary of main department.

C. Clinical Forensic Medicine

Total **539** cases of potency and other medico-legal examination brought by investigating officer and referred from court were dealt by the department. A total of **16** cases from CBI were dealt by medical board of the department. A subsequent opinion in complicated cases including reference from casualty etc. was offered in total **336** cases.

D. Summons

Doctors of the department attended court of law in **572** cases from Delhi and other states

E. Medical Toxicology

Total **175** cases received, **180** samples were examined, **414** tests were performed for various poisons referred from the clinical department of AIIMS, medico-legal cases and in academic cases.

F. Forensic Histopathology

The department is providing histopathology services for the samples of medico-legal autopsy cases from South and South-east district and also research purpose. Total **128** cases were done and **1309** slide**s** were made during this period.

G. Embalming facility

The department is providing embalming facility for MLC cases (Postmortem cases). Total **104** cases of embalming were done during this period.

H. Organ Retrieval for Therapeutic Transplantation

Total **140** corneas from **70** donors were retrieved at mortuary for transplantation by National Eye bank.

I. Forensic Radiology Services

X-ray was done **01** cases (Total 0**2** X-Rays were done), for various medico legal and academic purposes (both autopsy and live cases). CT Scan service was provided to **1377** cases(PMCT) for various medico legal and academic purposes during autopsy. Virtual autopsy was conducted in **59** cases.

J. DNA Fingerprinting Laboratory

DNA –Profiling of unidentified and known bodies for DNA database (hairs, tooth pulp, Blood in gauze) processed: sample RUNS (Total of cases **-1427**, Multiplex PCR in **1288** and **161** runs for profiling). Research Samples (blood, gauze, soft tissues, tooth & saliva) processed for DNA Isolation and Quantitation of DNA (**898**-samples). Samples performed for other technique's-, DNA Isolation and quantification: **165**, Total PCR:**4200**[PCR**: 1900**(Mt DNA), Sequence PCR: **2300**(Mt DNA), Exosap Cleanup: **835**(Mt DNA)], Sanger Sequencing generates (F&R):**1900**, Alcohol testing:**395**, Multidrug screening:**159** for research samples.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Adarsh Kumar was included as International Scientific Committee Member for 26th Triennial Conference of International Academy of Legal Medicine- IALM-2024 organized at Athens, Greece on 21-23 May 2024. Also Chaired the session on "Child Abuse" in this top most conference of world in the field of forensic medicine. Guest of honor at 10th Annual Conference on Recent Advances in Chemical and Environmental Sciences RACE at Gwalior on 28 March 2025. Elected Secretary General of Indo-pacific Association of Law, Medicine & Science (INPALMS). Elected Vice President of Indian Academy of Forensic Medicine. Delivered Special Invited Lecture on Occasion of Forensic Medicine Day Quaestio Forensis on 12 May 2024 at Agra, UP. Imparted training to police personnel at Dist. Shimdega, Jharkhand to know about postmortem examination and its intricacies in view of implementation of new law on 10 August 2024. Resource person for workshop on Basics of Forensic Anthropology at Bhopal, MP on 9-10 September 2024. Board of Studies Member-External Expert in Forensic Sciences at The West Bengal University of Juridical Sciences, Kolkata, Board of Studies Member-External Expert in Forensic Medicine & Forensic Sciences at Manipal University, Manipal, Board of studies Member in Forensic Sciences at Government Institute of Forensic Sciences, Nagpur. Research Advisory Committee member of National Forensic Science University, Ahmedabad, and New Delhi campuses, Board of Studies Member-External Expert in Forensic Medicine at Aligarh Muslim University, Aligarh, Board of Studies Member-External Expert in Forensic Sciences at Maharshi Dayanand University, Rohtak. Honorary Medicolegal Expert to National Human Rights Commission, India.

Professor Chittaranjan Behera: Chairman enquiry committee to Investigate into the serious incident in the Labour Room of CRHSP, Ballabhgarh. Member standing medical board at AIIMS for MTP beyond 24 weeks of gestation. Subject Expert for SR selection at AIIMS, BBSR and Expert for selection of research staff at AIIMS. Advanced Training in the field of Medical Science & Management for AIIMS and relevant Institutes -Medical Device Development and Social Implementation (as a Trainee) from 28th July to 3rd August 2024 at Japan. Advisor for the workshop of SARANSH (Systematic Reviews and Networking Support in Health held at AIIMS, New Delhi on 18, December2024. Assistant editor of International Journal of Medical Toxicology & Legal Medicine, Associate Editor of IP International Journal of Forensic Medicine and Toxicological Sciences, Editorial board member of ARC Journal of Forensic Sciences, Annals of Forensic Research and Analysis, Sci Fed Journal of Forensic, Journal of Forensic Medicine, IP International Journal of Forensic Medicine and Toxicological Sciences, Editorial advisory board of Indian Journal of Forensic Medicine and Toxicology. Reviewer of Scientific Journals: Reviewed articles of reputed international journals (Pub-Med Indexed) like Journal of Neurosciences in Rural Practice.

Professor Abhishek Yadav received Certificate of Appreciation in CME 'From death to Diagnosis: PMCT Angiography in Death Investigation and Management of Snake Bite", at AIIMS Bathinda, 6th September 2024. Chairperson for session for Faculty Presentation in 46th Annual National Conference of Indian Academy of Forensic Medicine: Forensic Medicon 2024, 31st to 2nd January 2025 at ESIC Medical College & PGISMR, Chennai. Chaired a session for Faculty Presentation in 5th Annual AIIMS Forensic Guild 2025, 6th to 7h March 2025 at AIIMS Bhubaneswar. Resource person in ICMR Workshop on Sudden Death in Young, Department of Forensic Medicine & Toxicology, AIIMS, New Delhi-A collaboration of AIIMS New Delhi, ICMR HQs Delhi, 23rd November 2024. Resource person for Forensic Capacity Building Training for Bhutan Delegates at Department of Forensic Medicine & Toxicology, AIIMS, New Delhi, 24 June 2024 to 28 June 2024. Editor-in-Chief of 'RFP- Journal of Hospital Administration. Editorial board member of the Journals- Indian Journal of Forensic Medicine & Pathology, ARC Journal of Forensic Science, Journal of Forensic Chemistry & Toxicology, Medical Case reports. Reviewer in the "Journal of Indian academy of Forensic Medicine", which is National Body of the specialty and Journal of Forensic Science and Medicine. DC member in PHD doctoral committee of students in Department of Anatomy, Pharmacology, and Lab oncology, AIIMS, New Delhi. Advisory expert for setting up of Histo-pathological & Toxicology Labs in hospitals in government of NCT Delhi, under the Chairmanship of Principal Secretary, Home department, Delhi Govt. Subject expert in appeal cases in National Medical Commission. Member of committee for formulating Guidelines on brought dead cases in Government Hospitals, DGHS, Ministry of Health and family welfare. Committee Member for QCBS for providing contractual Nursing/Paramedical, ministerial staff and Security Manpower services in ESIC Medical College & Hospital, Faridabad, Haryana. Member of Sub-committee to finalize the list of equipment required for setting up of 150 Bedded Critical Care Block at AIIMS, Jodhpur. Coordinator for providing Expert help for starting Virtual Autopsy in Gujarat. Nominated for collaboration with CDSCO for strengthening scientific and regulatory capabilities. Member of standing expert Committee to develop a detailed National Strategy and action plan to minimizing drug overdose deaths. AIIMS Standing Medical Board member to decide on Medical Termination of Pregnancy beyond 24 weeks of gestation. Member of multidisciplinary Medical Appellate Board for Sports Authority of India Medical-to redress age dispute cases in Young athletes at National Level. Member of Medical Boards in Multi institutional Medical Boards constituted in different hospitals of Delhi for Custodial Death Investigation like MAMC, BR Ambedkar, UCMS, DDU etc.

VISITING SCIENTIST

Nil

9.13 Gastroenterology and Human Nutrition

Professor and Head of Department
Pramod Kumar Garg

Professors
Vineet Ahuja
Govind Makharia
Shalimar
Baibaswata Nayak

Additional Professor
Deepak Gunjan

Assistant Professors
Soumya Jagannath Mahapatra

HIGHLIGHTS

Since its inception in 1971, the department has delivered state-of-the-art services and provided specialized training in the fields of luminal gastroenterology, pancreato-biliary sciences, hepatology, and endoscopy. It has been consistently recognized as India's leading Department of Gastroenterology, earning top rankings in national surveys conducted by prominent organisations over several years. Currently, the chiefs of gastroenterology in major institutions of the country are alumni of this department. During 2024–2025, the department continued its commitment to training future gastroenterologists, delivering high-quality patient care, and producing research that shapes clinical practice in gastroenterology. Faculty, residents, and PhD students have received numerous accolades, including best paper awards and travel grants at national and international conferences. Additionally, the department's faculty have played a key role in initiating and coordinating the development of national guidelines for various gastrointestinal diseases.

EDUCATION

The department continued its academic training programs, including the DM in Gastroenterology and the PhD in Gastroenterology and Human Nutrition. It also actively contributed to the education of undergraduate and postgraduate students. In addition, the department enrols post-DM residents in one-year fellowship program for specialised training in advanced endoscopy, pancreatology, inflammatory bowel disease (IBD) and hepatology.

Long term training:

23 DM students
05 PhD students
06 Fellows (Post-DM) in Advanced GI Endoscopy, Pancreatology, Inflammatory bowel disease and Hepatology

CMEs/Workshops/Symposia/National & International Conferences

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 114

Pramod Kumar Garg: 14 **Vineet Ahuja: 43**

Govind Makharia: 28 **Shalimar: 8**

Baibaswata Nayak: 3 **Deepak Gunjan: 11**

Soumya Jagannath Mahapatra: 7

Pramod Kumar Garg

1. Approach to Incidental SOL in the Pancreas, BIG Update CANCON, Annual Conference of Bhopal Institute of Gastroenterology, 6 April 2024, Bhopal, Madhya Pradesh
2. Pancreas Symposium on Pancreatic Fluid Collections, ENDOCON, Annual Conference of the Society of Gastrointestinal Endoscopy of India, 19 April 2024, New Delhi
3. Acute Pancreatitis, Johns Hopkins Medicine International (JHMI), 15 May 2024, Maryland, USA
4. State-of-the Art Presentation: Unlocking Genomic Insights, Digestive Disease Week (DDW), 18 May 2024, Washington, USA

5. Current Management of Chronic Pancreatitis, Annual Meeting of the Chinese Association of Pancreatology, 22 June 2024, Hangzhou, China
6. Case capsule on Acute Pancreatitis, Annual Meeting of the Indian Pancreas Club, 2 July 2024, Hyderabad, Telangana
7. Endoscopic Management of Pancreatic Collection, UP-ISGCON, 2024, 17 August 2024, Uttar Pradesh
8. Early management of Acute Pancreatitis, 8th PGI GI Emergency Postgraduate Program, organized by PGIMER, Chandigarh, 14 September 2024, Chandigarh
9. EUS-TA for Genetic Analysis, Asian EUS Korea – EUS Summit, 13 October 2024, Seoul, South Korea
10. Potential Targets of Controlling Systemic Inflammation and Organ Failure in Acute Pancreatitis, Asia Pacific Digestive Week 2024, 24 November 2024, Bali, Indonesia
11. Concept of organ failure in severe acute pancreatitis, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology, 4 December 2024, Varanasi, Uttar Pradesh
12. Systemic Inflammation and Organ Failure in Acute Pancreatitis: Therapeutic Strategies, APA/JPS/CAP/IAP Annual Meeting, 11 December 2024, Hawaii, USA
13. Importance of Research/Grant Writing, Mastering Grant Writing: From Concept to Proposal organized by Medical Education Unit, AIIMS Gorakhpur, 2 February 2025, Gorakhpur, Uttar Pradesh
14. Common Reasons for Rejection of Grant Proposal, and Tips for Success, Mastering Grant Writing: From Concept to Proposal organized by Medical Education Unit, AIIMS Gorakhpur, 2 February 2025, Gorakhpur, Uttar Pradesh

Vineet Ahuja

1. Team-work – A key element for clinical practice and research, 5th APAGE Clinical Forum on Inflammatory Bowel Disease, 4 April 2024, Danang, Vietnam
2. Clinical Researcher: A profile, 5th APAGE Clinical Forum on Inflammatory Bowel Disease, 5 April 2024, Danang, Vietnam
3. Panel Discussion, IOIBD Annual General Meeting, 12 April 2024, Florence, Italy
4. Crohn's Disease: Which drug, when and where? Choithram Hospital and Research Centre, Indore, 17 April 2024, Indore, Madhya Pradesh
5. Grand Rounds on IBD, American College of Gastroenterology Virtual Grand Rounds, 23 April 2024, Online
6. De-escalating therapy in IBD, KPLD 2024: Kalinga perspective of Liver and Digestive Disease, 27 April 2024, Bhubaneswar, Orissa
7. IBD Pearls, Kolkata Gut Club, 28 April 2024, Kolkata, West Bengal
8. Examination Strategies, Gastroenterology Young Masters organized by Indian Society of Gastroenterology, 5 May 2024, Coimbatore, Tamil Nadu
9. IBD Master Class, Bihar chapter of Indian Society of Gastroenterology, 11 May 2024, Patna, Bihar
10. Exposome and IBD, Digestive Disease Week (DDW), 19 May 2024, Washington, USA
11. Diet in IBD, IBD Research Meeting, Benagaluru, 2 June 2024, Online
12. Dietary strategies in IBD, APC Microbiome, University College Cork, 5 June 2024, Cork, Ireland
13. Integrating Microbiome and Dietary Approaches for treating Inflammatory Bowel Disease, APC Microbiome, University College Cork, 26 June 2024, Cork, Ireland
14. Lower GI bleed, Annual meeting of Nepal Society of Gastroenterology, 24 August 2024, Kathmandu, Nepal
15. Examination Skills, Gastroenterology Young Masters organized by Indian Society of Gastroenterology, 30 August 2024, New Delhi
16. Advanced Algorithms for Ulcerative Colitis, SGRH annual meeting, New Delhi, 6 September 2024, New Delhi
17. Dietary Interventions IBD, Gastro Diet 2024, Kuala Lumpur, 28 September 2024, Kuala Lumpur, Malaysia
18. Crohn's Disease - Case Discussion, 8th Annual Crohn's & Colitis Foundation (CCFI) Meeting, 4 October 2024, Vizag, Andhra Pradesh

19. IBD Difficult cases, SN Medical College, Jodhpur, 12 October 2024, Jodhpur, Rajasthan
20. Positioning Advanced Therapy in IBD, GI Confluence, 19 October 2024, New Delhi
21. Immunology of IBD, Advanced Immunology Course organized by National Institute of Immunology, 25 October 2024, New Delhi
22. Immunopathogenesis of IBD, Asia Pacific Digestive Week 2024, 22 November 2024, Bali, Indonesia
23. Sequencing of Advanced therapy in IBD, Asia Pacific Digestive Week 2024, 23 November 2024, Bali, Indonesia
24. Gut Microbiome Simplified, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology, 4 December 2024, Varanasi, Uttar Pradesh
25. Exome sequencing: A Clinician's primer, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology, 4 December 2024, Varanasi, Uttar Pradesh
26. Pathobionts to Microbiome Manipulation Therapy IBD, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology, 4 December 2024, Varanasi, Uttar Pradesh
27. Advanced therapy in IBD, East Delhi Physicians, New Delhi, 22 December 2024, New Delhi
28. Oral small molecules, Rajasthan Midterm ISG, Kota, 11 January 2025, Kota, Rajasthan
29. Refractory Proctitis, Webinar organized by Crohn's & Colitis Foundation (CCFI), 17 January 2025, Online
30. IBD 2024, Best of ACG, 20 January 2025, New Delhi
31. Microbiome simplified, Webinar organized by Happiest Health, 28 January 2025, Online
32. Newer Biologics and oral small molecules, ISGCON, West Bengal chapter of Indian Society of Gastroenterology, 1 February 2025, Purulia, West Bengal
33. Approaching a burned out IBD patient: Better late than never, ISGCON, Kerala chapter of Indian Society of Gastroenterology, 9 February 2025, Kollam, Kerala
34. Faecal Microbial transplantation, Mid Term Meeting of Indian Association of Surgical Gastroenterology, 14 February 2025, Hyderabad, Telangana
35. Antimicrobial Resistance and FMT, 15th India Probiotic Symposium, PGIMER, Chandigarh, 22 February 2025, Chandigarh
36. IBD Difficult Cases, Jaipur Gastro Club, Jaipur, 25 February 2025, Jaipur, Rajasthan
37. Current Concepts Biological therapy, Orrisa IBD Consortium, 1 March 2025, Puri, Orissa
38. Sequencing Advanced Therapy, IBD School, Season 2.0, organized by CCFI, 7 March 2025, Ludhiana, Punjab
39. Diet and IBD, IBD School, Season 2.0, organized by CCFI, 8 March 2025, Ludhiana, Punjab
40. Approach to Chronic Diarrhoea, Gastroenterology Reviews & Insights for Physicians (GRIP), 16 March 2025, Jodhpur, Rajasthan
41. Diagnosing IBD, Gastroenterology Reviews & Insights for Physicians (GRIP), 16 March 2025, Jodhpur, Rajasthan
42. Primary sclerosing cholangitis, Falk Symposium, Sydney, Australia, 22 March 2025, Sydney, Australia
43. Faecal Microbial Transplantation: Where do we go now? IOIBD Annual General Meeting, 28 March 2025, Auckland, New Zealand

Govind Makharia

1. How to – Practical session on study designs, 5th APAGE Clinical Forum on Inflammatory Bowel Disease, 4 April 2024, Da Nang City, Vietnam
2. When to call the surgeon, 5th APAGE Clinical Forum on Inflammatory Bowel Disease, 6 April 2024, Da Nang City, Vietnam
3. Case discussion -, Gastroenterology Young Masters organized by Indian Society of Gastroenterology, 3 May 2024, Coimbatore, Tamil Nadu
4. Chronic constipation & irritable bowel syndrome, Gastroenterology Reviews & Insights for Physicians (GRIP), 26 May 2024, Chennai, Tamil Nadu
5. Your Digestive Health - Diagnose Early - Don't Wait for Classical Symptoms, World Digestive Health Day 2024, 29 May 2024, Bhubaneswar, Orissa

6. Chronic Diarrhea Demystified: A Diagnostic Algorithm for Clinicians, Annual GASTROPLUS EDGE (Education in Gastroenterology and Endoscopy) program, 1 June 2024, Ahmedabad, Gujarat
7. Approach to Chronic Diarrhea & Chronic Constipation, Gastroenterology Reviews & Insights for Physicians (GRIP) Program, 9 June 2024, Lucknow, Uttar Pradesh
8. Hyperbaric Oxygen Therapy in Crohn's Disease, 12th annual meeting of Asian Organization for Crohn's and Colitis (AOCC 2024), 13 June 2024, Xi'an, China
9. Eosinophilic esophagitis, Diseases of Esophagus, 5 July 2024, Indore, Madhya Pradesh
10. Approach to Chronic diarrhea and Chronic constipation, Gastroenterology Reviews & Insights for Physicians (GRIP), Program. 14 July 2024, Patna, Bihar
11. Functional diarrhea and irritable bowel syndrome, GIFTCON 2024 organised by The Gastro Intestinal Foundation, 26 July 2024, Goa
12. Celiac Disease and Cryptogenic Liver Disease, 32nd Annual Scientific Meeting of the Indian National Association for Study of the Liver (INSAL)-2024, 9 August 2024, Kochi, Kerala
13. Approach to Intestinal Stricture, 8th PGI GI Emergency Postgraduate Program, organized by PGIMER, Chandigarh, 14 September 2024, Chandigarh
14. Approach to Chronic Constipation, Gastroenterology CME: Back to the Basics, 2024 organized by AIIMS, Kalyani, 21 September 2024, Kalyani, West Bengal
15. Celiac disease around the world, International Celiac Disease Symposium 2024, 5 September 2024, Sheffield, UK
16. Celiac Disease, GASTRODIET 2024, organized by Journal of Gastroenterology and Hepatology Foundation (JGHF), 27 September 2024, Sunway, Malaysia
17. How to make a good Presentation, Young Clinicians Program (YCP) 2024, 25 October 2024, Chennai, Tamil Nadu
18. Approach to Chronic Constipation, Medicon International, 16 November 2024, Kolkata, West Bengal
19. Approach to Chronic Constipation, 6th Advanced Gastro Summit, 2024, 17 November 2024, Ahmedabad, Gujarat
20. Comprehensive Management of IBD, Asian Pacific Digestive Week 2024, 21 November 2024, Bali, Indonesia
21. Non-Invasive Screening, Strategy to Improve Diagnosis of Celiac Disease, Asian Pacific Digestive Week 2024, 24 November 2024, Bali, Indonesia
22. Panel Discussion – Collaborative opportunities and regional challenges in Gastroenterology, 65th Annual Conference of the Indian Society of Gastroenterology (ISGCON2024), 5 December 2024, Varanasi, Uttar Pradesh
23. Panel Discussion – The Future of Gastroenterology Training: Preparing for the Next Generation, 65th Annual Conference of the Indian Society of Gastroenterology (ISGCON2024), 5 December 2024, Varanasi, Uttar Pradesh
24. Mid-Term SGEI Meeting, "Endoscopy Reimagined 2025", 9 January 2025, Ahmedabad, Uttar Pradesh
25. Role of Newer Molecules – Plecanatide and Elobixibat and their place in the current management strategies of IBS (C) and CIC, GASTROCON (Mid -Term ISG), 2025, 10 January 2025, Bundi, Rajasthan
26. H. Pylori in India, 7th Annual Conference of Andhra Pradesh chapter of ISG, 24 January 2025, Tirupati, Andhra Pradesh
27. Improving Non-Transplant Outcomes in Patients with Advanced Liver Disease, APASL Single Theme Conference 2025, 8 February 2025, Mumbai, Maharashtra
28. A story of unfolding of celiac disease in India, PMCH Centenary College Foundation Day Lecture Series 2025, 25 February 2025, Patna, Bihar

Shalimar

1. Making wise career stream choices, Kalinga Perspective in Liver and Digestive Disease (KPLD)-2024, 26 April 2024, Bhubaneswar, Orissa
2. Role of DOACs in vascular liver diseases and cirrhosis, Kalinga Perspective in Liver and Digestive Disease (KPLD)-2024, 28 April 2024, Bhubaneswar, Orissa

3. Management of AIH not responding to steroids/ azathioprine combination, Hepatology update-2024, 6 July 2024, Coimbatore, Tamil Nadu
4. NITs as predictor of liver and extra-hepatic events, 32nd Annual Scientific Meeting of the Indian National Association for Study of the Liver (INASL), 7 August 2024, Kochi, Rajasthan
5. Panel Discussion- A case of Difficult to treat AIH, Single Theme Meeting - Autoimmune Liver Disease, 18 October 2024, Chandigarh
6. A case of Alcohol Associated Liver Disease, 9th Liver Foundation Kolkata 2024, 12 December 2024, Kolkata, West Bengal
7. The Paper published in the past two years that had charmed me, 9th Liver Foundation Kolkata 2024, 12 December 2024, Kolkata, West Bengal
8. Case-based Panel Discussion: ACLF: ALD with acute HEV and Rhabdomyolysis, APASL Single Theme Conference and BUILD 3.0, 7 February 2025, Mumbai, Maharashtra

Baibaswata Nayak

1. Molecular genetics and genomic biomarkers predicting disease risk and treatment response in the era of one health, XXXII Annual Conference of Society of Animal Physiologists of India (SAPI) & International Symposium on Advances in Physiological research in omics era for sustainable Animal Production and Livelihood security under the changing climatic scenario. 27 November 2024, Meerut, Uttar Pradesh
2. Genetic and epigenetic markers in forensic science: from Basics to its Applications, 7th Forensis Agora: 3rd International Conference on Forensic Science, Galgotias University, 8 February 2025, Noida, Uttar Pradesh
3. Role of liquid biopsy-based biomarker in diagnosis and prognosis of hepatocellular carcinoma or liver cancer, FLSB Expert Seminar Series, South Asian University, 14 February 2025, New Delhi

Deepak Gunjan

1. Tips and Tools for Endoscopic necrosectomy, ENDOCON, Annual Conference of the Society of Gastrointestinal Endoscopy of India, 19 April 2024, New Delhi
2. Acute Pancreatitis, Gastroenterology Reviews & Insights for Physicians (GRIP), 26 May 2024, Chennai, Tamil Nadu
3. Gastro esophageal reflux disease, Gastroenterology Reviews & Insights for Physicians (GRIP), 14 July 2024, Patna, Bihar
4. Acute Pancreatitis, Gastroenterology Reviews & Insights for Physicians (GRIP), 14 July 2024, Patna, Bihar
5. Making a diagnosis of pancreatic exocrine insufficiency, Annual Meeting of the Indian Pancreas Club, 19 July 2024, Hyderabad, Telangana
6. How to perform mediastinal EUS, EUS 360 - Hands on Basic EUS Training Program, 27 July 2024, Bengaluru, Karnataka
7. Post-ERCP pancreatitis: Incidence, prediction and treatment, Clinics in Hepato-Biliary Diseases: 2024 (CHBD 2024), 6 September 2024, New Delhi
8. Endoscopy related Complications – Esophageal procedures, 8th PGI GI Emergency Postgraduate Program, organized by PGIMER, Chandigarh, 13 September 2024, Chandigarh
9. The art of using knives, AIG LIVE 2024, 19 September 2024, Hyderabad, Telangana
10. How to perform Linear EUS examination, Hand on Basic to Advance EUS Workshop, 31 January 2025, Indore, Madhya Pradesh
11. Rectal EUS technique & its standardization, EUS Retreat, 22 March 2025, Rishikesh, Uttarakhand

Soumya Jagannath Mahapatra

1. Collaborative ventures between AIIMS and JHMI, Johns Hopkins Medicine International (JHMI), 15 May 2024, Maryland, USA

2. Safety and efficacy of corticosteroids in severe acute pancreatitis, Digestive Disease Week (DDW), 18 May 2024, Washington, USA
3. Head mass in chronic pancreatitis: Management approach, ENDOCON, Annual Conference of the Society of Gastrointestinal Endoscopy of India, 19 April 2024, New Delhi
4. Approach to recurrent acute pancreatitis, Kalinga Prospective in Liver and Digestive Diseases, 27 April 2024, Bhubaneswar, Orissa
5. Organ Failure in Acute Pancreatitis, Annual Meeting of the Indian Pancreas Club, 2 July 2024, Hyderabad, Telangana
6. Basics of linear echo endoscope, EUS 360 - Hands on Basic EUS Training Program, 18 September 2024, Nagpur, Maharashtra
7. Difficult CBD stone, SURGICON 2024 – Annual Conference of Delhi Chapter of Association of Surgeons of India, 16 November 2024, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022– 2023	2023-2024	2024-2025
125	124	114

List of Oral Papers/Posters presented: 55

1. Agarwal A, Pachisia AV, Mehta S, Ahmed A, Singh A, Kumar S, et al, Prevalence of Celiac Disease in patients with cirrhosis, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK
2. Agarwal S, Prasad S, Agarwal A, Affendi R, Leffler D, Green P, et al. Celiac disease care differs significantly between high and low-mid income countries: A global survey of celiac experts from 63 Countries, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK
3. Ahmed A, Chauhan A, Singh A, Hokari R, Abdullah M, Gonlachanvit S, et al, Prevalence of celiac disease in patients with irritable bowel syndrome: a pilot study Asian celiac disease study, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK
4. Arora U, Biswas S, Vignesh D, Sheikh S, Agarwal A, et al, Time-trends of fibrosis and steatosis in metabolic dysfunction associated steatotic liver disease (MASLD): a retrospective cohort analysis, European Association for the Study of the Liver (EASL), 5-8 June 2024, Milan, Italy
5. Arora U, Kandasamy D, Verma M, Madan D, Singh M, Narang H, et al, Ultrasonographic assessment of response in hospitalized patients with acute severe ulcerative colitis, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi
6. Arora U, Kandasamy D, Verma M, Madan D, Singh M, Narang H, et al, Ultrasonographic assessment of response in hospitalized patients with acute severe ulcerative colitis, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany
7. Bajaj A, Markandey M, Verma M, Singh M, Prasad S, Narang H, et al, Treatment of patient-derived colonic organoids with urolithin A reveals transcriptomic remodeling of the intestinal stem cell niche in ulcerative colitis: Establishment of a novel platform, 8th Annual Crohn's & Colitis Foundation (CCFI) Meeting, 4-6 October 2024, Vizag, Andhra Pradesh
8. Bajaj A, Markandey M, Verma M, Singh M, Prasad S, Narang H, et al, Treatment of patient-derived colonic organoids with urolithin A reveals transcriptomic remodeling of the intestinal stem cell niche in ulcerative colitis: Establishment of a novel platform, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh
9. Biswas S, Gupta S, Sharma A, Aggarwal A, Arora U, Swaroop S, et al, Natural history and predictors of outcomes in patients with liver cirrhosis after index variceal haemorrhage from fundal varices, American Association for the Study of Liver Diseases (AASLD), 15-19 November 2024, San Diego, California, USA
10. Biswas S, Swaroop S, Aggarwal A, Sehgal T, Vaishnav M, Agarwal A, et al, Outcomes of thromboelastography guided versus routine empirical or on-demand platelet transfusion in patients with liver cirrhosis and severe thrombocytopenia undergoing high-risk invasive percutaneous and vascular procedures: an open-label, randomized controlled trial, European Association for the Study of the Liver (EASL), 5-8 June 2024, Milan, Italy

11. Biswas S, Vaishnav M, Swaroop S, Aggarwal A, Elhence A, et al, Safety and outcomes of an on-demand transfusion strategy versus prophylactic transfusion of platelets in patients with liver cirrhosis and severe thrombocytopenia undergoing high-risk invasive procedures, American Association for the Study of Liver Diseases (AASLD), 15-19 November 2024, San Diego, USA

12. Dash R, Madan D, Shalimar D, Kedia S, Ahuja V, Nayak B, Hepatitis B Virus (HBV) Exposure status, Vaccination, and Reactivation following immunosuppressive therapy in the cohort of inflammatory bowel disease (IBD) patients, 4th AIIMS Annual Research Day, 29-30 January 2025, New Delhi

13. Dash R, Nadda N, Shalimar D, Nayak B, Reverse genetics approach for rescue of AAV-2 expressing reporter and SARS-CoV-2 structural protein, VIROCON-2024: Emerging Viruses, 11-13 November 2024, Gwalior, Madhya Pradesh

14. Jagdish N, Bihari K, Kumar S, Singh A, Ahmad A, Mehtab W, et al. Innate immune response in patients with Celiac disease, non-celiac gluten sensitivity (NCGS), first degree relatives (FDR) and irritable bowel syndrome (IBS):, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology, 4-7 December 2024, Varanasi, Uttar Pradesh

15. Kabrawala M, Banerjee R, Ahuja V, Anumula K, Bhardwaj V, Dalal A, et al, Vedolizumab in Indian patients with Inflammatory Bowel Disease: Final results from a prospective, multicentre, open-label, phase 4 study, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany

16. Kumar S, Biswas S, Agarwal S, Sheikh S, Ashraf A, Swaroop S, et al, Next-generation sequencing identifies novel germline mutations in patients with Budd-Chiari Syndrome-associated hepatocellular carcinoma, 4th AIIMS Annual Research Day, 29-30 January 2025, New Delhi

17. Kumar S, Biswas S, Sheikh S, Sharma V, Ashraf A, Pardhan, D, et al, Genome-wide association study to identify the potential genetic loci responsible for Budd-Chiari Syndrome in Indian population: Study from a tertiary care centre, INASL-2024, 4-6 August 2024, Kochi, Kerala

18. Kumari A, Pachisia A, Dutta R, Gupta K, Kumar S, Sharma D, et al, Diagnostic characteristics of anti-endomysial antibody in the diagnosis of celiac disease, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

19. Kumari A, Verma AK, Das P, Prakash S, Datta Gupta S, Verma A, et al, Tissue expression pattern of pyrolline-5-carboxylate synthase, intestinal fatty acid binding protein and regenerating gene 1a in patients with celiac disease, Asia Pacific Digestive Week - 2024, 21-24 November 2024, Bali, Indonesia

20. Kumari A, Verma AK, Das P, Prakash S, Datta Gupta S, Verma A, et al, Tissue expression pattern of pyrolline-5-carboxylate synthase, intestinal fatty acid binding protein and regenerating gene 1a in patients with celiac disease, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

21. Leong R, Chaemsupaphan T, Lin H, Lim WC, Ooi CJ, Chetwood JD, et al Asia Pacific Association of Gastroenterology consensus statements on histopathological evaluation of Inflammatory Bowel Diseases, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany

22. Mehra L, Das P, Baniyal V, Deepak RK, Singh A, Ahmad M, et al. Etiologies of non-response to gluten free diet post ≥ 12 months in patients with celiac disease, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

23. Mehta S, Chauhan A, Vignesh D, Agarwal S, Aggarwal A, Chaudhari BR, et al, Prevalence of compliance to gluten-free diet in patients of Celiac Disease: a systematic review and meta-analysis, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK

24. Mehta S, Chauhan A, Vignesh D, Agarwal S, Aggarwal A, Chaudhari BR, et al, Prevalence of compliance to gluten-free diet in patients of Celiac Disease: a systematic review and meta-analysis, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

25. Mehta S, Vignesh D, Biswas S, Swaroop S, Roy BRC, Arora U, et al, Predictors of one-year transplant-free survival of patients with acute-on-chronic liver failure after hospital discharge, American Association for the Study of Liver Diseases (AASLD), 15-19 November 2024, San Diego, California, USA

26. Mehtab W, Gupta C, Malik S, Agarwal H, Ghosh T, Kaur S, Makharia G. Perceived burden and challenges faced by the primary caregivers of patients with celiac disease, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK

27. Mehtab W, Gupta C, Malik S, Agarwal H, Ghosh T, Kaur S, et al. Perceived burden and challenges faced by the primary caregivers of patients with celiac disease, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

28. Mehtab W, Malhotra A, Bhola A, Singh N, Ahmed A, Singh A, et al. Knowledge, Attitude and Practice of Dietitians towards Celiac Disease and Gluten-free diet, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

29. Mehtab W, Malhotra A, Upadhyay A, Singh N, Agarwal A, Chauhan A, et al, Development and validation of a tool for assessing adherence to gluten-free diet in patients with Celiac disease (Celiac Disease: Compliance Assessment Tool; CD-CAT), International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK

30. Mehtab W, Malhotra A, Upadhyay A, Singh N, Agarwal A, Chauhan A, et al, Development and validation of a tool for assessing adherence to gluten-free diet in patients with Celiac disease (Celiac Disease: Compliance Assessment Tool; CD-CAT), ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

31. Mehtab W, Malhotra A, Upadhyay A, Singh N, Agarwal A, Chauhan A, et al, Development and validation of a tool for assessing adherence to gluten-free diet in patients with Celiac disease (Celiac Disease: Compliance Assessment Tool; CD-CAT), Digestive Disease Week (DDW), 18-24 May 2024, Washington, USA

32. Mohta S, Kutum R, Pendayala R, Dev H, Kante B, Vuyyuru SK, et al, Development of Crohn's aid mobile application based on AI algorithms, to differentiate intestinal tuberculosis from Crohn's disease, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

33. Mohta S, Kutum R, Pendayala R, Dev H, Kante B, Vuyyuru SK, et al, Development of Crohn's aid mobile application based on AI algorithms, to differentiate intestinal tuberculosis from Crohn's disease, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany

34. Nadda N, Dash R, Shalimar D, Nayak B, Role of hypoxia and angiogenesis markers in hepatocellular carcinoma patients undergoing locoregional therapy, 4th AIIMS Annual Research Day, 29-30 January 2025, New Delhi

35. Nadda N, Kumar S, Shalimar D, Nayak B. Identification of dysregulated OncomiRs in Hepatitis B virus-induced Hepatocellular Carcinoma and their role as potential biomarker, VIROCON-2024: Emerging Viruses, 11-13 November 2024, Gwalior, Madhya Pradesh

36. Narang H, Kedia S, Mathur P, Makharia GK, Ningombam A, Kapil A, et al, Extremely high prevalence of multidrug resistant organisms in the gut fora of hospitalized patients with gastrointestinal illness: A cross-sectional study at a tertiary care hospital in North India, Asia Pacific Digestive Week - 2024, 21-24 November 2024, Bali, Indonesia

37. Narang H, Kedia S, Mathur P, Makharia GK, Ningombam A, Kapil A, et al, Extremely high prevalence of multidrug resistant organisms in the gut fora of hospitalized patients with gastrointestinal illness: A cross-sectional study at a tertiary care hospital in North India, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh

38. Nayak B, Kumar S, Nadda N, Quadri A, Gamanagatti S, Dash NR, et al, Evaluation of cell free DNA methylation as liquid biopsy biomarker to differentiate hepatitis B virus induced hepatocellular carcinoma from chronic liver disease, Global Hepatitis Summit 2025, 18-21 March 2025, Los Angeles, California, USA

39. Nayak B, Lal G, Yadav R, Quadri A, Nadda N, Kumar S, et al. Hepatitis B virus breakthrough to genome targeting using CRISPR/Cas9 system, MICROCON2024, 47th Annual Congress of Indian Association of Medical Microbiologists, 21-24 November 2024, Pune, Maharashtra

40. Nayak B, Nadda N, Yadav R, Roy N, Singh N, Kumar S, et al, Immune-checkpoint HLA-G gene expressions, UTR polymorphisms and its associations with hepatocellular carcinoma and therapeutic response: a case-control study, 6th Annual Conference of Immuno-Oncology Society of India: I-OSICON 2025, 31 January-2 February 2025, Bhubaneswar, Odisha

41. Nayak B, Quadri A, Yadav R, Ashraf A, Baibaswata A, Pandey S, et al, Hepatitis E virus immune response in patients presenting different clinical phenotypes and development of neutralization assay using lenti-based HEV pseudovirus, VIROCON-2024: Emerging Viruses, 11-13 November 2024, Gwalior, Madhya Pradesh

42. Pachisia AV, Agarwal A, Mehta S, Kumari A, Ahmed A, Dwarakanathan V, et al, Prevalence of Celiac Disease in adult patients with NCPF, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK

43. Pachisia AV, Agarwal A, Mehta S, Kumari A, Ahmed A, Vignesh D, et al, Prevalence of Celiac Disease in adult patients with Cryptogenic liver cirrhosis, International Celiac Disease Symposium (ICDS) 2024, 5-7 September 2024, Sheffield, UK
44. Qamar S, Singh N, Patel S, Saini A, Agarwal S, Saraya A, et al, Increased resting energy expenditure and lower respiratory quotient in patients with chronic pancreatitis having pancreatic exocrine insufficiency, Indian Pancreas Club, 19-21 July 2024, Hyderabad, Telangana
45. Sanakar Kalum JDB, Narang H, Virmani S, Shukla A, Verma M, Madan D, et al, Structured yoga practices significantly improve quality of life in ulcerative colitis: A randomized controlled trial, Asia Pacific Digestive Week - 2024, 21-24 November 2024, Bali, Indonesia
46. Sanakar Kalum JDB, Narang H, Virmani S, Shukla A, Verma M, Madan D, et al, Structured yoga practices significantly improve quality of life in ulcerative colitis: A randomized controlled trial, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh
47. Sanakar Kalum JDB, Narang H, Virmani S, Shukla A, Verma M, Madan D et al, Structured yoga practices significantly improve quality of life in ulcerative colitis: A randomized controlled trial, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany
48. Sata TN, Sah AK, Doloi R, Ismail M, Shalimar D, Nayak B, et al, Development of a low-cost diagnostics platform for the identification of HBV DNA using CRISPR/Cas13a system, INASL-2024, 4-6 August 2024, Kochi, Kerala
49. Sata TN, Sah AK, Doloi R, Ismail M, Shalimar D, Nayak B, et al, Development of a low-cost diagnostics platform for the identification of HBV DNA using CRISPR/Cas13a system, American Association for the Study of Liver Diseases (AASLD), 15-19 November 2024, San Diego, California, USA
50. Shalimar S, Biswas S, Elhence A, Gunjan D, Gamanagatti S. Liver-related events and mortality in patients with Metabolic Dysfunction Associated Steatotic Liver Disease varies with the type of Cardiometabolic Risk Factor, American Association for the Study of Liver Diseases (AASLD), 15-19 November 2024, San Diego, California, USA
51. Sharma KK, Yadav A, Shinde P, Kumar M, Kedia S, Ahuja V. Gut microbiome and Virome dynamics between rural and urban population suggests the severity in ulcerative colitis patients, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany
52. Singh M, Goyal MK, Mubunnu M, Kumar P, Vuyyuru SK, Kante B, Urinary Lipoarabinomannan is a simple test which aids in differentiating intestinal tuberculosis from Crohn's disease, 8th Annual Crohn's & Colitis Foundation (CCFI) Meeting, 4-6 October 2024, Vizag, Andhra Pradesh
53. Singh M, Goyal MK, Mubunnu M, Kumar P, Vuyyuru SK, Kante B, et al. Urinary Lipoarabinomannan is a simple test which aids in differentiating intestinal tuberculosis from Crohn's disease, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh
54. Udinia S, Das M, Jamwal S, Markandey M, Bajaj A, Mehra L, et al. AXL-dependent autophagy impairment differentiates monocyte-derived macrophages from Crohn's disease and intestinal tuberculosis, ISGCON 2024, Annual Congress of the Indian Society of Gastroenterology 2024, 4-7 December 2024, Varanasi, Uttar Pradesh
55. Vuyyuru S, Madan D, Kante B, Goswami S, Kumar P, Ranjan MK, et al, A quasi-experimental study evaluating effectiveness of partial enteral nutrition combined with exclusion diet in patients with mild to moderately severe ulcerative colitis, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany
56. Wong SY, Moran HR, Elgood-Hunt G, Stolle L, Giselbrecht E, Wellens J, et al, Analysis of serological responses to SARS-CoV-2 vaccination in patients with Inflammatory Bowel Disease in India identifies low BMI as an independent determinant of vaccine non-response, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany
57. Wong SY, Moran HR, Rajauria P, Giselbrecht E, Wellens J, Vermiere S, et al Trans-continental analysis of determinants of response to COVID-19 vaccination in 2268 patients with Inflammatory Bowel Disease, European Crohn's and Colitis Organisation (ECCO) 2025, 19-22 February 2025, Berlin, Germany

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–23	2023-24	2024-25
63	39	57

RESEARCH

Funded

Ongoing

1. A Phase 2b Randomized, Double-blind, Active- and Placebo-controlled, Parallel-group, Multicenter Study to Evaluate the Efficacy and Safety of Induction and Maintenance Combination Therapy with Guselkumab and Golimumab in Participants with Moderately to Severely Active Crohn's Disease, Dr Vineet Ahuja, Parexel International clinical Research PVT LTD, 1 Year, 2024-2025, Rs 12.22 Lakhs
2. A Phase 2b Randomized, Double-blind, Active- and Placebo-controlled, Parallel-group, Multicenter Study to Evaluate the Efficacy and Safety of Induction and Maintenance Combination Therapy with Guselkumab and Golimumab in Participants with Moderately to Severely Active Ulcerative Colitis. Dr Vineet Ahuja, Parexel International clinical Research PVT LTD, 1 Year, 2024-2025, Rs 5.12 Lakhs
3. A Phase 2b, Randomized, Double-blind, Placebo –controlled Study to Evaluate the Safety and Efficacy of 3 Active Dose Regimens of MORF-057 in Adults with Moderately to Severely Active Ulcerative Colitis (EMERALD-2), Dr Vineet Ahuja, PSI CRO Pharma India Private Limited, 1 Year, 2024-2025, Rs 1.70 Lakhs
4. A Phase III, multicentre, randomized, double-blind, placebo-controlled, interventional study on efficacy and safety of Standardized fraction of Picrorhiza kurroa Royal Ex Benth (Picroliv®) for 24 weeks in the Management of Non-Alcoholic Fatty Liver Disease (NAFLD).", Dr Shalimar, Indian Council of Medical Research (ICMR), 1 Year, 2023-2024, Rs 33 Lakhs
5. A pilot study on large scale analysis of chronic pancreatitis through high through put mass-spectrometry based proteomics and proteogenomics for biomarker discovery, Dr Soumya Jagannath Mahapatra, Translational Health Science and Technology Institute (THSTI), Faridabad, Haryana, 2 Years, 2025-2028, Rs 20 lakhs
6. A randomised, double blind, parallel, interventional phase IIa proof of concept trial to evaluate the efficacy and safety of ZYIL1 for the treatment of patients with mild to moderately active Ulcerative Colitis resistant or intolerant to oral aminosalicylates, Dr Vineet Ahuja, Zydus life sciences PVT, 1 Year, 2024-2025, Rs 1.80 Lakhs
7. A randomized, double-blind, multicenter phase 3 study in patients with moderately to severely active ulcerative colitis (UC) to compare the efficacy, safety and immunogenicity of PB016 and Entyvio® for the induction and maintenance of clinical response and remission. (UCESIVE)", Dr Vineet Ahuja, Worldwide Clinical Trials India Private Limited, 1 Year, 2024-2025, Rs 0.70 Lakhs
8. A study of etiopathogenesis of systemic inflammation in acute pancreatitis, Dr Pramod Kumar Garg, Department of Biotechnology, Ministry of Science & Technology, Government of India, 4 Years, 2025-2029, Rs 634 Lakhs
9. ABX464-106- A randomized, double-blind, placebo-controlled, multicenter phase III study to evaluate the efficacy and safety of ABX464 once daily for induction treatment in subjects with moderately to severely active ulcerative colitis. Dr Vineet Ahuja, IQVIA Research (India) Private Limited), 2 Years, 2023-2025, Rs 3.74 Lakhs
10. An open label, multicentre, phase IV study of ustekinumab to evaluate its safety in Indian subjects with Crohn's Disease(CD). Dr Vineet Ahuja, Johnson & Johnson Private Limited, 1 Year, 2024-2025, Rs 9.37 Lakhs
11. Cancer stemness signatures of Hepatitis B induced hepatocellular carcinoma, Dr Baibaswata Nayak (Women Scientist: Dr Sonali Sengupta), Department of Science and Technology, Government of India, 3 Years, 2022-2025, Rs 24 Lakhs
12. Celiac Disease Care Optimization & gluten Restriction exclusion (CeD-CORE), Dr Govind K Makharia, Indian Council of Medical Research (ICMR), 3 Years, 2025-2028, Rs 466 Lakhs
13. Centre for Advanced Research "Gut Microbiome Manipulation Therapies in Intestinal Disease: Clinical Trial Networked Centre, Dr Vineet Ahuja, Indian Council of Medical Research (ICMR), 5 Years, 2024-2029, Rs 294 Lakhs
14. Centre for Advanced Research and Excellence in Pancreatic Diseases, Dr Pramod Kumar Garg, Indian Council of Medical Research (ICMR), 5 Years, 2019-2024, Rs 490 Lakhs
15. Comparative analysis of two different techniques for evaluation of HLA gene haplotypes in patients with celiac disease, Dr Govind K Makharia, Kanishk International, 6 Months, 2024-2025, Rs 12 Lakhs
16. Crohn's Disease (CD) in South Asians: Defining disease biology for prevention and better treatment. Dr Vineet Ahuja, The Leona M. and Harry B. Helmsley Charitable Trust, 4 Years, 2021-2025, Rs 202 Lakhs

17. Department of Biotechnology "Consortium On Celiac Disease," Extension & Nurturing of national Biorepository of well-defined patients with celiac disease, Dr Govind K Makharia, Department of Biotechnology, Ministry of Science & Technology, Government of India, 5 Years, 2023-2028, Rs 456 Lakhs

18. Determination of receptor mediated pathogenesis of SARS-COV2 variants and immunomodulation by viral proteins, Dr Baibaswata Nayak, Indian Council of Medical Research (ICMR), 3 Years, 2021-2024, Rs 48 Lakhs

19. Development of an encapsulated cocktail of gut microbiota-derived metabolites as a potential therapeutic modality for ulcerative colitis, Dr Vineet Ahuja, BIRAC-Biotechnology Ignition Grant (BIG), 1 Year, 2024-2025, Rs 14.83 Lakhs

20. Development of matrix etalloproteinase based assays to detect liver fibrosis a major risk factor for liver cancer, Dr Shalimar, AIIMS UCL, 2 Years, 2025-2026, Rs 5 Lakhs

21. Early Intervention with Low Molecular Weight Heparin (Enoxaparin), Dr Pramod Kumar Garg, Indian Council of Medical Research (ICMR), 3 Years, 2025-2028, Rs 647 Lakhs

22. Effect of Pancreatic Enzyme Supplementation on 90-days hospital free alive days in patients with Acute Necrotizing Pancreatitis (ANP), Dr Soumya Jagannath Mahapatra, Indian Council of Medical Research (ICMR), 3 Years, 2025-2028, Rs 200 Lakhs

23. Epidemiology of Pancreatitis and Major Gastrointestinal Disorders: A Nationwide Multi-Centre Study across India, Dr Pramod Kumar Garg, Indian Council of Medical Research (ICMR), 3 Years, 2021-2024, Rs 350 Lakhs

24. Exploration of immunopathogenesis of extra-intestinal organ involvement in patients with Celiac Disease", Dr Govind K Makharia, Indian Council of Medical Research (ICMR), 3 Years, 2023-2026, Rs 73.5 Lakhs

25. Fluorescent Sensors for the detection of citrulline in the plasma of patients with celiac disease and other enteropathies Aiding biopsy free diagnosis and follow-up monitoring of the disease: Molecular Design and Synthesis of Chemoselective Glyoxal Probes, Dr Govind K Makharia, Department of Biotechnology, Ministry of Science & Technology, Government of India, 18 Months, 2024-2026, Rs 16.35 Lakhs

26. Hypoxia, angiogenesis and stemness markers predicting outcome of locoregional and immunotherapy for hepatocellular carcinoma, Dr Baibaswata Nayak, Indian Council of Medical Research (ICMR), 3 Years, 2023-2026, Rs 69 lakhs

27. I6T-MC-AMAM-A Phase 3, Multicenter, Randomized, Double-Blind, Placebo- and Active- Controlled, Treat-Through Study to Evaluate the Efficacy and Safety of Mirikizumab in Patients with Moderately to Severely Active Crohn's Disease. Dr Vineet Ahuja, Eli Lilly, Pharmaceutical company, 4 Years, 2021-2025, Rs 9.55 Lakhs

28. Indian asymptomatic gallstone: natural course and their predictors (INDIASTONE Study), Dr Deepak Gunjan, Indian Council of Medical Research (ICMR), 3 Years, 2024-2026, Rs 64 lakhs

29. JC Bose fellowship, Dr Pramod Kumar Garg, Science and Engineering Research Board (SERB), 5 Years, 2020-2025, Rs 95 Lakhs

30. Metabolic associated liver disease (MAFLD) in lean and obese: search for disease and progression biomarkers, Dr Shalimar, Science and Engineering Research Board (SERB), 3 Years, 2022-2025, Rs 44 Lakhs

31. Preoperative biliary drainage in patients with Distal Resectable and borderline resectable Malignant biliary obstruction by primary Endoscopic ultrasound guided choledochoduodenostomy versus Endoscopic retrograde cholangiopancreatography, Dr Soumya Jagannath Mahapatra, Indian Council of Medical Research (ICMR), 3 Years, 2025-2028, Rs 500 Lakhs

32. Role of nuclear receptor in Hepatitis B (HBV) mediated hepatocarcinogenesis, Dr Baibaswata Nayak, Indian Council of Medical Research (ICMR), 3 Years, 2021-2024, Rs 22.92 lakhs

33. Should Colorectal Cancer screening be done in Asymptomatic Indians: A Pan-India multicentre study, Dr Vineet Ahuja, Indian Council of Medical Research (ICMR), 4 Years, 2024-2028, Rs 134 Lakhs

34. Standard medical therapy plus Rifaximin vs. standard medical therapy alone for the management of sarcopenia in patients with cirrhosis: A PILOT Randomized Controlled Trial, Dr Deepak Gunjan, Sun Pharmaceutical Pvt Ltd. 2 Years, 2022-2024, Rs 16 Lakhs

35. Steroid therapy in patients with Acute severe pancreatitis for Resolution of organ failure, Dr Pramod Kumar Garg, Indian Council of Medical Research (ICMR), 3 Years, 2025-2028, Rs 200 Lakhs

36. The effect of structured yoga practices on the quality of life and clinical outcomes in patients with ulcerative colitis, Dr Vineet Ahuja, Ministry of AYUSH, 2 Years, 2023-2025, Rs 21.64 Lakhs

37. To evaluate the role of phage transfer through fecal microbiota transplantation in causing antimicrobial gene depletion and intestinal decolonization from multidrug resistant organisms, Dr Vineet Ahuja, Indian Council of Medical Research (ICMR), 3 Years, 2021-2024, Rs 57.35 Lakhs
38. Towards stool based diagnosis of colorectal cancer by developing multiplex apta-sensor panel, Dr Govind K Makharia, Indian Council of Medical Research (ICMR), 3years, 2024-2027, Rs 125 Lakhs

Completed

1. A Multicentre, Single-arm, Open-label, Phase 4 Study to Evaluate the Safety and Efficacy of Vedolizumab in Indian Patients With Ulcerative Colitis and Crohn's Disease, Dr Vineet Ahuja, Takeda- SIRO, 2 Years, 2022-2024, Rs 6.98 Lakhs
2. A Phase 3, Multicenter, Randomized, Double – Blind, Placebo-Controlled Study of Oral Ozanimod as Induction Therapy for Moderately to Severely Active Crohn's Disease, Dr Vineet Ahuja, PSI CRO Pharma India Private Limited, 1 Year, 2023-2024, Rs 6 Lakhs
3. A pilot study to estimate prevalence of celiac disease in high-risk group in Asia (Asian Celiac disease study), Dr Govind K Makharia, Takeda Pharmaceuticals, USA, 3 Years, 2021-2024, Rs 182 Lakhs
4. A prospective, multi-centre, open label, phase IV study to evaluate safety and efficacy profile of InfimabTM in patients with moderate to severe Crohn's disease, Dr Vineet Ahuja, Reliance Pharmaceuticals, 2 Years, 2022-2024, Rs 3.75 Lakhs
5. An open label, single arm, investigator intiated Phase I/II study to assess the safety and efficacy of local administration of stempeucel (Adult Human Bone) Derived, Cultured Pooled, Allogenic Stromal Cells Marrow, Dr Vineet Ahuja, Stempeutics Research Pvt Ltd 5 Years, 2018-2023, Rs 5.77 Lakhs
6. Celiac disease prevalence in native south versus north Indians; migrant study to access regions for the difference, Dr Govind K Makharia, Indian Council of Medical Research (ICMR), 2 Years, 2022-2024, Rs 68.45 Lakhs
7. Centre for Advanced Research and Excellence in Intestinal Diseases, Dr Vineet Ahuja, Indian Council of Medical Research (ICMR), 5 Years, 2019-2024, Rs 500 Lakhs
8. Development of a recombinant vaccine against the hepatitis E virus and immunological characterization of hepatitis E cohort and potential vaccine recipient cohort, Dr Shalimar, BIRAC (Co-PI), 30 Month, 2021-2023, Rs 110 Lakhs
9. Epigenetic reprogramming of intestinal epithelial stem cells via gut microbiota derived metabolites in Ulcerative Colitis. Dr Vineet Ahuja, Science and Engineering Research Board (SERB), 3 Years, 2020-2023, Rs 56.45 Lakhs
10. Exploration for development of wheat with low immunogenic gluten, Dr Govind K Makharia, Indian Council of Agricultural Research, 7 Years, 2017-2024, Rs 47.50 Lakhs
11. Gut Microbiome - Regulators of the Intestinal Stem cell niche in Health and Inflammatory Bowel Disease, Dr Vineet Ahuja, MHRD-Scheme for Promotion of Academic and Research Collaboration (SPARC), 4 Years, 2019-2023, Rs 45.97 Lakhs
12. International study of COVID- 9 Antibody Response Under Sustained immune suppression in IBD, Dr Vineet Ahuja, The Leona M. and Harry B. Helmsley Charitable Trust, 2 Years, 2021-2023, Rs 9.24 Lakhs
13. Role of potentially oncogenic miRNAs in Hepatitis B virus induced hepatocarcinogenesis, Dr Baibaswata Nayak, Indian Council of Medical Research (ICMR), 1 Year, 2021-2024, Rs 22.92 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A prospective observational study to find infective etiology in patients with idiopathic acute pancreatitis
2. A Randomized Controlled Trial Comparing the time to achieve clinical response in Patients with Moderate to Severe Ulcerative Colitis using cortico-steroids Vs Tofacitinib.
3. A Randomized Controlled Trial Evaluating the Efficacy of a Combination of Tofacitinib and Fecal Microbiota Transplantation (FMT) versus Tofacitinib and Sham Transplantation in Inducing Remission in Patients with Moderate to Severe Ulcerative Colitis
4. Amitriptyline versus placebo for inducing remission in patients with mild to moderate ulcerative colitis

5. Association of celiac disease with infertility and decreased ovarian reserve
6. Cancer stemness signatures of Hepatitis B induced hepatocellular carcinoma
7. Characterization of Cytokine Storm Syndrome in Acute Pancreatitis: A prospective cohort study
8. Characterization of inflammatory milieu in patients with idiopathic Recurrent Acute Pancreatitis: A prospective observational study
9. Combination of Endoscopic Treatment and Carvedilol versus Carvedilol alone for Primary Prophylaxis of Patients with Hepatocellular Carcinoma and Esophageal Varices- An open-label parallel group randomized control trial
10. Comparing plastic vs no plastic after EUS guided lams drainage for recurrence of pancreatic fluid collection in patients of acute pancreatitis
11. Comparison of balloon occluded retrograde transvenous obliteration, endoscopic ultrasound-guided coil embolization and beta blockers for primary prophylaxis of high-risk fundal varices: an open-label randomized controlled trial
12. Comparison of Endoscopic and Laparoscopic removal of Large Bile Duct Stone: A Randomized Controlled Trial
13. Derivation and Validation of a classification system for defining response and remission to Gluten-free diet in patients with Celiac Disease
14. Early versus Delayed Percutaneous Drainage for Infected Necrotizing Pancreatitis: A Randomised Controlled trial (RAPID trial)
15. Effect of Timing of Biliary Drainage (Urgent versus Early) in Patients with Severe Acute Cholangitis: An Investigator Initiated Open Label Randomized controlled trial (ACT trial)
16. Efficacy of FMT in treating patients with active ulcerative colitis with CMV infection: a randomised placebo-controlled trial
17. Efficacy of Garlic on Reducing Pain in patients with Recurrent Acute Pancreatitis: A Randomised Double blind Placebo Controlled Trial
18. Estimation of incidence and risk factors of gastrointestinal fistula formation in patients with acute pancreatitis: An Ambispective observational Study
19. Exploration of immunopathogenesis of extraintestinal organs involvement in patients with celiac disease
20. Impact of Apixaban on hepatic decompensation in cirrhosis a parallel group open label randomized controlled trial (ApiHep)
21. Neuropsychiatric manifestation & metabolic characteristics in brain in patients with treatment naïve celiac disease compared with controls & effect of gluten free diet on them: A prospective follow up study
22. Outcomes of Patients with Acute Necrotising Pancreatitis after Discharge: A Cohort Study
23. Percutaneous Endoscopic or Minimally Invasive Surgical Step-up Necrosectomy for Accelerated Recovery in Patients with Infected Pancreatic Necrosis: A Randomized Trial (Ensnare Trial)
24. Prevalence & impact of sarcopenia & frailty in inflammatory bowel disease, and the effect of multi-modal interventions on sarcopenia and clinical outcomes in patients with inflammatory bowel disease
25. Prevalence Of CeD in patients with Interstitial lung disease
26. Prevalence of celiac disease in chronic pancreatitis
27. Prevalence of Eating Disorders in Celiac Disease and impact of eating disorders on adherence to Gluten-free diet
28. Reverse genetics and gene editing approaches for understanding chronic hepatitis virus reactivation, propagation and virus induced carcinogenesis, and drug resistance following infection
29. Role of Microbiome and Mycobiome in persistent inflammation in chronic pancreatitis
30. Safety and efficacy of corticosteroids in severe acute pancreatitis
31. To study the prevalence of sub epithelial lesions in upper GI tract, their outcomes and follow up at 1 year - prospective observational study
32. Understanding etiologies of nonresponsive celiac disease developing in ex vivo organoid model of celiac disease

Completed

1. Assessment of challenges & burdens faced by family members of patients with celiac disease.
2. Liquid biopsy for early prediction of Hepatocarcinogenesis in chronic Liver disease patients.
3. Prevalence of anxiety and depression in patients with chronic pancreatitis and its impact on pain and quality of life.
4. Sarcopenia in acute pancreatitis and its impact on post discharge outcomes.
5. To Explore the association of enteric parasitic infections with duodenal eosinophilia in functional dyspepsia patients.

Collaborative projects

Ongoing

1. A Novel Non-Invasive Pancreatic Duct Pressure Measurement Technique to Predict Response to Endotherapy in Patients with Chronic Pancreatitis, John Hopkins University, Baltimore, USA
2. A T-Cell Diagnostic Test for Celiac Disease (CD), Immunitas Bio Bangalore.
3. Celiac Disease Care Optimization & gluten Restriction exclusion (CeD-CORE), IGIB Delhi; IIT Indore; Gujarat Biotechnology University.
4. Comparative analysis of two different techniques for evaluation of HLA gene haplotypes in patients with Celiac disease, Kanishk International, Mumbai.
5. Correlation of traits of tumor immune microenvironment and response to targeted anti-PD-L1 and anti VEGF therapy in hepatocellular carcinoma: a prospective study, Department of Pathology, AIIMS, New Delhi
6. Crohn's Disease (CD) in South Asians: Defining disease biology for prevention and better treatment,. Harvard Medical School and Massachusetts General Hospital, USA
7. Department of Biotechnology "Consortium on Celiac Disease, " Extension & Nurturing of national Biorepository of well-defined patients with celiac disease,. PGIMER Chandigarh; SPMC Bikaner; IGIB, Delhi; IIIT Delhi.
8. Development of framework for abnormally identification quality assessed small bowel capsule endoscopy video frames, Indira Gandhi Delhi Technical University for Women, Delhi
9. Development of non-invasive imaging biomarkers to assess the metabolic dysfunction, hepatosteatosis, and myosteatosis-related cardiovascular disease risk in the elderly Indian population, Department of Radiodiagnosis, AIIMS, New Delhi
10. "Effect of Pancreatic Enzyme Supplementation on 90-days hospital free alive days in patients with Acute Necrotizing Pancreatitis (ANP): A multicenter double-blinded placebo-controlled randomized trial", CMC Vellore
11. Exploration of immunopathogenesis of extraintestinal organs involvement in patients with celiac disease, Translational Health Science and Technology Institute (THSTI), Faridabad, Haryana
12. Fluorescent Sensors for the detection of citrulline in the plasma of patients with celiac disease and other enteropathies Aiding biopsy free diagnosis and follow-up monitoring of the disease: Molecular Design and Synthesis of Chemoselective Glyoxal Probes, Centre for Nano and Soft Matter Sciences, Bangalore.
13. Genome wide DNA methylation profiling to study role of epigenetic modification in suicide completers and its utility in suicidality of Indian population, Department of Forensic Medicine and Toxicology, AIIMS, New Delhi
14. Identification of Sphingolipid- and Eicosanoid-based Signatures as Potential Diagnostic, Prognostic, and Therapeutic Targets for Inflammatory Bowel Disease Subtypes,. Amity University Gurugram, Haryana
15. Individualized Pain Treatment in Chronic Pancreatitis (INPAIN): An International, Multicenter, Investigator-initiated, Prospective, Observational Cohort Study, Aalborg University Hospital, Denmark
16. Lignocaine as an alternative versus to ketamine, used as an adjunct to propofol for sedation during Endoscopic retrograde cholangiopancreatography (ERCP): a randomized controlled trial,. Department of Anesthesiology, AIIMS, New Delhi
17. Preoperative biliary drainage in patients with Distal REsectAble and borderline resectable Malignant biliary obstruction by primary Endoscopic ultrasound guided choledochoduodenostomy versus Endoscopic retrograde cholangiopancreatography: a randomized controlled trial (DREAMEE), PGIMER Chandigarh

18. Rectal INdomethacin, oral TacROlimus, or their combination for the prevention of post-ERCP pancreatitis (INTRO Trial): A randomized, controlled, double-blinded trial, John Hopkins University, Baltimore, USA
19. RNA-seq based case-control study to identify alternatively spliced events in colorectal adenocarcinoma-Bioinformatics and genomics-based study", Department of Surgical Disciplines, AIIMS, New Delhi
20. Studying the crosstalk between microbiota and intestinal goblet cells in Ulcerative colitis pathogenesis, Regional Centre for Biotechnology, Faridabad, Haryana
21. Studying the mechanism of Rab7 based regulation of Goblet cell function in Ulcerative colitis, Regional Centre for Biotechnology, Faridabad, Haryana
22. Towards stool-based diagnosis of colorectal cancer by developing multiplex apta-sensor panel, National Institute of Immunology (NII), Delhi.
23. Towards Understanding the Role of Oral Microbiota in Colorectal Cancer Progression and Carcinogenesis, National Institute of Immunology (NII), Delhi.

***Completed*:**

1. A pilot study to estimate prevalence of celiac disease in high-risk group in Asia (Asian Celiac disease study), AIIMS Delhi India, Singapore, Thailand, Bangkok, Indonesia, Japan,
2. Celiac disease prevalence in native south versus north Indians; migrant study to access regions for the difference, Center for Community Medicine, AIIMS Delhi
3. Effect of urbanization on gut microbiome mycobiome and virome in patients with IBD from Northern India, Maharshi Dayanand University, Rohtak, Haryana
4. Exploration for development of wheat with low immunogenic gluten, AIIMS Delhi, National Institute of Immunology (NII), Delhi, Mahatma Gandhi Medical College and Hospital, Jaipur; ICAR-NIPB Delhi.
5. International study of COVID- 9 Antibody Response Under Sustained immune suppression in IBD, University of Oxford and Icahn School of Medicine at Mount Sinai USA

RESEARCH OVER PAST 3 YEARS

Research projects	**2022–2023**	**2023–2024**	**2024–2025**
Total funded projects	34	34	38
Total funding	Rs 1672 Lakhs	Rs 3856 Lakhs	Rs 5379 Lakhs

Publications

Journals: 83 **Abstracts: 15** **Chapters in Book: 01**

Publications:

Item	**2022–2023**	**2023–24**	**2024–25**
Total			
Journal articles	125	105	83
Abstracts	50	31	15
Chapters in books	Nil	2	1

PATIENT CARE:

The following numbers of patients were seen in the outpatient: routine OPD and special clinics

Investigation name	**2022–2023**		**2023–2024**		**2024–2025**	
Routine Gastroenterology OPD (Monday to Friday)						
New cases	42586		31679		28974	
Old cases	93358		72865		79673	
Specialty clinics	**New cases**	**Old cases**	**New cases**	**Old cases**	**New cases**	**Old cases**
Liver Clinic	1105	10317	911	11644	1496	11929

Pancreas clinic	898	4290	933	4887	777	3593
IBD & ITB Clinic	855	7844	654	7823	696	7009
Interventional Clinic	NA	527	126	1214	142	1222
Celiac Clinic	101	955	131	1087	135	1205
Endoscopic procedures						
Diagnostic and therapeutic endoscopies	18602		19270		19065	
Diagnostic and therapeutic colonoscopies	2549		5214		5213	
Diagnostic sigmoidoscopies	1683		2486		2298	
Side viewing endoscopies	502		460		356	
Endoscopic retrograde cholangiopancreatography (ERCP)	1908		2010		1723	
Endoscopic ultrasound (Diagnostic and therapeutic)	340		845		834	
Per Oral Endoscopic Myotomy	51		40		33	
Percutaneous Endoscopic Gastrostomy	5		68		58	
Walled off necrosis-endoscopic lavage	38		210		262	
Self-expanding metallic stent placement	39		95		56	
Enteroscopy	53		65		48	
Fibroscan (transient elastography)	12344		12560		13167	
Manometry (Esophageal and anorectal)					2917	
Laboratory tests	**2022-2023**		**2023-2024**		**2024-2025**	
Viral NucleicAcid isolation for testing	7120		195		249	
Genomic DNA isolation from blood	727		92		51	
HBV quantitation by Real time PCR	4799		150		237	
HCV quantitation by real time PCR	2599		12		90	
HCV genotyping by Real time PCR	170		Nil		Nil	
HEV detection quantitative	687		107		48	
HBsAg by ELISA	958		212		45	
Anti HBsAg by ELFA	187		106		30	
HBeAg by ELISA	2020		513		540	
Anti Hbe by ELISA	615		203		224	
Anti HBc Total by ELISA	746		226		215	
HBc IgM by Vidas	246		41		116	
HAV IgM by ELISA	427		219		128	
HEV IgM by ELISA	891		382		331	

Anti HCV by ELISA	287	112	21
EBV IgM by ELISA	23	Nil	Nil
CMV IgM by ELISA	98	Nil	Nil
Arterial Ammonia	510	178	68
IgG4 by Nephelometry	250	209	341
D-Xylose by colorimetry	418	287	367
Fecal Fat by ether extraction	3	5	7
Fecal elastase by ELISA	1033	254	613
Hydrogen breath test	51	20	33
Urea/Ammonia breath test	231	56	26
Anti TTg IgA by ELISA	5235	2748	3468
Ceruloplasmin by turbidometry	2895	1457	1762
Serum Copper by colorimetry	2274	922	1059
24 hr Urinary copper	895	481	710
Lipid peroxidation (MDA) by spectrophotometry	14	Nil	Nil
Free radical Antioxidant potential (FRAP)	14	Nil	Nil
Fecal Calprotectin	322	322	517
Total Oxidant Stress (TOS)	14	Nil	Nil
Total Antioxidant Stress (TAS)	14	Nil	Nil
Fecal Bile Acid Test	280	228	7
Fecal Electrolyte	Nil	10	Nil
IL6	320	Nil	Nil
FABP	160	Nil	Nil
CRP	320	Nil	NIl

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Pramod Kumar Garg received the JC Bose Fellowship for 2020-2025 from the Science and Engineering Research Board, Government of India. He is the editor-in-chief of the international journal Pancreatology; a Council Member of the National Academy of Medical Sciences (FAMS), India, 2021-25 and a Council Member of the National Academy of Sciences, India (NASI), 2022-24.

Professor Vineet Ahuja is the editor-in-chief of the Journal of Gastroenterology and Hepatology Open. He is the chairperson of the Ethics Committee at IISER Bhopal; a member of the Ethics Committee at Ashoka University; a member of the Ethics Committee at George Institute for Global Health; a member of the Institute Body at PGIMER, Chandigarh; a member of the Academic Body at the Institute of Liver and Biliary Sciences in New Delhi; the chairman of the Selection Committee at AIIMS Jodhpur; a member of the Governing Board of the Asian Organization of Crohn's and Colitis; and a member of the Executive Council of the International Organization of Inflammatory Bowel Disease. He delivered the KL Goh Oration at the Asia Pacific Association for Gastroenterology (APAGE) Clinical Forum on Inflammatory Bowel Disease and the Dr BC Roy Oration at Gastro CME at AIIMS Kalyani in 2024.

Professor Govind Makharia has been elected as a Fellow of the Indian National Science Academy (INSA) for 2025; elected as a Fellow of the Royal College of Physicians, United Kingdom, for 2024; President of the Indian Society of Gastroenterology (2023-24); Associate Dean of the Research Section at AIIMS; Governing Council Member of the Indian Council of Medical Research; Member of the Academic Council, ICMR; Governing Council Member of the World Gastroenterology Organization; Chairman of the Clinical Research Committee of the World Gastroenterology Organization (2020-25); Member of the Climate Committee and Planetary Health at the World Gastroenterology Organization; Chairman

of the Committee on Celiac Disease for the Asia Pacific Association of Gastroenterology; Board Member of the International Society for Studies on Celiac Disease; Member of the Technical Evaluation Committee at the Department of Biotechnology; Member of the TEC at BIRAC; Member of the Special Selection Committee at the Council for Scientific and Industrial Research; Institutional Ethics Review Board (IERB) at JNU (2020 onwards); Coordinator of the Department of Biotechnology Consortium on Celiac Disease; Professor in charge of the Employees Health Scheme at AIIMS; Chairman of the Corporate Social Responsibility Committee at AIIMS; Member of Standing Selection Committee (SSC) at AIIMS Mangalagiri. He delivered the Presidential Oration at the 65th ISGCON in Varanasi, India, in 2024. He has also attended the Brainstorming Meeting on Academic Clinical Trials, Non-Regulatory Trials, and Non-Investigational New Drug Trials conducted by ICMR, the CSIR-CCMB Meeting in Hyderabad, and the Meeting of the Technical Monitoring and Advisory Committee for the Genome India and Microbiome initiative at CBR, IISc, Bangalore.

Professor Shalimar has been member of Special Interest Group (SIG)/Taskforce on Autoimmune Liver Disease (AILD) and chaired session on Acute on Chronic Liver Failure at 32nd Annual Scientific Meeting of the Indian National Association for Study of the Liver (INASL) at Kochi, Kerala.

Professor Baibaswata Nayak has served as the editor for manuscript publication in the journal Frontiers in Cellular and Infection Microbiology. He is currently an associate editor for three journals, including Frontiers in Medicine (Hepatology), Frontiers in Microbiology (Virology), and the Gastroenterology & Hepatology International Journal (GHIJ). He also a reviewer for over 26 national and international journals. Additionally, he has served as chairperson for the International Liver Cancer Course 2024 (ILCC2024) for the session on Scores and Prediction Models in the Management of HCC. He acted as a judge for the Poster Presentations session at ILCC 2024 and served as a judge for the VIROLOGY Poster Presentation at MICROCON 2024. He is an expert for extramural funding agencies (ICMR and DST). He has evaluated Ph.D. theses from ILBS and SAU and has served as an examiner for several institutes, including ILBS, JNU, THSTI, IIT, and KIIT, for various entrance and Ph.D. viva examinations.

Dr Deepak Gunjan has been involved in developing national guidelines for pancreatic enzyme replacement therapy for the Indian Pancreas Club at Christian Medical College, Vellore, Tamil Nadu. He has also chaired the 7th Edition of the Gastroenterology Excellence Program held at Mumbai, Maharashtra in 2025.

Dr Soumya Jagannath Mahapatra is an Associate Fellow of the National Academy of Medical Sciences.

VISITING SCIENTIST

1. **Dr Maitreyi Raman**, Associate Professor in the Department of Medicine at the University of Calgary, was a visiting professor in our department for one month in October 2024.
2. **Professor Martin Freeman**, Professor of Medicine in the GI division at University of Minnesota, USA, visited the department and conducted ERCP case discussions on 22 April 2024.
3. **Dr Silvia Melgar**, Investigator at the APC Microbiome Institute in Cork, Ireland, visited the department on 23 September 2024, and delivered a lecture on "Identification of mechanisms underpinning bacteria and dietary additives influence on host responses and their relevance to IBD."
4. **Dr Marietta Iacucci**, Professor and consultant gastroenterologist at University College Cork, visited the department on 3 October 2024 and delivered a lecture on "Artificial Intelligence and Endohistomics in IBD."
5. **Dr Claudio Fiocchi**, Professor of Molecular Medicine at the Cleveland Clinic Lerner College of Medicine and in the Department of Inflammation & Immunity at the Lerner Research Institute, Ohio, visited the department on 7 October and delivered a lecture titled "Breaking the therapeutic ceiling in IBD with precision medicine."
6. **Dr Gursimran Kocchar**, Chief of Gastroenterology, Hepatology and Nutrition at Allegheny Health Network, Pittsburgh, visited the department on 27 October 2023 and delivered a lecture titled 'Role of Endoscopy in IBD' at 5 pm.
7. **Professor David Weinberg**, Chair of Department of Medicine at Fox Chase Cancer Center, Temple Health, United States, visited the department on 4 December 2024 and delivered lecture on "Multi-cancer early detection tests – Ready or Not?"
8. **Dr Mayur Garg**, Director of Gastroenterology at Northern Health and Clinical Associate Professor at the University of Melbourne, visited the department on 19 December 2024 and delivered a lecture on Acute Severe Ulcerative Colitis.
9. **Dr Anjan Dhar**, Professor of Medicine at Teesside University, United Kingdom visited the department on 28 January 2025 and delivered a lecture on "Endobariatrics - the new frontier"

10. **Dr Amit Singal**, Professor in the Department of Internal Medicine at UT Southwestern Medical Center, visited the department on 29 January 2025
11. **Professor Arndt Vogel**, MD, head of the GI-Cancer Center and the Center for Personalized Medicine at Medical School Hannover, visited the department on 7 February 2025 and delivered a lecture on the Role of Immunotherapy in Advanced HCC and Management of Immune-mediated Adverse Events.
12. **Professor Asbjorn Mohr Drewes and Professor Soren Schou Olesen** from Aalborg University, Denmark, visited the department on 11 March 2025 and conducted case-based discussions on Chronic Pancreatitis.
13. **Dr Daniel Leffler**, Associate Professor of Medicine at Harvard Medical School, visited the department on 25 March 2025, and delivered a lecture on new developments in celiac disease.
14. **Dr Namita Singh**, Senior Medical Director and Global Clinical Development Lead, Gastrointestinal and Inflammation at Takeda Pharmaceuticals, visited the department on March 25, 2025, and delivered a lecture on Tyk2 Inhibition in Inflammatory Bowel Disease.
15. **Dr Chakshu Desai** from Harvard Medical School visited the department on 25 March 2025, and delivered a lecture on Safety Monitoring in Global Clinical Trials

9.14 Gastrointestinal Surgery and Liver Transplantation

Professor and Head

Sujoy Pal

Professor

Nihar Ranjan Dash

Associate Professors

Rajesh Panwar | Saurabh Galodha | Anand Narayan Singh

Assistant Professor

Kailash Chand Kurdia

HIGHLIGHTS

The department conducted mid-term CME in collaboration with the Indian Association of Surgical Gastroenterology(IASG). The department also conducted pancreatico-jejunostomy workshops for surgical trainees. In collaboration with the Indian Chapter of International Hepato-pancreato-biliary Association (IHPBA India), the department faculty co-ordinated the HPB certificate course held at Kathmandu, Nepal from 23-27 October 2024. The department also conducted the NBE Surgical Gastroenterology clinical examination on 8 September 2024. Another highlight of the year 2024 was the expansion of patient care services in the form of increase in the number of operation theatre slots and in-patient beds. The department thoroughly utilized this expansion and conducted 1110 major GI operations, achieving more than 1000 operations in a single year for the first time since the inception of the department.

EDUCATION

The department is actively involved in the teaching of undergraduate students. The following topics were taught to sixth & eighth semester students through didactic lectures and integrated seminars:

- Portal hypertension
- Upper Gastrointestinal bleeding
- Acute Intestinal obstruction
- Inflammatory lesions of small and large bowel
- Cancer of the stomach
- Biliary strictures
- Obstructive Jaundice
- Acute Pancreatitis
- Nutrition in surgical patients
- Benign and malignant esophageal disorders
- Lower Gastrointestinal bleeding
- Intestinal tuberculosis
- Amoebic lesions of the bowel and liver
- Gall stone disease and complications
- Gall bladder cancer
- Diseases of the Pancreas
- Chronic Pancreatitis

The department offers 3 year training leading to award of MCh in Gastrointestinal Surgery. There are 15 MCh students in the department. The department also offers short-term observership for a period of 1–3 months. The weekly academic activities include a weekly audit, presentations of abstracts of recently published papers, a seminar, journal club, and discussion on research and dissertation projects. Besides these, a combined round with Gastroenterology and a GI Radiology conference are held once in a week, and a GE-GI Surgery histopathology conference once in two weeks. The department also regularly conducts cadaveric based teaching of liver retrieval and tissue model based surgical skill courses to teach bowel, biliary, pancreatic and vascular anastomosis techniques to post-graduate students.

CMEs/Workshops/Symposia/National & International Conferences

1. Pancreatico-Jejunostomy workshop, 8-9 June 2024, Wet Lab, SET facility, Convergence Block 2nd Floor, AIIMS, New Delhi
2. Mid-term meeting of IASG, 13-14 July 2024; Jawahar Lal Auditorium, AIIMS, New Delhi

3. Pancreatico-Jejunostomy workshop, 27-28 July 2024, Wet Lab, SET facility, Convergence Block 2nd Floor, AIIMS, New Delhi

Sujoy Pal

1 Risk assessment for malignancy in small pancreatic NET, IHPBA India Chapter National meeting, 2024, 8 April 2024, Puducherry

2 Moderator of Liver surgery symposium, IASG Mid term Meeting, AIIMS, 14 July 2024, AIIMS, New Delhi

3 Borderline resectable Pancreatic Cancer-definition and current understanding, IASGCON National meeting 2024**,** 3 October 2024, Patna

4 Approach to borderline resectable pancreatic cancer**,** NASG-IHPBA IC HPB course NAMS, Bir Hospital**,** 24 October 2024, Kathmandu, Nepal

5 Right hepatectomy: conventional and anterior approach, NASG-IHPBA IC HPB course NAMS, Bir Hospital**,** 26 October 2024, Kathmandu, Nepal

6 Challenges in managing Borderline RPC, Inaugural Meetting of Gastrointestinal Oncological Society, 9 November 2024, Chandigarh

7 Acute variceal bleeding: role of surgery, Combined Grand Round, AIIMS, 14 November 2024, AIIMS, New Delhi

8 Current surgery for NCPH, PGI surgical Colloquium, PGIMER, 15 Novemeber 2024, Chandigarh

9 Advances in surgical management of hilar cholangiocarcioma,, ASICON National Meeting, 14 December 2024, Agra

10 Complications of liver surgery, IHPBA-IC Course, AIMS, 15 January 2025, AIMS, Faridabad

11 Mastering BDI management, IHPBA-IC Course, AIMS, 18 January 2025, AIMS, Faridabad

12 Beyond the limits: Expanding resectability criteria in GBC, IHPBA-IC Course, AIMS, 18 January 2025, AIMS, Faridabad

13 Fast tracking liver transplantation, Transplantation update, IKDRC, 9 February 2025, Ahmedabad

14 MDT: CRC liver metastasis,, IASG MID-TERM CONFERENCE (KIMS), 15 February 2025, Hyderabad

15 PJ techniques following PD: video lecture, 21st National meeting of IHPBA 2025, 20 March 2025, Kolkata

16 Panel discussion on early vascular complications of liver transplantation (moderator), AILBS meeting, New Delhi, 29 March 2025, New Delhi

Nihar Ranjan Dash

1 Gracillopasty for faecal incontinence, AIIMS Colo-Proctology symposium, 25-27April 2024, New Delhi

2 Colorectal Cancer, CRC Master class, 18 May 2024, New Delhi

3 Gastrointestinal Cancer, IASG Mid-Term Meet focusing on minimally invasive surgery (MIS), 21-22 June 2024, Ahmedabad

4 Gastric Cancer, CME in surgery 2024, 1-5 September 2024, New Delhi

5 Prevent post of recurrence in CD, Distinguish panelist for the session 4 of the bridge IBD (Program) Multi-Discipline team for IBD, 12 September 2024, Ludhiana

6 Consensus of the Management protocol ICCA and hepato-cholangioca therapy algorithm, International liver cancer course, 27-29, September2024, New Delhi

7 Nutritional risk assessment in G.I. Surgery, IASGCON 34th Annual conference of Indian association surgical gastroenterology, 3 – 6 October 2024, Patna, Bihar

8 Gut Alteration in SIBO, IAPEN in collaboration with the Kolkata chapter, 23-24 November 2024, Kolkata

9 Complication in Surgery, 4th Jaipur surgical festival (JSF), 6-8 December 2024, Jaipur

10 Diet therapies in child neurology, pediatric neurologist perspective, 2nd pediatric nutrition annual meet, 20 December 2024, New Delhi

11 Nutritional Management of non-alcoholic steatohepatitis, IAPEN India chapter of Varanasi, 22 February 2025, Varanasi

12 Clinic in surgical gastroenterology, IASG Post Graduate, 21 February 2025, Lucknow

13 Surgery in Crohn's disease, CCF (Colitis and Crohn's foundation of India), 8 March 2025, Ludhiana

14 Consensus guideline for incidental GB cancer, IHPBA India 2025, 20-23 March 2025, Kolkata

Rajesh Panwar

1 Management of Type 3 and Type 4 Hilar Cholangiocarcinoma-Case based panel discussion, 20th Annual Conference of the International Hepato-Pancreato-Biliary Association, Indian Chapter, 7 April 2024, Puducherry

2 Ileal pouch anal anastomosis: Video, AIIMS Coloproctology Symposium 2024, 27 April 2024, Delhi

3 Technique of duct-to-mucosa pancreatico-jejunostomy: Video lecture, Pancreatico-Jejunostomy workshop, 8 June 2024, Delhi

4 Demonstration of Technique of Dunking Pancreatico-jejunostomy on animal tissues, Pancreatico-Jejunostomy workshop, 9 June 2024, Delhi

5 Colorectal cancers: Panel discussion, IASG Midterm CME, 14 July 2024, Delhi

6 Technique of duct-to-mucosa pancreatico-jejunostomy: Video lecture, Pancreatico-Jejunostomy workshop, 27 July 2024, Delhi

7 Demonstration of Technique of Dunking Pancreatico-jejunostomy on animal tissues, Pancreatico-Jejunostomy workshop, 28 July 2024, Delhi

8 Strategies to make Colorectal Liver Metastasis resectable: Panel Discussion, 4th Foundation Day CME, 3 August 2024, Chandigarh

9 Surgery for Crohn's Disease & Perianal fistulae, BRIDGE IBD Program: Colitis & Crohn's Foundation (India), 12 September 2024, Delhi

10 Difficult decisions in EHPVO-Case based Panel discussion, IASGCON 2024, 4 October 2024, Patna

11 Lower GI Case: Discussant, IASGCON 2024, 6 October 2024, Patna

12 Case Control Study: Planning, Conducting, Analysing & Presenting, IASGCON 2024, 6 October 2024, Patna

13 Whipple's procedure-how I do it? Open approach, HPB surgery certificate course, 25 October 2024, Kathmandu (Nepal)

14 Current role of portosystemic shunt operation, HPB surgery certificate course, 27 October 2024, Kathmandu (Nepal)

15 Advances in the surgical management of gastroesophageal junction and gastric cancers, GIOS 2024, 9 November 2024, Chandigarh

16 Definition and classification of complications, 4th Jaipur Surgical Festival, 6 December 2024, Jaipur

17 Acute Pancreatitis: Panel Discussion, 4th Jaipur Surgical Festival, 6 December 2024, Jaipur

18 Bleeding liver tumors-Approach and management, IHPBA India 2025-21st National Conference of the Indian Chapter of the International Hepato-Pancreato-Biliary Association, 21 March 2025, Kolkata

19 FAP-Evaluation and Management, IASG Midterm Conference 2025, 14 February 2025, Hyderabad

Saurabh Galodha

1. Abdominal Compartment syndrome-Case based Panel discussion (Panelist), IASGCON 2024, Patna, 5 October 2024, Patna

2. Challenges in management of enterocutaneous fistula' – Panel Discussion (Panelist), 84th Annual Conference of the Association of Surgeons of India, 11-14 December 2024, Agra

Anand Narayan Singh

Kailash Chand Kurdia

1. Abdominal Compartment syndrome-Case based Panel discussion, IASGCON 2024, Patna, 5 October 2024, Patna
2. Non-transplant Surgery in Cirrhotic Patients-Current Status, Resurge 2024, PGIMER, Chandigarh, 16 November 2024, Chandigarh
3. "Management of stoma and its complications ", XIV National Conference of the Society of Surgeons of Nepal in Collaboration with SAARC Surgical Care Society, 21-23rd November 2024, Pokhara, Nepal
4. Panel discussion on complication of Esophagectomy, 4th Jaipur Surgical Festival (JSF) Jaipur Rajasthan India, 7 December 2024, Jaipur (Online)

Name of faculty	2022–2023	2023–2024	2024–2025
Sujoy Pal	9	10	16
Nihar Ranjan Dash	5	14	14
Rajesh Panwar	7	9	19
Saurabh Galodha	6	11	2
Anand Narayan Singh	1	3	
Kailash C Kurdia	-	4	4

Oral papers/posters presentation

1 Bhatia A, Srivastava A, Pal S, Shalimar, Madhusudhan KS, Dash NR, Sahni P, Prevalence of Minimal Hepatic Encephalopathy in Extra Hepatic Portal Venous Obstruction (EHPVO) patients following Proximal Lienorenal Shunt surgery, 16th World Congress of IHPBA, 15-18 May 2024, Cape Town, SA

2 Chopra A, Pal S, Saraya A, Sahni P, Madhusudhan KS, Sharma MC, Chauhan SS, Dash NR, Kanga U, Singh N, Lohani NA Prospective Observational Study on the Impact of Sarcopenia on Perioperative Outcomes following Pancreaticoduodenectomy for Periampullary Carcinoma EP02D-124, 16th World Congress of IHPBA, 15-18 May 2024, Cape Town,

3 Galodha S, Dash NR, Mithun KR, Percutaneous transhepatic biliary drainage (PTBD) for palliation of jaundice in patients of unresectable/disseminated carcinoma gall bladder with hilar block: Is it a worthwhile enterprise?, ESMO GI Cancer Congress 2024, 13-17 September 2024, Barcelona, Spain

4 Galodha S, Portal Hypertension and Secondary Biliary Cirrhosis in Post Cholecystectomy Benign Biliary Strictures: Cause, management & long term outcomes, SAGES 2024, 17-20 April 2024, Cleveland, USA

5 Kurdia KC, Jain V, Irrinki S, Khare S, Satish SN, Sakaray Y, Savlania A, Tandup C, Varma P, Kaman L, Implementation of modified enhanced recovery after surgery (ERAS) following surgery for abdominal trauma; Assessment of feasibility and outcomes: A randomized controlled trial (RCT), 2024 ACS Quality and Safety Conference, July 18-21st, 2024, Denver, USA

6 Maurya S, Jain K, Srikanth CV, Kshetrapal P, Garg P, Pal S, Chronic infection induced host epigenetic modifications as a mechanism for gall bladder carcinogenesis with supporting evidence using a mice model, 16th World Congress of IHPBA, 15-18 May 2024, Cape Town, SA

7 Panigrahi S, Pal S, Challenges in the management of intrathoracic rupture of liver hydatid cyst, 21st National Conference of IHPBA 2025, 20-23 March 2025, Kolkata1

8 Sahni K, Pal S, Anand A, Pushing surgical boundaries: DP-CAR for locally advanced pancreatic cancer (LAPC), 21st National Conference of IHPBA 2025, 20-23 March 2025, Kolkata

9 Sahni K, Pal S, Shalimar, Srivastava A, et al, Long term outcome of prophylactic surgery for patients with EHPVO, 21st National Conference of IHPBA 2025, 20-23 March 2025, Kolkata

Oral/poster presented over past 3 years

Presentation	2022–2023	2023–2024	2024–2025
Oral/**poster**	3	5	9

RESEARCH

Funded projects

Ongoing

1 Development and Validation of a structured hands-on surgical skills training module for duct-to-mucosa pancreatico-jejunostomy using animal tissues, Dr. Rajesh Panwar, AIIMS, New Delhi Intramural, 2 years, 2023-25, Rs. 5 lakhs

2 Exploring the transcriptome of gallbladder cancer: A Comparative study of metastatic and Non-Metastatic Patients Using RNA Sequencing and Organoids, Dr. Kailash Chand Kurdia, AIIMS Interdisciplinary Collaborative Intramural Research Project, 02 years, 2024-26, Rs. 5 lakhs

3 Transcriptome profiling to identify LncRNA-miRNA-mRNA regulatory axes involved in chemoresistance in esophageal cancer, Dr NR Dash, SERB, Ongoing, 2023-26, Rs. 45.36 Lakhs

4 Trial of Unmanned Aerial Vehicles for medical supplies between CHRSP Ballabgarh and its associated centers, Dr. Rajesh Panwar, AIIMS, New Delhi (AIIMS-IIT collaborative research project), 2 years, 2023-25, Rs. 2.5 lakhs

Completed

1 Database creation for computational predictive analysis of treatment response assessment in Esophageal cancer patients in India, Dr. Rajesh Panwar (PI from AIIMS, New Delhi, ICMR (Collaborative multi-centre project), 3 years, 2021-24, Rs. 27.56 lakhs

Departmental projects

Ongoing

1 A study to determine probability of identifying same specific pathogenic organisms pre and post operatively in patients undergoing whipple's pancreaticoduodenectomy And correlation of their antibiotic sensitivity pattern

2 Clinical Significance and risk factors of Post-Pancreatectomy Acute Pancreatitis After Pancreatectomy-A single centre prospective cohort study

3 Clinical significance of tumour infiltrating lymphocytes in patients with Gall Bladder Cancer

4 Correlation of postoperative morphology of pancreas with the severity of pain in patients with chronic pancreatitis : an ambispective study

5 Development and validation of the post hepatectomy liver failure-risk assessment (PHLF-RI) scoring system in patients undergoing liver resection

6 Outcomes following management of portal cavernoma cholangiopathy

7 Quality of life after total pancreatectomy: A single centre cross-sectional study

8 Role of FAPI-PET/CT in Hepatobiliary malignancies-A prospective pilot study

9 To evaluate the success rate of different treatment strategies in gall bladder carcinoma presenting with obstructive jaundice

10 To study the spectrum of pancreatic neuroendocrine tumors occurring in the background of a cohort of MEN1 patients presenting to AIIMS, New Delhi.

11 To validate the PREDICT-DGE scoring system in an Indian Cohort of patients undergoing Pancreatoduodenectomy with an aim to predict and assess the risk of delayed gastric emptying

12 To validate the PREDICT-DGE scoring system in an Indian Cohort of patients undergoing Pancreatoduodenectomy with an aim to predict and assess the risk of delayed gastric emptying

Completed

1 The role of Positron Emission Tomography/Computed Tomography (18FDG-PET/CT) in primary resectable carcinoma Gallbladder

2 To study the long-term follow up of patients who have undergone prophylactic shunting for EHPVO at AIIMS

Collaborative projects

Ongoing

1 Effect of I:E ratio optimisation and prolonged end inspiratory pause on postoperative lung atelectasis and pulmonary complications in adult patients undergoing major open abdominal surgery: A randomised controlled trial, Anaesthesiology

2 Study of Tight Junction claudin proteins in intestinal biopsies from patients with Inflammatory Bowel Disease, Pathology

Completed

1 A randomized controlled Trial evaluating the efficacy of a combination of Tofacitinib and fecal microbiota transplantation (FMT) versus Tofacitinib and sham feeding in inducing remission in patients with moderate to severe ulcerative colitis, Gastroenterology

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	5	4	5
Total funding	Rs. 26,46,000	Rs. 35,40,000	Rs. 57,86,000

Publications

Journals: 18 **Abstracts: 04** **Chapters in Book: 02**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	33	28	24
Journal articles	21	25	18
Abstracts	11	2	4
Chapters in books	0	1	2
Books	1	0	0

PATIENT CARE

OPD: 28032

New patients: 3840 **Revisits: 24192**

Specialty clinics

Department is running a daily clinic for stoma patients.

Inpatients: 1323

Total Surgical procedures: 1110 **Elective: 860** **Emergencies: 250**

Special interest areas

Biliary obstruction: 211
Portal hypertension: 89
Oesophageal cancer: 36
Carcinoma gall bladder: 97
Ulcerative colitis: 49
Upper GI haemorrhage: 5
Lower GI haemorrhage: 11
Acute pancreatitis: 81
Chronic pancreatitis: 25
Biliary strictures: 26
Pancreato-duodenectomy: 90
Major Liver resections: 19

Community services/camps:

Medical camp at Kargil, Ladakh: 7-13 July 2024

- Outpatient Services
- Inpatient consultations

Medical camp at Leh, Ladakh: 14-21 September 2024

- Outpatient Services
- Inpatient consultations
- Major operative procedures
- Out-reach OPD to remote areas

Patient care

Item	2022–2023	2023–2024	2024–2025
OPD Total	14058	14838	28032
OPD: New	3277	3736	3840
OPD: Follow up	10781	11102	24192
Total inpatient admissions	994	1228	1323
Elective surgeries	392	745	860
Emergency surgeries	232	235	250

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Sujoy Pal was elected the Secretary General of Indian association of Gastroenterology for a tenure of 3 years in October 2024.

Dr Sujoy Pal was part of the IHPBA-APHPBA International Study Group of Gallbladder Cancer which published its clinical practice recommendations in 2024. He also evaluated 4 thesis submitted by various candidates appearing for MCh Surgical Gastroenterology exit exams from various universities and institutes of national importance.

Professor Nihar Ranjan Dash is Chief editor of " Journal of nutrition research" E-ISSN : 2348-1064

Dr Rajesh Panwar is a member of the education committee of the IASG, Section editor for Tropical Gastroenterology Journal, executive member of Indian Association of Surgical Gastroenterology as well as Indian Chapter of International Hepato-Pancreato Biliary Association (IHPBA), member of SET facility team and wet lab sub-committee, Joint Secretary of the 'The AIIMSONIANS', the alumni association of AIIMS, New Delhi; Was Invited as chairperson/Judge/Faculty for The Liver Summit & IHPBA Midterm Meet 2024 at Jaipur, IASGCON 2024 at Patna, ENDOSURG, Delhi, 1st AMASI MMAS-HPB course, Delhi and IHPBA India 2025 at Kolkata ; is a reviewer for many international indexed journals.

Dr Kailash C Kurdia received ICMR International Travel Grant Support to attend "2024 ACS-Quality and Safety Conference, Denver, Co. USA.18-21 , July2024

VISITING SCIENTIST

Dr Ravindra Kadiyala, Director or Living donor transplant & Abdominal Transplant Fellowship, Division of Transplantation

Duke University, Durham, NC, USA visited the Departments of GI surgery and Gastroenterology, AIIMS in June 2024, interacted with residents over case discussions related to liver transplantation and delivered 2 lectures on the following topics on 7 June 2024:

1. Developing a small bowel transplant programme in India: technical and logistic challenges
2. Liver transplantation for perihilar cholangiocarcinoma

The lectures were well received and stimulated a lot of interest.

9.15 Geriatric Medicine

Professor and Head

Naveet Wig

Professors

Prasun Chatterjee

Avinash Chakrawarty

Assistant Professor

Nidhi Soni

Pramod Kumar Mehta

Ambica Singh (Contractual)

Abhijith R Rao (Contractual)

HIGHLIGHTS

The Department of Geriatric Medicine at AIIMS, New Delhi, has made remarkable strides in 2024, expanding its services and enhancing the quality of geriatric care. Under the National Programme for the Health Care of the Elderly (NPHCE), the National Centre for Ageing, NCA AIIMS (New Delhi) was inaugurated in 2023 and has emerged as a state-of-the-art facility providing comprehensive care for older adults. Collaborating with departments such as Surgery, Orthopedics, Psychiatry, PMR, Cardiology, and Radiology, the centre ensures an integrated, multidisciplinary approach to geriatric healthcare.

Key milestones include the operationalization of NCA OPD and laboratory/radiology services in 2023, followed by the launch of inpatient services, a dedicated geriatric ICU, and fully equipped operation theatres at NCA in 2024. Specialized services have expanded, with the addition of Geriatric Oncology and Fragility Fracture Clinics for cancer and fracture patients respectively, supplementing the existing Memory Clinic for dementia assessment. As a WHO Collaborating Centre, the department actively advances geriatric research and health promotion.

The Integrated Care for Older People (ICOPE) initiative, focusing on intrinsic capacity building, has screened 3, 956 older adults, ensuring timely assessment and intervention. Research remains a cornerstone, with __30 thesis projects and __12 funded research projects. A noteworthy study here is the “Biomarkers of Ageing” study, which explores ageing mechanisms in the Indian population. With cutting-edge clinical care, education, and research, the department continues to set benchmarks in geriatric medicine, driving advancements in healthy ageing across India and beyond.

EDUCATION

As India’s largest postgraduate training department in geriatrics, the Department of Geriatric Medicine at AIIMS, New Delhi, leads the way in academic excellence. In parallel with institutional activities like Clinical Combined Rounds, the department remains committed to delivering high-quality postgraduate education.

Postgraduate students and senior residents, under the guidance of faculty consultants, have diligently upheld a rigorous and punctual academic schedule. In addition to their academic training, residents have actively engaged in various workshops and conferences at both national and international levels. Their consistent dedication is also reflected in their commendable performance in thesis research, study projects, and delivery of high-quality patient care.

A Continuing Medical Education (CME) session was organized at the National Centre for Ageing (NCA) on the theme “Bridging Barrier Between Geriatricians and Surgeons.” The session aimed to foster interdisciplinary collaboration and enhance understanding of the unique needs of older surgical patients. It witnessed enthusiastic participation from faculty members, senior residents, and junior residents across various specialties including Geriatric Medicine, Orthopedics, surgery, physiotherapy, psychiatry and anesthesia. Through interactive discussions and case-based learning, the CME successfully highlighted the importance of teamwork between geriatricians and surgeons in improving patient outcomes, and the adjunctive role of other specialties in recovery. The event was well-received and served as a platform to exchange ideas, share experiences, and strengthen interdepartmental academic ties.

In addition to the allotted and ongoing department academics, research and patient care, postgraduates from the department have been participating in various quizzes and are actively involved in presentations and academic gatherings.

CMEs/Workshops/Symposia/National and International Conferences

Name: CME- Bridging Barrier Between Geriatricians and Surgeons
Date: 2nd December 2024
City: New Delhi

Lectures delivered at CMEs, National and International Conferences

Prasun Chatterjee

1. Super Ager- A myth or the future!, HOPECON 2024 Comprehensive Healthcare- The Complete Care, 28-30 June 2024, Kolkata
2. Biomarkers of Healthy Ageing, GERI CARE Geriatrics Conclave 2024 &1st Asian Geriatric Oncology Society Conference, 28-29 September 2024, Chennai
3. Panel Discussion on Longevity: Longevity for corporate wellness, CLO Chief Learning Officers Summit India, National Stock Exchange, 14-15 November 2024, Mumbai
4. A Pilot Prospective Cohort Study to Define Biomarkers of Ageing in Five Different Cohorts from Newborn to Oldest Adult: A Study Protocol, GERICON 2024, 29 November- 1 December. 2024, Varanasi
5. Understanding Biological Ageing and its biomarkers: A Road to longevity, 21st biennial international conference of Association of Gerontology (India), AGI, 13-15 December 2024, New Delhi
6. Understanding Biological Ageing and its biomarkers: A Road to longevity, APICON 2025, 23-26 January 2025, Kolkata
7. Biomarkers of Ageing: A Road to longevity, RISE for healthy Ageing- Longevity Conference India, 10-12 March 2025, Bengaluru

Nidhi Soni

1. Panel discussion "Comprehensive Care of geriatric patients with multiple comorbidities: A Multidisciplinary approach", 4th CME of Delhi State chapter of IAPC (Indian Association of Palliative Care), 27th April 2024, New Delhi
2. Practical Approach to Developing a Geriatric Oncology Clinic, ISMPO-CON Conference, 18th October 2024, New Delhi
3. Comprehensive Geriatric Assessment and Multimorbidity Management, NAMSCON Conference, 24th November 2024, Jodhpur
4. Geriatric- assessment based interventions, GERICON Conference, 29th November 2024, Varanasi, Uttar Pradesh
5. Comprehensive Geriatric Assessment and Multimorbidity Management, CME - Bridging Barrier Between Geriatricians and Surgeons, 2nd December 2024, New Delhi
6. Geriatric Oncology: Case-based panel discussion, 21st biennial international conference of AGI, 13-15 December 2024, New Delhi
7. Conducted Geriatric Oncology symposium "Multidisciplinary perspectives on Geriatric oncology: collaborative strategies for comprehensive patient management", NCPO Conference, 3-5 January 2025, New Delhi

Pramod Kumar Mehta

1. Integration of Palliative Care in Geriatric Population: Geriatric Physician Perspective, 4th CME of Delhi State chapter of IAPC (Indian Association of Palliative Care), 27th April 2024, New Delhi
2. Panel Discussion - 'Ageing in Place', 1st ELDERCON Conference, 27th September 2024, New Delhi
3. Uses and limitation of tools of Geriatric assessment in Indian scenario and way forward, ISMPO-CON Conference, 18th October 2024, New Delhi
4. Diabetes in older adults: Challenges and special consideration, ACDACON Conference, 27th October 2024, Asansol, West Bengal
5. Workshop on the topic – 'Brain imaging in Dementia', GERICON Conference, 29th November, Varanasi, Uttar Pradesh

6. Preoperative and Post-operative in an elderly patient, CME - Bridging Barrier Between Geriatricians and Surgeons, 2nd December 2024, New Delhi
7. Management of Dementia – Recent Update, 21st biennial international conference of Association of Gerontology (India), AGI, 13 - 15 December 2024, New Delhi
8. Challenges and special needs of older adults with cardiovascular disease, National level Workshop on 'Transforming cardiac outcomes through comprehensive nursing care', 20 - 24 January 2025, New Delhi

Ambica Singh

1. Osteosarcopenia, CME - Bridging Barrier Between Geriatricians and Surgeons, 2 December 2024, New Delhi

1. Biomarkers in Alzheimer's Disease diagnosis, 21st Biennial International Conference of AGI, 13-15 December 2024, New Delhi

Abhijith R Rao

1. Preclinical Dementia and Mild Behavioral Impairment, 21st Biennial International Conference of AGI, 13-15 December 2024, New Delhi

1. Does Geriatric assessment and Management improve outcomes?, AROICON 2024, 30 November 2024, Mangalore

Lectures delivered over past 3 years

2022–2023	2023–2024	2024–2025
02	09	27

List of oral papers/posters presented

1. Mallick Richa, Rao Abhijith R, Jaiswal Akash, Mehta Pramod Kumar, Soni Nidhi, Chakrawarty Avinash, Chatterjee Prasun, Prospective Cohort to study the adverse outcomes related to potentially inappropriate medications as per beer's criteria in elderly patients, 21st Biennial International Conference of AGI, 13-15 December 2024, New Delhi
2. Poonia Yogesh, Rao Abhijith R, Tata Raj Kumar, Vedula Mihir, Mehta Pramod Kumar, Soni Nidhi, Chakrawarty Avinash, Chatterjee Prasun, Prospective Observational Study on Predictors of Prolonged Length-of-stay (pLOS) in Hospitalized Geriatric Patients, International Conference no Frailty and Sarcopenic Research (ICFSR) 2025, March 12 2025, Toulouse, France
3. Poonia Yogesh, Rao Abhijith R, Tata Raj Kumar, Vedula Mihir, Mehta Pramod Kumar, Soni Nidhi, Chakrawarty Avinash, Chatterjee Prasun, Prospective Observational Study on Predictors of Prolonged Length-of-stay (pLOS) in Hospitalized Geriatric Patients, 21st Biennial International Conference of AGI, 13-15 December 2024, New Delhi
4. Sakthi K, Rao A, Rao AR, Chakrawarty A, Cross-sectional Study on association of self-reported oral health problems and cognitive dysfunction in elderly in the Indian population, GERICON 2024, 29th November 2024, Varanasi
5. Singh Ambica, Dey A B, D Vignesh, Brain health in Diabetic Seniors: Understanding the Dementia dynamics, Alzheimer's Association International Conference 2024**,** July 28- August 1, 2024**,** United States of America
6. Tata Raj Kumar, Rao R Abhjith, Rao Akshata, Poonia Yogesh, Pramod Kumar, Chakrawarty Avinash, Comparative Analysis of Geriatric Syndromes and Biomarkers in elderly population with sarcopenic obesity, International Conference no Frailty and Sarcopenic Research (ICFSR) 2025, March 12 2025, Toulouse, France
    a. A. V. Tilak Prize for best oral presentation
    b. First prize in oral presentation

Oral/poster presentations over past 3 years

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	05	12	**0**6

RESEARCH

Funded projects

Ongoing

1. Association between the Dual Task gait performance and cognitive frailty among older adults. Dr. Pramod Kumar Mehta, AIIMS - Intramural funding, 2 years, 2024-26, Rs. 6,00,000
2. Blood plasma derived exosomal profiling of cytokines and chemokines in frail elderly and assessment of impact of Nordic walking intervention on exosomes, Dr Avinash Chakrawarty, ICMR, 3 years, 2023-26, Rs 70,35,084
3. Determination of anti-aging and antioxidant potential of a Unani formulation, Dr Avinash Chakrawarty, CCRUM, Ministry of AYUSH, Government of India, 3 years, 2021-24, Rs 48,71,832
4. Development and validation of an android based application app to assess cognitive status of older people through speech, emotion and visuo-spatial pattern recognition. Dr Prasun Chatterjee, DST, 2 year, 2023-25, Rs. 21,43,650
5. Efficacy of adjunct probiotics in combination with standard of care as compared to standard of care alone in elderly patients with moderate unipolar depression: A randomized double-blind parallel-group placebo-controlled multi-center pilot trial (Site PI at AIIMS, ND), Dr Prasun Chatterjee, ICMR, 2 years, 2023-25, Rs 31,32,440
6. GIS Based Surveillance of People with Dementia and Its Risk Factors among People Residing in South Delhi by Multi- Disciplinary Collaborative Approach- A Pilot Cross Sectional Study for Customized Care Plan and Policy Planning, Dr Prasun Chatterjee, DHR, 2 years, 2022-24, Rs. 15,00,000
7. Health Awareness Amongst Elderly and Family Member of India through Series of Audio Visual and Print Media, Leveraging Existing Old Age Solution Portal of the Department of Geriatric Medicine-AIIMS, Dr Prasun Chatterjee, Central Warehousing Corporation (CWC), 1 year, 2023-24, Rs. 30,00,000
8. Impact of Geriatric assessment- based intervention on Health-Related Quality of life of older patients with cancer, Dr Nidhi Soni, AIIMS- Intramural funding, 2 years, 2024-26, Rs 10,00,000
9. Validating Biomarker Panel in Five Different Cohorts to Define and Predict Biological Ageing, Disease Burden and Mortality in Human Subjects- A Pilot Prospective Cohort Study. (Technically Approved), Dr Prasun Chatterjee, ICMR, 3 years, 2023-25, Rs 98,00,000

Completed

Departmental projects (including thesis/dissertations)

Ongoing

1. A cross-sectional study of factor associated with hospital readmission within 90 days of discharge in older adults with age more than 65 years
2. Biomarkers of delirium in urinary tract infection patients
3. Change in intrinsic capacity of older adults during and after hospitalization based on WHO ICOPE based assessment
4. Effect of exercise on dual task performance in cognitive frail patients
5. Evaluating the efficacy of gait and balance training for cognitive function and mobility in individuals with motoric cognitive risk syndrome: A pilot non-randomised controlled trial
6. Factors predicting risk of ATT induced hepatitis in elderly
7. Impact of geriatric assessment-based intervention on health-related quality of life of older people
8. Incidence, risk factors, and outcomes of hospital-acquired pneumonia among older adult patients
9. Non-randomised control trial to compare effect of metformin with 20% calorie restriction in elderly individuals with early diabetes
10. Older adults perspectives on healthy ageing
11. Pattern of smoking cessation among elderly and primary care givers after diagnosis of cancer
12. Predictable value of gait speed on composite outcome of survival or rehospitalisation in older adults

13. Prevalence of impairments in geriatric domains and Quality of life in elderly cancer survivors of India and its comparison with age matched non-cancer cohort: A case-control study
14. Prevalence of polypharmacy in older patients with malignancy
15. The psychological impact of age related special sensory impairment on mental health, cognition and quality of life in older adults
16. The type of dietary pattern and effect of dietary pattern on longevity, physical function biomarker in older adults aged 65 years and above- A cross-sectional study
17. To evaluate the benefit of magnetic stimulation of pelvic floor in older females with urinary incontinence

Completed

1. Assessment of Cardio Pulmonary Exercise Indices in Sarcopenia Patients after Guided Physiotherapy
2. Assessment of Factors Affecting Functional Independence in Oldest Old Adults
3. Assessment of Intrinsic Capacity in Indian older adults aged 65 years or more with prostate carcinoma and without prostate carcinoma
4. Comparing the performance of the CARG and CRASH score for predicting toxicity in older patients with cancer in India

Collaborative projects

Ongoing

1. A multidisciplinary approach to understanding the interrelationships between sleep quality, brain morphometry and cognition (a SOLACE study): Comparison between individuals residing in India vs the UK, Physiology, AIIMS, New Delhi
2. A randomized control trial to assess the effectiveness of reminiscence therapy on well-being and depression among elderly in selected old age homes of New Delhi, College of Nursing, AIIMS, New Delhi
3. A study of sleep architecture, brain morphometry and cognition in older, Physiology, AIIMS, New Delhi
4. A study of surveillance of HAI in geriatric population in an ICU, Hospital Administration, AIIMS, New Delhi
5. A two-arm longitudinal randomized control trial to evaluate the boneprotective riole of an ayurveda formulation in post-menopausal females, Laboratory Medicine, AIIMS, New Delhi
6. Analysing the angiogenesis-related proteins to understand aging in geriatric population, Cardiac Biochemistry, AIIMS, New Delhi
7. Assessing the efficacy of combined escitalopram and Buspirone in late life depression accompanied by cognitive impairment- An open label randomized controlled trial, Psychiatry, AIIMS, New Delhi
8. Assessment of osteosarcopenia, frailty and cognitive status in elderly with hip fractures: A prospective study, Orthopedics, AIIMS, New Delhi
9. Comparison of gut microflora of different age groups of geriatric population on long term Non-steriodal Anti-Inflammatory Drugs and healthy geriatric population, Laboratory Medicine, AIIMS, New Delhi
10. Development of non-invasive imaging biomarkers to assess the metabolic dysfunction, hepatosteatosis, and myosteatosis-related cardiovascular disease risk in the elderly Indian population, Radiology, AIIMS, New Delhi
11. ECM proteins as blood-based biomarkers and therapeutic targets for Alzheimer's disease, Biophysics, AIIMS, New Delhi, Exosomes as Early Indicators: Mechanistic insights and Biomarker Discovery in Alzheimer's Disease detection, Biophysics, AIIMS, New Delhi
12. Efficacy of a Brief intervention for Caregivers of Dementia Patients: A Randomized Control Pilot Trial, Psychiatry, AIIMS, New Delhi
13. Establishment of a Fragility Fracture Liaison Service at AIIMS: A multicentric study, Orthopedics (JPNATC), AIIMS, New Delhi

14. Evaluation of inflammatory and oxidative stress resistance proteins in serum, as biomarkers of Alzheimer's disease with therapeutic interventions, Biophysics, AIIMS, New Delhi
15. Exploring the role of Mitochondria related proteins in the pathogenesis of Alzheimer's Disease and their potential as Therapeutic Agents, Biophysics, AIIMS, New Delhi
16. Identification of mitochondria-related proteins as plausible biomarkers and therapeutic targets in Alzheimer's disease, Biophysics, AIIMS, New Delhi
17. Impact of sarcopenia and frailty on treatment outcomes in patients receiving intensive chemotherapy for leukemia and transplant conditioning- A prospective observational study from a tertiary care centre in India, Hematology, AIIMS, New Delhi
18. Investigating the impact of Extracellular Matrix Proteins on Alzheimer's Disease progression: from diagnostic to potential therapeutic Targets, Biophysics, AIIMS, New Delhi
19. Outcome of surgical procedures in elderly: An ambispective study, Surgical disciplines, AIIMS, New Delhi
20. Prevalence of mental disorders among elderly patients admitted in non-psychiatric clinical settings at a tertiary care hospital in India- A Cross- sectional, Observational Study, Psychiatry, AIIMS, New Delhi
21. Pyuria cut-off for Urinary Tract Infections in Post-menopausal females – A Case Control Study, Laboratory Medicine, AIIMS, New Delhi
22. Randomised controlled trial on comparison of standard medical treatment, Genicular artery embolization and intra-articular steroid injection in patients of osteoarthritis of knee, Radiology, AIIMS, New Delhi
23. To study the association of circulating endothelial progenitor cells (EPC) with intrinsic capacity (IC) in older adults, Cardiac Biochemistry, AIIMS, New Delhi
24. To study the association of EPC with Intrinsic Capacity (IC) in older adults, Cardiac Biochemistry, AIIMS, New Delhi

Completed

1. Evaluation of Immunomodulatory and antioxidant potential of a Unani formulation, Ocular Biochemistry, AIIMS, New Delhi
2. Study of circulatory level of serum proteins in inflammatory and anti-oxidative pathways in Alzheimer's disease for the establishment of potential biomarker and therapeutic target, Biophysics, AIIMS, New Delhi
3. To assess the palliative care needs, symptom burden and quality of life in geriatrics patients attending the tertiary care centre in India- A cross sectional observational study, Onco-Anesthesia and Palliative Care, AIIMS, New Delhi

Research projects over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	5	10	09
Total funding	Rs. 2,13,38,462	Rs. 3,30,50,566	Rs. 3,30,83,006

PUBLICATIONS

Publications

Journals: 16

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**19**	**32**	**16**
Journal articles	19	18	16
Abstracts	00	12	00
Chapters in books	00	02	00
Books	00	00	00

PATIENT CARE

Item	2022–2023	2023–2024	2024–2025
OPD consultations	34,656	53,528	63,368
Special clinic consultations	347	527	760
Patients provided rehabilitation services	11,603	18,324	13,530
Total inpatient admissions	1,493	2,347	4,239
Laboratory Investigations	-	-	39,724

AWARDS, HONOURS AND SIGNIFICANT EVENTS

For individual faculty members

Dr. Prasun Chatterjee awarded with Fellow of Royal College of Physicians of Edinburgh {FRCP (Edin)}

VISITING SCIENTIST (none)

9.16 Hematology

Professor and Head

Manoranjan Mahapatra

Professor

Tulika Seth

Associate Professors

Rishi Dhawan, Jasmita Dass, Mukul Aggarwal, Ganesh Kumar V, Pradeep Kumar

Assistant Professor

Richa Chauhan

Scientist II

Suman Lata

Scientist I

Ravi Ranjan, Ravi Kumar

HIGHLIGHTS

- The department of Hematology is a composite department which provides both **Clinical Hematology** and **Haemato-Pathology** services to the institute.
  - **Clinical Hematology** services include comprehensive management for patients with benign and malignant hematological illnesses. The department runs specialized outpatient clinics for patients with these illnesses. The department has been performing autologous and allogeneic hematopoietic stem cell transplantation (HCT), including haploidentical donor HCT, for various benign and hematological illnesses like aplastic anemia, thalassemia, myeloma, lymphomas, leukemias, and myelodysplastic syndromes.
  - **Haemato-Pathology** provides state-of-the-art evaluation of blood and bone marrow diseases. Expert hematopathology services offered by the department include bone marrow examination including immunohistochemistry and cytochemistry; flowcytometry; molecular diagnostics; specialized hemolytic and coagulation tests.
- The ISHTM-AIIMS external quality assessment program for hemogram, conducted by Department of Hematology, was accredited for further two years as PT provider by NABL. More than 6000 laboratories took part in this program.
- Department of Hematology continued to be regional training Centre for International Society of Hemostasis and Thrombosis in collaboration with the Institute of Experimental Hematology and Transfusion Medicine, University Clinic Bonn.

EDUCATION

- The department conducts **DM (Clinical Haematology), DM (Haematopathology)** and **Ph.D. programs** in the field of Haematology. The academic program includes regular seminars, guest lectures, symposia, micro-teaching and case discussions.
- The faculty is involved in theory and practical classes for MBBS students in the subjects of Pathology, Hematology and Medicine. Students of MD (Pathology) are trained in Haematology laboratory. Students from MD (Pediatrics), MD (Medicine), MD (Geriatric Medicine), MD (Emergency Medicine) and MD (Transfusion Medicine) as well as DM (Pediatric Oncology) and DM (Infectious Diseases) come for training and for case discussion in the department.
- The department provides short term training for visiting doctors, healthcare professionals and MSc students interested in the field of Haematology.

CMEs/Workshops/Symposia/National and International Conference

1. National Hematology Update: XIII, 1-2 February 2025, AIIMS, New Delhi
2. 5th AIIMS Hematology Alumni Meeting, 31 January 2025, AIIMS, New Delhi
3. Four parallel workshops during NHU XIII, 31 January 2025, AIIMS, New Delhi
4. Workshop on ISHBT-EQAP program, 31 January 2025, AIIMS, New Delhi
5. Session on Benign Haematology during MPAICON 2024, 6-10 December 2024, AIIMS, New Delhi
6. Annual Conference of Delhi Society of Haematology, 1 September 2024, New Delhi

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 200

M Mahapatra: 17	**Tulika Seth: 65**
Rishi Dhawan: 2	**Jasmita Dass: 33**
Mukul Aggarwal: 62	**Ganesh Kumar V: 4**
Pradeep Kumar: 11	**Richa Chauhan: 6**

M Mahapatra

1. Keynote address on SCD elimination strategies, National workshop on sickle cell and thalassemia elimination: Best practices & Scalable Strategies, 11-12 March 2025, Bhubaneswar
2. High risk setting for SCD on day-to-day practice, National workshop on sickle cell and thalassemia elimination: Best practices & Scalable Strategies, 11-12 March 2025, Bhubaneswar
3. Challenges and Problems in management of aplastic anemia in India, 9th Annual conference of Bengal Society of Hematology (BeSHCON 2025), 14-15, February 2025, Kolkata
4. Surgery in SCD: How to make it safe?, ISHBT workshop on SCD, 8-9, February 2025, Kolkata
5. Approach to a 50-year-old with Lymphadenopathy, 80th Annual Conference of Association of Physicians of India (APICON 2025), 24-25 January 2025, Kolkata
6. Inaugural address on challenges in SCD elimination in India, National Training of Trainers on SCD, 21-22 January 2025, Delhi
7. Moderator for improving awareness generation in improving health condition of SCD patients, National Tribal Health Conclave 2025, 20 January 2025, Delhi
8. Prioritizing management of Aplastic Anemia with ACE therapy, HAEMATOCON 2024, 7-10 November 2024, Nagpur
9. Inherited Bone marrow Failure in a child, Mid-term Hematology conference (KASHCON 2024), 26-27 October 2024, Srinagar
10. Eosinophilia: Can it give Nightmares, Northeastern chapter of Hematology (NEHCON 2024), 18-20 October 2024, Kaziranga
11. Pulmonary thromboembolism as an initial presentation of Acute Promyelocytic Leukemia, Annual conference of American college of Chest physicians (CHEST 2024), 6-9 October 2024, Boston, USA
12. Approach to a Patient with pancytopenia, 30th Annual conference of Indian Academy of Clinical medicine (IACMCON-2024), 28-29 September 2024, Udaipur
13. Approach to pancytopenia, 14th Annual conference of Odisha Hematology (ODHECON-2024), 13-15 September 2024, Cuttack
14. Acquired Hemophilia: Challenges in management, National Coagulation Conclave-2024, 21-22 June 2024, Kolkata
15. Introduction to SCD and its challenges in India, CME on awareness of Sickle cell disease (SCD), 19 June 2024, Delhi
16. Aplastic Anemia: Management Strategies, 4th Annual conference of Cochin Hematology Group (CHG), 2 June 2024, Thrissur

17. Acute Myeloid leukemia: How to treat in 2024, 8th Annual conference of Eastern Hematology Group (EHG), 12-14 April 2024, Raipur

Dr Tulika Seth

1. Anemia- from theory to practice, NIS, Delhi chapter, 6 April 2024, Virtual
2. Panel discussion Haplo- BMT, RAH 2024, 7 April 2024, New Delhi
3. Hemophilia A management: now and next, NHM Gujarat, 12 April 2024, Virtual
4. Moderator discussion: Anemia interesting cases, with Fr Nitin Shah, Pragmatic paediatrics from pioneers, 12 April 2024, Virtual
5. Case discussion CML with Dr G Rosti, iCMLF, 24 April 2024, Virtual
6. Panel discussion, 3rd Edition Haemophilia Forum 2024,Equitable Access for all, Voice of health care, 17 April 2024, Virtual
7. DISABILITY TRAINING for blood disorders to nodal officers North India,Designated as a national trainer designed training resource material, Department of Social Justice and empowerment,and NHM -, 25 April 2024, New Delhi
8. "Prevention and treatment of bleeds in Hemophilia: What is new in Indian context", UPHGCON-2024, 27 April 2024, Lucknow
9. Hobbies and habits for work life balance, Women oncologist forum, 4 May 2024, New Delhi
10. Panelist case-based discussion on difficult scenarios, Treating thalassemia in India: setting standards of care, 8 May 2024, Virtual
11. Case discussion – diagnosis and management of Hodgkin's lymphoma, NBEMS medical oncology webinar, 8 May 2024, Virtual
12. Panelist,Panel discussion- bridging the gaps in care and cure for TDT: Improving accessibility and affordability. (Patient and doctor forum), Transforming care and cure for thalassemia by leveraging the potential of genomics and bone marrow transplant, 10 May 2024, New Delhi
13. Genetic counselling, carrier assessment and prenatal testing, Haemophilia patient assistance program, 11 May 2024, AIIMS, New Delhi
14. Panelist- optimal Haemophilia care in India, Hemophilia conclave, 17 May 2024, New Delhi
15. Factor X deficiency and management, Hemophilia conclave, 17 May 2024, New Delhi
16. APCC in surgical management of Haemophilia, Hemophilia conclave, 17 May 2024, New Delhi
17. Moderator Panel discussion treatment aplastic anemia, Revisiting Hematology, 19 May 2024, New Delhi
18. Current scenario of therapy for PNH, Hematology Conclave 2024 (Update from EBMT-2024 Glasgow), 2 June 2024, New Delhi
19. Overview of current therapy in Hemophilia, Hematology update, 9 June 2024, Hyderabad
20. Case based management of ITP, Hematology update, 9 June 2024, Hyderabad
21. Changing scenario of Sickle cell in India, National cancer and health foundation, 15 June 2024, Virtual
22. Diagnosis and monitoring of sickle cell disease in Indian context, PHO midterm CME IAP, 14 June 2024, Nagpur
23. Thalassemia packages, National health authority,Capacity building on ABDM & PMJAY, 19 July 2024, Hybrid New Delhi
24. , Extended half-life products in Hemophilia care, ESI Basaidarapur, 23 July 2024, New Delhi
25. Haplo-transplant for hemoglobinopathies, MGM medical college. Celebration of 100 BMT, 25 July 2024, Indore
26. New disability guidelines for Hemophilia, IHC VIII, 29 July 2024, New Delhi
27. Update on Haemophilia case-based discussion, Hematology foundation Bihar, Annual conference, 11 August 2024, Patna

28. Session moderator: Thalassemia carrier state and implications in pregnancy - Detection of iron deficiency in pregnancy, Crosstalk between Hematology and Gynecology on important Hematologic issues, 28 June 2024, Virtual
29. Thrombophilia in pregnancy and recurrent pregnancy loss,Speaker Dr Mukul,Moderators: Dr Tulika Seth,Dr Basab Mukherjee (VP FOGSI), Crosstalk between Hematology and Gynecology on important Hematologic issues, 18 July 2024, Virtual
30. Hematopoietic transplantation- increasing the donor pool, Regional Workshop on advancing organ transplantation in SEAR, 19 August 2024, New Delhi
31. Anticoagulation therapy in pregnancy: management and monitoring,Speaker Dr Chandrakala S,Moderators: Dr Tulika Seth,Dr Basab Mukherjee (VP FOGSI), Crosstalk between Hematology and Gynecology on important Hematologic issues, 22 August 2024, Virtual
32. Thrombocytopenia in pregnancy,Speaker Dr Prantar Chakravarti,Moderators: Dr Tulika Seth,Dr Basab Mukherjee (VP FOGSI), Crosstalk between Hematology and Gynecology on important Hematologic issues, 26 September 2024, Virtual
33. VTE diagnosis and risk stratification, CCVTE- unlocking the future of VTE management, 21 August 2024, Virtual
34. Moderator and summary of VTE- epidemiology, risk, diagnosis, prophylaxis, treatment and special group therapy and stewardship, CCVTE- unlocking the future of VTE management, 23 August, 2024, Virtual
35. Palliative care Hematology conditions Advanced Certificate Course in Pediatric Pain and Palliative Care Indian Academy of Pediatrics (Pain and Palliative Care Chapter) 24 August, 2024, Virtual
36. Moderator case-based discussion Hodgkin's lymphoma, 4th international cancer summit, 31 August 2024, New Delhi
37. Sickle cell anemia: genetic modifiers and their role in severity- panel discussion, ICMR, 6 September 2024, Virtual
38. Sickle cell disease, PGI-Noida Web series on education for Hemoglobinopathies, 10 September 2024, Virtual
39. Under detection of bleeding in India- current scenario, NHCM, 5 September 2024, Bengaluru
40. Organized Comprehensive care Hemophilia (CCH) workshop with Dr Jameela Sathar (Malaysia), AHAD-AP,(association for hemophilia and allied disorders- Asia pacific), 5 September 2024, Bengaluru
41. Panel discussion Non-factor CPWHI, AHAD-AP & National hemostasis update NHU, 6 September 2024, Bengaluru
42. Panel discussion Role of APCC in CPWHI, AHAD-AP & National hemostasis update NHU, 6 September 2024, Bengaluru
43. Recurrent Pseudo tumors in Hemophilia – evidence-based management, AHAD-AP & National hemostasis update NHU, 7 September 2024, Bengaluru
44. Anemia and its far-reaching impact, GHS conclave organized by Nutrition society of India (NSI), 25 September 2024, New Delhi
45. Vaccines in sickle cell disease maintenance, INTERNATIONAL CONFERENCE ON SICKLE CELL DISEASE, 6 October 2024, Chanderpur, Maharashtra
46. Adults need vaccines too, DD news, 10 October 2024, Virtual
47. Situation analysis of thalassemia epidemiology access to care and SOC management in India, Webinar series, advances in thalassemia care, TIF -PHO, 11 October 2024, Virtual
48. Sickle cell clinical manifestations and complications, Nominated as national trainer for sickle cell disease by NHM, Sickle cell Training of State level Trainers NHM, MP, 23 October 2024, Bhopal
49. Amyloidosis: Technical discussion – Q and A, Unveiling amyloidosis: bridging knowledge and patient care, 26 October 2024, Virtual
50. Epidemiology of Thalassemias Country perspective- India, Kick off -The Indian Subcontinent network for Hemoglobin disorders Indian subcontinent network for Hemoglobin disorders (ISNHD) – TIF, 8 November 2024, Virtual

51. Peripheral T Cell lymphoma: current practice and management, Advances in management of T Cell lymphomas, 16 November 2024, Virtual
52. Thalassemia management: current scenario and way forward, Thalassemia conclave: challenges and solutions, 20 November 2024, New Delhi
53. An overview of PNH, Mumbai Hematology group, update on PNH: from challenges to treatment triumphs, 23 November 2024, Virtual
54. Panel discussion – Panelist- Haemato-oncology omics: what does the future hold?, Precision Haemato-oncology symposium, 28 November 2024, New Delhi
55. Drug development chronicle of Iptacopan in management of PNH, IPC-IPSCON 2024, 28 November 2024, New Delhi
56. Disability due to bleeding disorders- case discussion of gaps in care of PWHI, Disability day, 3 December 2024, Virtual
57. Kinetics of Blast Clearance in Cerebrospinal Fluid (CSF) Detected on Flow Cytometric Immunophenotyping (FCM),but Negative by Cytopathology in Newly Diagnosed Acute Lymphoblastic Leukemia Patients, American Society of Hematology 66th annual meeting San Diego, USA, 9 December 2024, San Diego USA
58. Thrombosis meeting, VTE group, 19 January, Mumbai
59. Counselling of patients/carriers with SCD enabling them to lead a balanced life, National training of trainers MoTa, 22 January, New Delhi
60. Deccan hematolink, Approach to hemolytic anemia, 22 February 2025, Hyderabad
61. Thalassemia conclave, Access to essential care: ensuring availability, adequacy and quality, 25 February 2025, New Delhi
62. Newer therapies in sickle cell disease, NHM Odisha and Dept SCSTRTI, Odisha, 11 March 2025, Bhubaneshwar
63. Cost effectiveness of Hemophilia care and experience of Haemophilia care from AIIMS, New Delhi, CME- Goa medical college – dept Medicine, Pediatrics and Medical education, 21 March 2025, Panaji, Goa
64. Ponatinib in second line CML, Hematology express, 22 March 2025, Jaipur
65. MPN Ruxolitinib titration, Hematology express, 23 March 2025, Jaipur

Rishi Dhawan

1. Refractory AML-Role of HSCT Conditioning, 5th Annual Conference of ISBMT, 04 May 2024, Bengaluru
2. Aplastic Anemia Management, Haematocon 2024, 08 November 2024, Nagpur

Jasmita Dass

1. Case studies in acute leukemia, HemaQuest: Navigating Hematology's Frontiers, Together! 8th Annual Conference of Eastern Hematology Group & 1st Annual Conference of Chhattisgarh Hematology Association, 12 April 2024, Raipur, Chhattisgarh
2. Nitty gritty of detecting M protein in diagnosis and follow up, HemaQuest: Navigating Hematology's Frontiers, Together! 8th Annual Conference of Eastern Hematology Group & 1st Annual Conference of Chhattisgarh Hematology Association, 13 April 2024, Raipur, Chhattisgarh
3. Oral paper judge, HemaQuest: Navigating Hematology's Frontiers, Together! 8th Annual Conference of Eastern Hematology Group & 1st Annual Conference of Chhattisgarh Hematology Association, 14 April 2024, Raipur, Chhattisgarh
4. Panel design, *UPHGCON Workshop topic: Flowcytometry (Leukemia and Lymphoma)*, 26 April 2025, Lucknow, India
5. T-cell lymphomas, *UPHGCON Workshop topic: Flowcytometry (Leukemia and Lymphoma),* April 2025, Lucknow, India
6. Flowcytometry Approach to CLPD's: Case based, *UPHGCON Workshop topic: Flowcytometry (Leukemia and Lymphoma),* 27 April 2025, Lucknow, India

7. Flow cytometry in T - CLPDs, FACSMaster leukemia/lymphoma immunophenotyping, 21 May 2025, Delhi, India
8. Practical experience with Lyric, *FACS Lyric user group meeting*, 04 July 2025, Mumbai, Maharashtra
9. Updates in the diagnosis of LA, 7th Coagulation masterclass, 26 September 2024, Vellore, Tamil Nadu
10. Classification and molecular risk stratification of MDS, ISMPO-CON 2024, 18 Octuber 2024, Delhi, India
11. Acute leukemia immunophenotyping in workshop on flow cytometry for the diagnosis of Acute and chronic leukemias, Haematocon 2024, 07 November 2024, Nagpur, India
12. AML Diagnosis using WHO 2022 in the Indian Settings, Haematocon 2024, 08 November 2024, Nagpur, India
13. Post doctoral quiz master, Haematocon 2024, 09 November 2024, Nagpur, India
14. NHQ 2024 Quiz master, Haematocon 2024, 10 November 2024, Nagpur, India
15. Panel designing: What should be included in my panel for leukemia and lymphomas, APCON 2024, 11 December 2024, Cuttack, Orissa
16. Approach to T-cell lymphomas, APCON 2024, 11 December 2024, Cuttack, Orissa
17. Troubleshooting for cell counters, APCON 2024, 15 December 2024, Cuttack, Orissa
18. Quiz master for the National Myeloma quiz, IMAGe annual congress, 11 January 2025, Kolkata, West Bengal
19. Fundamentals of T-ALL MRD by flow cytometry and case studies, MRD in Acute leukemia and myeloma workshop, 17 January 2025, Vellore, India
20. Panel discussion on AML MRD, MRD in Acute leukemia and myeloma workshop, 19 January 2025, Vellore, India
21. Diagnostic approach to SCD in India at Field and Institutional level, Updates on Point-of-Care testing for SCD, National Trainers workshop in Sickle cell disease organized by the ministry of tribal affairs, 21 January 2025, Delhi, India
22. Learning through interesting cases (Panel discussion), National Hematology Update-XIII, 01 February 2025, Delhi, India
23. Panel discussion on WHO classification, Raktvigyan, 09 February 2025, Patna, Bihar
24. CCT-when and what test to order, Coagulation in Trauma, 08 March 2025, Lucknow, India
25. Clot waveform analysis, Advanced coagulation tests, 08 March 2025, Lucknow, India
26. Approach to T-ALL MRD and live demo of T-ALL cases, Measurable residual disease in Acute Lymphoblastic Leukemia, 9 January 2024, Puducherry
27. When you acquire a malady, 1st H2H Coagulometer Conclave with Dr. Steve Kitchens, 2 March 2024, Vellore
28. A few interesting and challenging cases of suspected APS, 1st H2H Coagulometer Conclave with Dr. Steve Kitchens, 1 March 2024, Vellore
29. FCM in T- cell Lymphomas - Case based studies, 25th INDO-US FCM Workshop - Flow cytometry and its applications in Clinical Diagnostics, 3 February 2024, Lucknow
30. Panel Designing - Details of Antibodies and Fluorochrome, 25th INDO-US FCM Workshop - Flow cytometry and its applications in Clinical Diagnostics, 2 February 2025, Lucknow
31. Clonality assays for B and T cells, 25th INDO-US FCM Workshop - Flow cytometry and its applications in Clinical Diagnostics, 2 February 2025, Lucknow
32. Flowcytometric case studies of ALL, Indian Leukemia Academy Gurukul, 21 January 2025, Faridabad
33. Approach to B-ALL MRD, Measurable residual disease in Acute Lymphoblastic Leukemia, 8 January 2025, Puducherry

Mukul Aggarwal

1. Monoclonal Gammopathy-When is it significant?, ISHBT masterclass, 24 April 2024, Virtual
2. Time limited and MRD guided treatment of CLL, Uttar Pradesh Hematology Group (UPHGCON-2024), 27 – 28 April 2024, Lucknow, UP

3. Panel discussion- Multiple myeloma: maintenance therapy in 2024, Mumbai Hematology group, 5 May 2024, Virtual
4. Panel discussion: Thalassemia and you: From Policies to Practice, SFM World Thalassemia Day Webinar, 8 May 2024, Virtual
5. Case discussion: Persistent Battles: Managing Steroid-Refractory PRCA and CMV in Post-Transplant Cytopenia in AML, CGR in BMT, 16 May 2024, Virtual
6. Treatment strategies in low-risk MDS, Oncology Conundrums: Navigating Complex Clinical Scenarios. 17–19 May 2024, N Delhi
7. Choice of Conditioning regimens in Haplo- BMT in AML Hematology Conclave 2024, 1–2 June 2024, N Delhi
8. Panelist: Case-Based Panel Discussion - Salvage Regimen in ALL Hematology Conclave 2024, 1 – 2 June 2024, N Delhi
9. Chairperson: Session on GVHD, Hematology Conclave 2024, 1 – 2 June 2024, N Delhi
10. Masterclass in T ALL, 4 June 2024, N Delhi
11. Panelist: Future of CAR-T Cell Therapy, Onco Connect 2024, 15-16 June 2024, Delhi
12. Panelist, Sickle Cell Disease Landscape in India, 18 June 2024, Virtual
13. Thrombophilia and recurrent pregnancy loss, FOGSI: "Expert Crosstalk Series, 18 July 2024, Virtual
14. Public Health Laboratories, NIHFW, 24 July 2024, Delhi
15. Panel discussion- How do I risk stratifying myeloma in 2024?, Mumbai Hematology group, 27 July 2024, Virtual
16. Hematology Passport in APMU, National Dope testing lab, 8 August 2024, Delhi
17. Non-Factor therapies, Northeast Hemophilia Conclave, 10-11 August 2024, Agartala
18. Pediatric AML, Hematology Conclave, Annual conference of Delhi Hematology Consortium, 17-18 August 2024, Delhi
19. Practical Approach to Management of Hemophilia A & B Patients.Department of Pediatrics, DDU hospital, 22 August 2024, Delhi
20. Inhibitor Management in Hemophilia: Rapid Bleed Control with rFVIIa. Learning from Real-Life Cases: rFVIIa Use in Inhibitor Patients, Department of Pediatrics, DDU hospital, 22 August 2024, Delhi
21. Quiz- quiz master, State round of National Hematology, 24 August 2024, Jodhpur
22. Panel discussion- hereditary erythrocytosis, Mumbai Hematology group, 25 August 2024, Virtual
23. Panel discussion- Hereditary Hemorrhagic Telangiectasia: advances in therapies, Mumbai Hematology group, 31 August 2024, Virtual
24. Diagnosis and management of VWD, National Hemophilia Meeting, 5-7 September 2024, Bengaluru
25. Quiz- quiz master, Young Hematology Orientation Program, 14 September 2024, Lucknow
26. DLBCL, RGCI, 23 September 2024, Webinar
27. Laboratory Organization and Management, Training Course on "Epidemic Preparedness and Management, 24 September 2024, Delhi
28. Cancer associated thrombosis.Mid-term CME of Mumbai Hematology Group, 27-29 September 2024, Mumbai
29. Panel discussion:Mid-term CME of Mumbai Hematology Group, 27-29 September 2024, Mumbai
30. Low-risk MDS Mid-term CME of Mumbai Hematology Group, 27-29 September 2024, Mumbai
31. Chairperson: Hodgkin Lymphoma Mid-term CME of Mumbai Hematology Group, 27-29 September 2024, Mumbai
32. Chairperson: T cell lymphoma Mid-term CME of Mumbai Hematology Group, 27-29 September 2024, Mumbai
33. Checkpoint Inhibitors Based therapy in HL, 8th Annual IBCC & Precision Oncology 2024, 4 October 2024, Jaipur
34. Practical Approach to Management of Hemophilia A & B Patients.Department of Pediatrics and orthopedics, 10 October 2024, Faridabad

35. Inhibitor Management in Hemophilia: Rapid Bleed Control with rFVIIa. Learning from Real-Life Cases: rFVIIa Use in Inhibitor Patients, Department of Pediatrics and orthopedics, 10 October 2024, Faridabad
36. Surgical interventions in patients with platelet function disorders. IAHAD 29th Webinar Series, 11 October 2024, Webinar
37. Management of Aplastic Anaemia not fit for BMT. BMT in Aplastic Anaemia, Annual conference NEHCON, 18-20 October 2024, Kaziranga
38. Newer Management Strategies in LR-MDSHaematocon 2024, 8-10 November 2024, Nagpur
39. Quiz master- National Hematology quiz for PG Haematocon 2024, 8-10 November 2024, Nagpur
40. Quiz master- National Hematology quiz for PGT/DM Haematocon 2024, 8-10 November 2024, Nagpur
41. Session on Hemophiliac Chairperson Haematocon 2024, 8-10 November 2024, Nagpur
42. Role of critical care medicine in hematology, Haematocon 2024, 8-10 November 2024, Nagpur
43. Panel discussion- Advances in the management of DLBCL, Mumbai Hematology group, 24 November 2024, Virtual
44. Interactions of Cu and Fe in anemia, 29 November 2024-1 December 2024, Delhi
45. Practical Approach to Management of Hemophilia A & B Patients. Department of Pediatrics and orthopedics, 5 December 2024, Palwal
46. Inhibitor Management in Hemophilia: Rapid Bleed Control with rFVIIa. Learning from Real-Life Cases: rFVIIa Use in Inhibitor Patients, Department of Pediatrics and orthopedics, 5 December 2024, Palwal
47. Overview of Rare Bleeding Disorders, Hemosphere – Best of 2024, 14-14 December 2024, Bengaluru
48. Surgery in Patients with SCD- How to handle?, National Trainers workshop in Sickle cell disease organized by the ministry of tribal affairs, 21 January 2025, Delhi, India
49. Hematology Passport in APMU, National Dope testing lab, 29-30 January 2025, Delhi
50. Case Discussion - Learning through interesting case NHU XIII, 31 January – 2 February 2025, Delhi
51. Workshop on central line insertion NHU XIII, 31 January – 2 February 2025, Delhi
52. Optimizing PNH treatment: Navigating challenges and triumphs, BESHCON, 14-16 February 2025, Kolkata
53. Approach to Peripheral smear, OPGGT, 13 March 2025, Virtual
54. Panel discussion- Myelodysplastic syndrome - an update, Mumbai Hematology group, 16 March 2025, Virtual
55. AML- panel discussion, RGCI, 19 March 2025, Virtual
56. Panel Discussion: Ask the STAMP Experts Hematology Express 2025 (ESSENCE FROM ASH 2024), 22-23 March 2025, Jaipur
57. Panel Discussion on: CAR T Cell Therapy -New Kid on The Block How Far we Have Come Hematology Express 2025 (ESSENCE FROM ASH 2024), 22-23 March 2025, Jaipur
58. Single-agent mosunetuzumab produces high complete response rates in patients with newly diagnosed follicular lymphoma: Primary analysis of the MITHIC-FL1 trialHematology Express 2025 (ESSENCE FROM ASH 2024), 22-23 March 2025, Jaipur
59. Panel Discussion based on lymphoma abstracts, Hematology Express 2025 (ESSENCE FROM ASH 2024), 22-23 March 2025, Jaipur
60. Moderator – panel discussion, STEMconnect - The Role of Letermovir, 26 March 2025, Delhi
61. Evolving landscape and role of Gilteritinib FLT3+ RR AML, Onco-Pulse 2025, 29-30 March 2025, Delhi
62. Panel discussion- ABC of Molecular Hematologyfor the Clinicians, Mumbai Hematology group, 30 March 2025, Virtual

Ganesh Kumar V

1. Approach to B-lymphomas by flow cytometry, APCON 2024, 11 December 2024, Bhubaneshwar, Orissa
2. Laboratory evaluation of IBMFS in the NGS era. What tests to order?, Haematocon 2024, 10 November 2024, Nagpur

3. Immunophenotypic approach to B-CLPDs, TCS2024, 11 October 2024, Mumbai
4. Peripheral blood smear examination with Romanowsky stains, 11th Basic Hematopathology Course, 21 June 2024, Mumbai

Pradeep Kumar

1. Ph positive &Ph like ALL - management, RAH2024 (Recent Advances in Hematology 2024), 6 – 7 April 2024, N Delhi
2. Update on low-risk MDS, Uttar Pradesh Hematology Group (UPHGCON-2024), 27 – 28 April 2024, Lucknow, UP
3. Treatment strategies in low-risk MDS, Oncology Conundrums: Navigating Complex Clinical Scenarios. 17 – 19 May 2024, N Delhi
4. Case-Based Panel Discussion on Salvage regimen in RR Hodgkin lymphoma, Hematology Conclave 2024, 1 – 2 June 2024, N Delhi
5. CMPN Management- What Every physician should know, Annual conference of Hematology foundation of Bihar "RAKTAVIGYAN", 10 – 11 August 2024, Patna, Bihar
6. Panel Discussion: Optimizing outcomes in newly used SAA, Hematology Conclave, 17 – 18 August 2024, N Delhi
7. Panel Discussion: Managing High Risk CLL, Hematology Conclave, 17 – 18 August 2024, N Delhi
8. Panel Discussion: ALL & BMT, Essence of ASH, 4 January 2025, N Delhi
9. Panel discussion: "Distinguishing constitutional from acquired bone marrow failure", 48th Annual conference of MHG, 24 – 26 January 2025, Mumbai, Maharashtra
10. When does low-risk MDS require aggressive treatment, 48th Annual conference of MHG, 24 – 26 January 2025, Mumbai, Maharashtra
11. Case Discussion, NHU XIII, 31 January – 2 February 2025, N Delhi

Dr Richa Chauhan

1. "Factor assay", Sixth Hematology Update, 10 February 2024, Jodhpur
2. Lab approach to a case of cryoglobulinemia, Hematocon 2024, 9 November 2024, Nagpur
3. Panel discussion on Choosing wisely - genetic testing tools in work up of hematological malignancy, Hematocon 2024, 7 November 2024, Nagpur
4. Post doctoral National Hematology Quiz for Central Zone along with Drs Aditi (VMMC & Safdarjung) and Tribikram (RGCI), Zonal Round for Hematocon 2024 NHQ, 19 October 2024, New Delhi
5. Session XII: Learning through interesting cases (Panel discussion), National Hematology Update XIII, 1 February 2024, New Delhi
6. Update on diagnosis of Myelodysplastic neoplasm- Practical issues, Sixth Hematology Update, 11 February 2024, Jodhpur

List of oral papers/posters presented

1. Kannan M, Maharana S, Roy CL, Siddiqui F, Ranjan R, Fareed J, Mahapatra M, Saxena R, RIP3-Mediated Programmed Cell Necrosis in Platelets of Immune Thrombocytopenia Purpura, ASH 2024, 7-10 December 2024, San Diego, Ca, USA
2. Kannan M, Roy CL, Siddiqui F, Lacobelli M, Ranjan R, Mahapatra M, Saxena R, Fareed J. The Influence of Coagulation Factor Biosimilars in Shortening the Activated Partial Thromboplastin Time in Patients with Hemophilia a, ASH 2024, 7-10, December 2024, San Diego, Ca, USA
3. Chi-Joan How, Pavlina Chrysafi, Amica Ko, Rebecca Zon, Atefeh Ghorbanzadeh, Dahniel L Sastow, Maria Georgen, Abi Prabhu, Vrushali Pachpande, Sai Sudha Valisekka, Mukul Agarwal, Amiya Ranjan Nayak, May Anne Cheong, Alessandra Iurlo, Daniele Cattaneo, ThitaChiasakul, Rishi Dhawan, Kristen M. Sanfilippo, Gabriela S. Hobbs, Damon E. Houghton, Joan Beckman, Lisa Baumann Kreuziger, Douglas Tremblay, Rushad Patell, Mandy N. Lauw.. Anticoagulation Management of Splanchnic Vein Thrombosis in Myeloproliferative

Neoplasms: A Global Abdominal/Splanchnic Thrombosis Retrospective Observational Study in 486 MPN Patients (GASTRO-MPN). ASH 2024, 7-10 December 2024, San Diego, Ca, USA

4. Tulika Seth, Kavya Keerthana, Jasmita Dass, Mukul Agarwal, Deepam Pushpam, Saumyaranjan Mallick. Kinetics of Blast Clearance in Cerebrospinal Fluid (CSF) Detected on Flow Cytometric Immunophenotyping (FCM), but Negative By Cytopathology in Newly Diagnosed Acute Lymphoblastic Leukemia Patients, ASH 2024, 7-10 December 2024, San Diego, Ca, USA
5. Nayak AR, Mahapatra M, Seth T, Kumar P, Dhawan R, Dass J, Kumar G, Chauhan R, Aggarwal M. Feasibility of High/Intermediate Dose Ara-C consolidation following Azacytidine-Venetoclax Induction Therapy in Previously Untreated Adult Acute Myeloid Leukemia Patients Unfit for Intensive Chemotherapy—A Pilot Study. HAEMATOCON 2024, 7-10 November 2024, Nagpur
6. Singh S, Hagelueken G, Ugurlar D, Urs SUR, Sharma A, Mahapatra M, Drepper F, Imhof D, Huesgen PF, Oldenburg J, Geyer M, Biswas A. Mechanistic Detailing of Coagulation Factor XIII Structure, HAEMATOCON 2024, 7-10 November 2024, Nagpur
7. Parikh H, Dass J, Ganesh KV, Gupta R, Acahrya S, Aggarwal M, Kumar P, Chauhan R, Dhawan R, Bharti J, Seth T, Mahapatra M, Kumar S, Singh N. Antiphosphatidylserine/ Prothrombin (APS/PT) IgG: A Surrogate Marker for Lupus Anticoagulant?, HAEMATOCON 2024, 7-10 November 2024, Nagpur
8. Nayak AR, Kumar P, Dhawan R, Kumar GV, Dass J, Chauhan R, Mahapatra M, Seth T, Aggarwal M Chemotherapy, . Feasibility of Azacitidine and Venetoclax Followed by High/Intermediate Dose Cytarabine (HIDAC/IDAC) Consolidation in Previously Untreated Acute Myeloid Leukemia Patients Unfit for Intensive, HAEMATOCON 2024, 7-10 November 2024, Nagpur
9. Nayak AR, Dass J, Kumar GV, Chauhan R, Kumar P, Dhawan R, Seth T, Mahapatra M, Trpathi S, Parikh H, Gudapati P, Aggarwal M. Infantile Pure Red Cell Aplasia Secondary to Deficiency of ADA2 (Adenosine Deaminase 2)—Time to Think Beyond Diamond Blackfan Anemia, HAEMATOCON 2024, 7-10 November 2024, Nagpur
10. Joon J, Balraam V KV, Parikh H, dass J, Chauhan R, Kumar GV, Aggarwal M, Mahapatra M. Basophilic Blast Phase Transformation of P230 Type BCR: ABL1 Transcript Chronic Myeloid Leukemia—An Exceedingly Rare Complication of a Relatively Indolent Entity, HAEMATOCON 2024, 7-10 November 2024, Nagpur
11. K V Vinu Balraam, Himil Parikh, Jasmita Dass, Mehak Trehan, Richa Chauhan, Mukul Aggarwal, Ganesh KV. Catch-22 in T/myeloid Mixed Phenotypic Acute Leukemia— Molecular Studies as a Conundrum of the Missing Link, HAEMATOCON 2024, 7-10 November 2024, Nagpur
12. Kumar GV, Dass J, Aggarwal M, Kumar P, Seth T, Goel H, Tanwar P, Dhawan R, Mahapatra M. Failure, Myeloid Neoplasms with Germline Predisposition Are Not Uncommon Among Cohorts of Patients with Bone Marrow, SOHO 2024, 4-7 September 2024, Houston, TX, USA
13. Mahapatra M, Goswami P, Mohapatra S, Dhawan R, Aggarwal M, Kumar P, Das J, Kumar GV, Chauhan R, Seth T. Electrochemical DNA Biosensor for Detection of Microbial Infections and Antibiotic Resistance in Patients with Febrile Neutropenia in Hematological Malignancies, SOHO 2024, 4-7 September 2024, Houston, TX, USA
14. Palatty R, Seth T, Aggarwal M, Dhawan R, Mahapatra M, Kumar P, Dass J, Kumar GV. Central Nervous System Hemorrhage in Acute Promyelocytic Leukemia – a Tertiary Center Experience. SOHO 2024, 4-7 September 2024, Houston, TX, USA
15. Nayak AR, Mahapatra M, Seth T, Dhawan R, Kumar P, Dass J, Kumar GV, Aggarwal M. Feasibility of Azacitidine and Venetoclax Followed by High/Intermediate Dose Cytarabine (HIDAC/IDAC) Consolidation in Previously Untreated Acute Myeloid Leukemia Patients Unfit for Intensive Chemotherapy in a Resource Constraint Low-Middle Income Country: A Pilot Study, SOHO 2024, 4-7 September 2024, Houston, TX, USA
16. Tripathi S, Balaram V, Nayak AR, Naranje P, Chauhan R, Dass J, Kumar P, Mahapatra M, Aggarwal M. Ischemic Stroke as a Presenting Feature of Promyelocytic Blast Phase in Chronic Myeloid Leukemia – an Uncommon Presentation of an Exceptionally Rare Blastic Transformation of Myeloproliferative Neoplasm, SOHO 2024, 4-7 September 2024, Houston, TX, USA
17. Mahapatra M, Verghese RM, Dhawan R, Das J, Aggarwal M, Kumar P, Kumar GV, Seth T. Immunoparesis in Newly Diagnosed Multiple Myeloma and Its Impact on Clinical Outcome: A Real-World Experience, SOHO 2024, 4-7 September 2024, Houston, TX, USA
18. Tripathi S, Nayak AR, Chauhan R, Kumar GV, Kumar P, Dass J, Dhawan R, Seth T, Mahapatra M, Aggarwal M. Clinicopathological Profile of Patients with Myeloproliferative Neoplasms Presenting with Nonabdominal Vein Thrombotic Events, SOHO 2024, 4-7 September 2024, Houston, TX, USA

19. Ganju N, Panda T, Oberoi G, Aggarwal M, Mahapatra M. AML in Pregnancy: Case Series, SOHO 2024, 4-7 September 2024, Houston, TX, USA
20. Paramasivam Sabitha, Mohini Mendiratta, Sameer Bakhshi, Deepam Pushpam, Prabhat Singh Malik, Akash Kumar Jha, Sachin Khurana, Rishi Dhawan, Mukul Aggarwal and Ranjit Kumar Sahoo. Venetoclax With Chemotherapy for Remission Induction in AML Patients: The Phase Ib/II (RAPID VEN) Study, SOHO 2024, 4-7 September 2024, Houston, TX, USA
21. Parikh H, Dass J, Kumar GV, Gupta R, Acharya S, Aggarwal M, Kumar P, Chauhan R, Dhawan R, Singh N, Bharati J, Seth T, Mahapatra M. Has the time come for anti-PS/PT IgG positivity to replace Lupus anticoagulant testing?, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
22. Tiwari V, Dass J, Aggarwal M, Yadav C, Kumar GV, Tyagi S, Kumar P, Dhawan R, Chauhan R, Palatty R, Seth T, Mahapatra M. Basophil-lineage commitment marker CD203c and ISTH-DIC score ≥6 predicts higher intracranial hemorrhage risk and higher progression to DIC in acute promyelocytic leukemia (APL). ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
23. Dass J, Parikh H, Tiwari V, Acharya S, Kumar GV, Chauhan R, Kumar S, Aggarwal M, Kumar P, Dhawan R, Seth T, Mahapatra M. Harnessing the potential of two APTT reagents with different sensitivities for diagnosis of lupus anticoagulant (LA) and its comparison with DRVVT, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
24. Singh S, Ugurlar D, Hagelueken G, RamarajeUrs S, Sharma A, Mahapatra M, Imhof D, Geyer M, Oldenburg J, Biswas A. Identifying the differences in the structural etiology underlying coagulation Factor XIII mutations based on a 2.68 Å cryo-EM structure of the coagulation Factor XIII-A2B2 complex, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
25. Kannan M, Roy C, Siddiqui F, Lacobeli M, Ranjan R, Behera S, Gopalan N, Mahapatra M, Saxena R, Fareed J. Comparison of Coagulation Factor VIII Biosimilars (Kogenate FS Vs NovoEight) in Altering Prothrombin Time, activated Partial Thromboplastin Time, and levels of Factors VII and VIII in Hemophilia A, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
26. Kannan M, Roy C, Siddiqui F, Lacobeli M, Ranjan R, Behera S, Gopalan N, Mahapatra M, Saxena R, Fareed J. Evaluation of Coagulation Factor VII Biosimilars (AryoSeven Vs NovoSeven) in Modulating Prothrombin Time, activated Partial Thromboplastin Time, and levels of Factors VII and VIII in Hemophilia A, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
27. Sharma A, Singh S, Ranjan R, Ramaraje Urs S, Dass J, Aggarwal M, Kumar GV, Oldenburg J, Biswas A. Mahapatra M. Interpretation, Understanding the burden of clinically actionable yet severe pathogenic variants of F13A1 (FXIII deficiency): From Detection to Variant, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
28. Kannan M, Maharana S, Roy C, Ranjan R, Fareed J, Mahapatra M, Saxena R, Elevated calcium and Depolarized mitochondrial membrane potential of ITP platelets. ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
29. Pandey H, Ranjan R, Dass J, Aggarwal M, Kumar GV, Dhawan R, Kumar P, Seth T, Mahapatra M. Evaluate the role of Factor V Leiden G1691A, Prothrombin G20210A and MTHFR C677T polymorphism on Indian sickle cell disease patients: A tertiary care experience, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand
30. Ranjan R, Sharma A, Pandey H, Chauhan R, Kumar P, Kumar GV, Dass J, Aggarwal M, Dhawan R, Seth T, Mahapatra M. Importance of inherited thrombophilia screening in recurrent pregnancy loss, ISTH 2024 congress, 22-26 June 2024, Bangkok, Thailand

RESEARCH

Funded projects

Ongoing

1. ISHTM-AIIMS External Quality Assurance Program for Hemogram, Dr. M Mahapatra, ISHBT, 2005 onwards, 2005-2025, Rs 80 Lakhs/year (approx.)
2. A Randomized Open-Label, Phase 3 Study to Evaluate Imetelstat (GRN163L) Versus Best Available Therapy (BAT) in Patients with Intermediate-2 or High-risk Myelofibrosis (MF) Refractory to Janus Kinase (JAK)-Inhibitor, Dr. M Mahapatra, Geron Pharma, 5 years, 2021-2026, Rs 4 lakhs/ patient enrolled
3. A phase IIIb multicenter randomized study of tolerability and efficacy of oralasciminib versus nilotinib in patients with newly diagnosed Philadelphia chromosome positive chronic myeloid leukemia in chronic phase. Dr. M Mahapatra, Novartis, 3 years, 2023-2025, Rs 5 lakhs/ patient enrolled

4. A phase 3 randomized double-blind study to assess efficacy and safety of Ianalumab (VAY736) versus placebo in warm autoimmune hemolytic anemia (wAIHA) patients who failed at least one line of treatment (VAYHIA), Dr. M Mahapatra, Novartis, 3 years, 2023-2025, Rs 7 lakhs/ patient enrolled
5. Elucidation of molecular genetics of triple negative myeloproliferative neoplasm, Dr. Seema Tyagi/Dr Suman Lata, DST, 3 years, 2021-2024, Rs 69,50,120
6. A study on Thalassemia Awesome, Screening and Counseling among Young Adult of Delhi and NCR (India), Dr. Seema Tyagi/Dr. Ravi Ranjan, ICMR, 3 years, 2022-2025, Rs 21,65,257
7. Efficacy and safety of concizumab prophylaxis in patients with Hemophilia A and B with Inhibitors. Dr Tulika Seth, Novo-Nordisk Pvt. Ltd. 2020-2025, -
8. A Phase II, open label study of NM8074 in patients with Paroxysmal Nocturnal Hemoglobinuria (PNH), Dr Tulika Seth, NovelMed Therapeutics, 2 years, 2022-2024, -
9. An integrated phosphoproteomic and blood-based miRNA profiling to predict high risk MDS and its progression to AML and to explore the role of inflammation in disease progression Dr T Seth, DHR, 3 years, 2024-2026, Rs 11,64,614
10. Impact of Transplant Conditioning Regimen Intensity on Gut Microbiota Changes in Patients Undergoing Hematopoietic Cell Transplantation, Rishi Dhawan, AIIMS Intramural, 4 years, 2022-2025, Rs Ten Lacs
12. Genome-Wide Association Study in an Indian Cohort of Patients with Acquired Aplastic Anemia, Rishi Dhawan, American Society of Hematology Global Research Award 2021, 3 years, 2022-2024, Rs 1.12 Crores
13 CRISPR Mediated Genetic Correction of Sickle Cell Disease Towards Clinical Trials in a Small Patients Cohort, Rishi Dhawan, Department of Science and Technology, 5 years, 2022-2027, Rs 60 Crores
14. Study of B-cell subsets and NK cell subsets in patients of acquired Aplastic anemia, Dr. Jasmita Dass, AIIMS Early career intramural, 2 years, 2023-2024, Rs 10 lakhs
15. Assessment of hemostatic parameters and platelet function in patients with chronic kidney disease, Dr. Jasmita Dass, Dr. Arun Kumar, AIIMS Interdisciplinary collaborative project grant, 1+ years, Approved September 2024-2026, Rs 20 lakhs
16. To study whether the levels of Tissue factor pathway inhibitor (TFPI) and its polymorphisms influence bleeding severity in moderate and severe Hemophilia A patients. Dr. Mukul Aggarwal, AIIMS Early career intramural, 2 years, 2023-2024, Rs 10 lakhs
17. To assess recombinase polymerase amplification-based diagnosis of sickle cell disease. Dr. Mukul Aggarwal, CSIR, 1 year, 2023-2024, Rs 10 lakhs
18. Evaluate the effect of Dexamethasone vs. prednisolone on ocular toxicity induced by systemic cytarabine arabinoside (Ara-C) in AML patients, Dr. Mukul Aggarwal, AIIMS Intramural Interdepartmental research grant, 3 years, 2023-2026, Rs 20 lakhs
19. Anemia: Exploring the role of vitamin D, essential elements and lifestyle in Indian population. Dr Mukul Aggarwal, ICMR, --, --, --
20. Comparative study of digital droplet polymerase chain reaction (dd-PCR) and quantitative real time polymerase chain reaction (qRT-PCR) for BCR-ABL1 transcript quantitation in chronic myeloid leukemia (CML) patients on tyrosine kinase inhibitor (TKI therapy) and eligible for treatment free remission (TFR), Dr. Ganesh Kumar V, AIIMS Early career intramural, 2 years, 2023-2024, Rs 10 lakhs
21. Structural variations and copy number alterations in adult immune aplastic anemia, Dr Ganesh Kumar V, Aplastic Anemia MDS International Foundation, 2 years, 2025-2027, Rs 51,00,000
22. Assessment of BCL-2 expression in B-Acute lymphoblastic leukemia at diagnosis and after therapy for minimal residual disease assessment, Dr. Pradeep Kumar, AIIMS Early career intramural, 2 years, 2023-2024, Rs 10 lakhs
23. To study the clinico – hematological profile of patients with low – risk myelodysplastic neoplasm having features of systemic inflammation and to examine the occurrence of somatic mutation in UBA – 1 gene in this patient subset, Dr Richa Chauhan, AIIMS early career interdisciplinary, 2 years, 2024-2026, Rs 10 lakhs

Completed

1. Mitigation of clinical phenotype by activated platelets in severe Haemophilia, Dr. M Mahapatra, DBT, 3 years, 2019-2023, Rs 8 lakhs

2. Burden of vaso-occlusive pain crisis: A cross-sectional observational study among patients with sickle cell disease in India (B-VOCAL STUDY), Dr Tulika Seth, Novartis, 3 years, 2021-2023, NIL
3. Phase 4, Multicenter, Prospective, Interventional, Post-Marketing Study in Hemophilia A Patients in India Receiving ADVATE as On-Demand or Prophylaxis Under Standard Clinical practice. Dr Tulika Seth, Takeda, 3 years, 2021-2023, NIL
4. To assess the utility of artificial intelligence and machine learning to predict cancer associated venous thromboembolism and compare it with existing biomarkers and prediction scores, Dr Mukul Aggarwal, ICMR, 1 year, 2022-23, Rs 17.6 Lakhs
5. To Evaluate the effect of Dexamethasone vs prednisolone on ocular toxicity induced by systemic CYTARABINE ARABINOSIDE (ARA-C) in AML patients. Dr. Mukul Aggarwal, AIIMS Interdisciplinary Collaborative Intramural Research Project, 1 year, 2022-2023, Rs 10 lakhs
6. Efficacy and safety of concizumab prophylaxis in patients with Hemophilia A and B with Inhibitors. Dr. T Seth, Novo Nordisk Pvt. Ltd. Start date 1 August 2020 End Date:1 July 2025,
7. Strengthen and standardize the national referral training centers in India, Dr Tulika Seth, NNHF (global NGO), 2020-2023

Departmental projects (including thesis/dissertations)

Ongoing

1. Evaluate the role of HbF modulating gene polymorphism in sickle cell disease patients
2. Next generation deep sequencing to analyse mutations in the BCR-ABL1 kinase domain and elsewhere in Indian chronic myeloid leukemia patients with tyrosine kinase inhibitors
3. Prevalence of common variable immunodeficiency and autoimmune lymphoproliferative disorder in autoimmune hemolytic anemia/Evans syndrome and their impact on clinical outcomes
4. Central nervous system hemorrhage and thrombosis in acute promyelocytic leukemia
5. Identification and quantification of Myeloid-derived suppressor cells in Precursor B cell acute lymphoblastic leukemias by flow cytometry
6. Global longitudinal staring pattern as a measure of cardiac dysfunction in patients receiving 7 plus 3 for AML
7. Clinical profile, treatment patterns and quality of life in cancer patients with venous thromboembolism
8. Analysis of CD9 expression in AML by flow cytometry: Prognostic role, correlation with clinicopathological parameters, cytogenetics and mutation profile.
9. Evaluation of response rate after early initiation of eltrombopag with cyclosporine in treatment naive severe aplastic anemia patients compared to historical cohort. A pilot study
10. Flow cytometric detection of leukemic blasts in CSF in ALL patients with CNS stage 1 disease and monitoring the efficacy of standard Intrathecal methotrexate in them
11. Expression Of Basophil-Lineage Commitment Marker CD203c In Acute Promyelocytic Leukemia And Its Correlation With Disseminated Intravascular Coagulation (Dic) Profile
12. Addition of bortezomib to standard multiagent induction chemotherapy in ALL patients increases their EOI MRD negativity rates
13. Azacytidine and Venetoclax followed by HiDAC consolidation in Previously Untreated Acute Myeloid Leukemia patients unfit for intensive chemotherapy
14. To study the predictors of response to thalidomide in patient with transfusion dependent thalassemia
15. A study of anti-phosphatidylserine/anti-prothrombin IgG antibodies as a tool to improve diagnosis of antiphospholipid antibody syndrome (APS)
16. Study of molecular basis of idiopathic erythrocytosis
17. Assessment of biochemical response and correlation with PET/CT scan response at 6 months in newly diagnosed multiple myeloma patients on different induction chemotherapy protocols
18. To study the efficacy of metformin as an anti-hyperglycemic agent in patients requiring insulin therapy during the induction phase of acute lymphoblastic leukemia treatment.

19. An open label Randomised Study of Low Dose Dasatinib (50mg OD) vs Standard Dose Dasatinib (100mg) vs Standard Dose Imatinib (400mg) as Upfront Therapy in Patients with Newly Diagnosed Chronic Myeloid Leukemia (CML) – Chronic Phase (CP)
20. Evaluation of the bleeding problems and severity and the psycho-social impact of being a carrier of hemophilia
21. Clinicopathological spectrum of Renal Involvement in Patients with Myeloma
22. Activated Partial Thromboplastin Time – Clot Waveform Analysis (APTT-CWA) for evaluation of clotting function in Hemophiliacs – An observational study
23. Validating a flow cytometry-based G6PD assay for the diagnosis of G6PD deficiency
24. Comparative study of BCR-ABL1 kinetics in Philadelphia positive precursor B-cell acute lymphoblastic leukemia by droplet digital PCR, quantitative PCR and flowcytometric estimation of measurable residual disease
25. An explorative study to assess the prevalence of heavy metal level abnormality in patients presenting with unexplained cytopenia and low risk MDS
26. A phase 2 feasibility study of combining Dasatinib with Multiagent BFM Chemotherapy backbone in adult patients with Philadelphia chromosome positive acute lymphoblastic leukemia
27. Detection of CXCR4, MYD88 and BRAFV600E in CD5 and CD10 negative mature B cell lymphoid neoplasm using multiplex PCR- a cross-sectional study.
28. To assess rs2302464 polymorphism as an explanation for CD157 negative cases as determined by flow cytometry using SY11B5 antibody clone
29. Clinical Utility of droplet digital PCR to detect BCR:ABL1 kinase mutation in patients with Philadelphia-positive Acute lymphoblastic leukemia
30. To assess rs2302464 polymorphism as an explanation for CD157 negative cases as determined by flow cytometry using SY11B5 antibody clone.
31. Activated Partial Thromboplastic Time – Clot Waveform Analysis (APTT-CWA) for evaluation of clotting function in Hemophiliacs – An observational study
32. Validating a flow cytometry-based G6PD assay for the diagnosis of G6PD deficiency
33. To study the role of PET CT scan in the evaluation of fever in neutropenic patients with hematologic diseases/ hematopoietic transplantation
34. Azacytidine and Venetoclax followed by HiDAC consolidation in Previously Untreated Acute Myeloid Leukemia patients unfit for intensive chemotherapy
35. To Study the Efficacy of Metformin as an Anti-Hyperglycemic Agent in Patients Requiring Insulin Therapy During the Induction Phase of Acute Lymphoblastic Leukemia Treatment
36. To study the prevalence of heavy metal level abnormalities in patients with low risk MDS and effect of supplementation/chelation on cytopenias.
37. Validating a flow cytometry-based G6PDassay for the diagnosis of G6PD deficiency
38. APTT Clot waveform analysis for evaluation of clotting function in hemophiliacs-An observational study
39. To assess rs2302464 polymorphism as an explanation for CD157 negative cases as determined by flow cytometry using SY11B5 antibody clone
40. Comparative study of BCR-ABL1 kinetics in Philadelphia positive precursor B-cell acute lymphoblastic leukemia by ddPCR, qPCR, and flow cytometric estimation of measurable residual disease.
41. Detection of CXCR4, MYD88, BRAFV600E in CD5 negative CD10 negative mature B lymphoid neoplasms using multiplex PCR- a cross-sectional study.
42. Immunophenotypic characterization of basophils in chronic myeloid leukemia by flowcytometry
43. STAT3 and STAT5B genetic mutations profile in cases of LGL Lymphocytosis and T/NK LGLL.

Completed

1. To assess utility of MPN 10 questionnaire for assessment of symptoms burden and quality of life) and assessment of various scoring systems being used in patients of myelofibrosis
2. Characterization of immunoparesis in newly diagnosed myeloma and its impact on progression-free and overall survival with regards to anti myeloma therapy

3. Analysis of Monocyte subsets by Multiparameter flow cytometry in peripheral blood in cases of Monocytosis
4. Study of the expression of GATA1 protein by immunohistochemistry in BCRABL negative myeloproliferative neoplasm.
5. Evaluation of programmed death- ligand1 (PD- L1)/CD274 expression on myeloblasts in acute myeloid leukemia (AML) by flow cytometry
6. Study of the role of thromboelastography in predicting risk of hemorrhage in patients with acute leukemia
7. Flow cytometry assessment of CD 26+ leukemia stem cells in chronic myeloid leukemia
8. Minimal residual disease analysis in acute myeloid leukemia by flow cytometry using a limited antibody panel
9. Correlation of endogenous thrombopoietin levels with response to thrombopoietin receptor agonists and assessment of serum LDH profile in adults with primary ITP
10. Evaluation of response to immunosuppressive therapy and eltrombopag in aplastic anemia
11. A study of Anti-Phosphatidylserine/Anti-prothrombin (Anti-PS/PT) IgG antibodies as a tool to improve diagnosis of Antiphospholipid antibody syndrome (APS)
12. Expression Of Basophil-Lineage Commitment Marker Cd203c in Acute Promyelocytic Leukemia and Its Correlation with Disseminated Intravascular Coagulation (DIC) Profile
13. To study the predictors of response to thalidomide in patients with transfusion dependent thalassemia (completed/ done).
14. Assessment of biochemical response and correlation with PET/CT scan response at 6 months in newly diagnosed multiple myeloma patient on different Induction chemotherapy protocols

Collaborative projects

Ongoing

1 A prospective multi-centric observational study on the role of blood coagulation and fibrinolysis in emergence of ARDS in patients with new coronavirus pneumonia (COVID-19) Safdarjung Hospital

2 Preclinical study of CRISPR-Cas mediated gene editing of globin gene locus in healthy donor derived CD34+ hematopoietic stem progenitor cells (HSPCs) in mouse models to develop a potential therapy for sickle cell anemia patients. IGIB and 5 other clinical centers in the country

4 Screening, classification, and clinical profile of patients with Anaemia and Diabetes mellitus. Medicine, AIIMS

5 Multicentric collaborative study of the National Registry for Rare Disorders in India Pediatrics, AIIMS

6 Venetoclax with chemotherapy for Remission induction in AML patients: a phase I-b/II study Medical Oncology, AIIMS

7 Effect of different vitamin D supplementation practices in vitamin D deficient mechanically ventilated patients with sepsis in a medical ICU on hemoglobin levels at day 0 and day 14 Internal Medicine, AIIMS Delhi

8 MYD88 L265P Mutational studies in characterization of unclassifiable mature small B cell lymphoid neoplasms Pathology, AIIMS Delhi

9 An open label randomized control trial to compare the outcomes with and without preoperative splenic artery embolization (SAE) in patients with moderate splenomegaly undergoing elective laparoscopic splenectomy. Surgery, AIIMS Delhi

10 Real Time PCR for Diagnosis of Invasive Fungal Infections Microbiology, AIIMS

11 To study the clinico-hematological profile of patients with low-risk myelodysplastic neoplasms having features of systemic inflammation and to examine theoccurrence of somatic mutation in UBA-1 gene in this patient subset. Department of Medicine, AIIMS

12 Assessment of hemostatic parameters and platelet function in patients with chronic kidney disease Department of Nephrology, AIIMS

Completed

1. Clinical and laboratory profile of patients with hyper eosinophilia presenting to a tertiary care center on north India, Department of Medicine

2. A population based prospective cohort study to unravel the causes of stroke and cognitive decline: a cross cultural perspective international co-operation division. AIIMS and Erasmus Medical Center Rotterdam, Netherlands, Clinical Epidemiology Unit, AIIMS
3. Role of platelet activation in the development of systemic inflammations in patients with type-2 diabetes, Endocrinology, AIIMS and Regional Centre for Biotechnology (RCB)
4. Identifying association of gene polymorphism and Prakriti in responders & non-responders to dual antiplatelet therapy in coronary artery disease patients. Cardiology, AIIMS
5. To evaluate the role of serum d-dimer, neutrophil: lymphocyte ratio, platelet: lymphocyte ratio and CA125 in assessment of ovarian masses. Obstetrics and Gynecology, AIIMS
6. Efficacy of intravenous iron therapy compared to oral iron treatment in iron deficient adult cyanotic, congenital heart disease patients for improvement in clinical outcome at 3 months. Cardiology, AIIMS
7. Prospective observational study to assess the prevalence of platelet refractoriness and its reasons in patients receiving multiple platelet transfusion in an Indian setting. Transfusion Medicine
8. Autoimmune Hemolytic Anaemia: Clinical and Serological correlation. Transfusion Medicine, AIIMS

Publications

Journals: 23 **Abstracts: 35**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**36**	**41**	**58**
Journal articles	20	24	23
Abstracts	15	14	35
Chapters in books	1	3	-
Books	-	-	-

PATIENT CARE

A. CLINICAL SERVICES

- **OPD/Clinics runs 6 days per week**:

  New Patients: on Monday/Wednesday/Friday

  CLINICS:

  1. Monday: CML, Haemato-oncology
  2. Tuesday: Stem cell Transplant Clinic
  3. Wednesday: Hemolytic anemias and ITP, CLPD
  4. Thursday: Coagulation and Bleeding clinic
  5. Friday: Aplastic anemia, CMPD clinics
  6. Saturday: Leukemia Survivor clinic census **in 2024-25:**

TOTAL OUTPATIENTS Census in 2024-25: 56170

- **New Patients:** **13740**
- **Follow up patients (H.No):** **6578**
- **Specialty CLINICs:**
  - **CML:** **6844**
  - **Transplant (HT)** **1856**
  - **ITP (HC)** **3504**

- **Hemolytic Anemia (HA) 2481**
- **Aplastic Anemia(AA) 3951**
- **Hemostasis(HS) 2422**
- **Leukemia survivor (HL) 630**
- **Leukemia (HO) 2914**
- **Lymphoma/Myeloma(CLPD) 2707**
- **CMPD 2846**
- **Miscellaneous (HM) 257**

- **In Patient care:**

i) Inpatients: C2, C6, D6, Emergency ward, Private wards

ii) Stem cell Transplant: 6-8 New Allogeneic transplants per month

iii) Hematology Day care: for procedures, chemotherapy and transfusion services

- **TOTAL INPATIENT census in 2024-25**

Regular admission – 6834

Short admissions: – 13740 (including OPD day Care)

Total Admissions: 20574

Hematology Day Care Center (Near C2 ward) Census 2024-25

Month	Admissions	Chemotherapy	Transfusions		Procedures			Total Procedures
			RBC	SDP/PRP/ FFP/Cryo	Bone marrow	Intrathecal	Phlebotomy	
Apr 2024	1178	300	352	157	256	271	44	571
May 2024	1433	296	331	199	278	312	42	632
June 2024	1055	286	245	211	198	304	38	540
July 2024	1287	319	298	187	214	378	93	685
Aug 2024	889	217	387	165	267	353	79	699
Sept 2024	1275	224	371	181	228	314	65	607
Oct 2024	1059	218	354	183	266	298	44	608
Nov 2024	985	222	367	158	202	331	51	584
Dec 2024	1152	212	313	160	270	309	44	623
Jan 2025	1193	222	370	139	237	391	56	684
Feb 2025	1012	190	369	179	215	359	39	613
Mar 2025	1222	258	343	193	211	371	43	625

- **Community services**

The department has been active around thalassemia and hemophilia awareness with the help of Thalassemia federation of India and Hemophilia Federation of India.

LABORATORY SERVICES

The Department of hematology has state-of-the-art facilities as follows:

- Bone marrow aspirate, bone marrow biopsies and peripheral smears
- Immunohistochemistry
- Molecular genetics
- Hemolytic anemia workup
- Flow cytometry
- Capillary electrophoresis for hemoglobinopathies
- Coagulation workup for inherited and acquired bleeding disorders
- Platelet aggregometry
- Thrombophilia workup
- Prenatal diagnosis of Hemophilia and hemoglobinopathies

Census of various laboratories (2024-2025)

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. M Mahapatra

1. Selected as Bhagawan Birsa Munda Chair of Tribal Health and Hematology
2. Received Professor J.B.Chatterjea Memorial Oration Award by Bengal Society of Hematology
3. Became President of Delhi Society of Hematology (DSH)
4. Became the Vice-President of Indian Society of Hematology and Blood Transfusion (ISHBT)
5. Member of Technical Expert committee of National Institute of Biologicals (NIB)
6. Organizing Chairperson at 13th National Hematology Update in January-February 2025, at New Delhi
7. International Member of European Society of Hematology (EHA)
8. International member of International society of thrombosis and hemostasis (ISTH

Dr. Tulika Seth

Elected position

- North zone EC member PHO Chapter of Indian Academy of Pediatrics 2024-current
- EC member IAHAD (Indian academy for hemophilia and allied disorders.
- **Posts at AIIMS**
- Member Institute Ethics Committee for Postgraduates, AIIMS, New Delhi
- Member subcommittee to assist ethics committee with monitoring adverse events for clinical trials (AIIMS, New Delhi)
- Member Library committee AIIMS
- **Other positions**
- Governing body member of Delhi School of Public Health (DSPH)
- National board of examiners (NBE) Specialist Member for Hematology
- Member National centre of excellence and advanced research on anemia control (NCEAR-A)
- Member National Consortium for Research and Development on therapeutics for Rare Diseases (NCRDTRD)-Hematology expert group
- Member JNU stem cell ethics committee IC- SCR
- Gazette India disability guidelines blood disorders- notification 12 March 2024

- Chairperson
- Technical advisory committee meeting XXVIII -IIPS National seminar 2024 12-13 February 2024 Varanasi

Dr. Mukul Agarwal

1. Working as Hematology expert for Athlete biological passport management unit (ABPU) with National Anti-doping agency (NADA), India and with Anti Doping Laboratory, Tokyo
2. Working as Hematology expert for Athlete biological passport management unit (ABPU) with National Dope Testing Laboratory (NDTL), India and New Delhi APMU
3. Hematology faculty at Medical Camp at Leh, organized by Ashoka Mission.
4. National coordinator for National Hematology Quiz 2024
5. Section Editor - Hematology for the journal Indian Pediatrics
6. Associate Editor- Indian Journal of Hematology and Blood Transfusion
7. Chairperson of Bone marrow failure subcommittee of INPHOG.
8. Scientific secretary for National Hematology Update 13 at New Delhi
9. Scientific secretary for 33rd Annual Conference of Delhi Society of Hematology at New Delhi.
10. Organizing Secretary for first collaborative CME on High Altitude, Aerospace and Marine Medicine at New Delhi.
11. Section editor: Hematology. PG Textbook of Pediatrics for Postgraduates, 4th edition.

Visiting scientist:

1. Dr Mark Levis, Professor of Oncology and the Director of the Adult Leukemia Service and Co-Director of the Division of Hematologic Malignancies at the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins School of Medicine, Baltimore, USA delivered a lecture on "Role of Gilteritinib in FLT 3 mutation in AML: An Update" on 5 April 2024
2. Dr. Nicholas Short, Faculty at the MD Anderson cancer center, Texas, USA delivered a lecture on "Evolving Landscape of Acute lymphoblastic leukemia" on 11 May 2024
3. Dr Pankay Qasba, Scientist at the National Institutes of Health, Bethesda, USA delivered a lecture on 8 October 2024.

Comparison with previous years

	Sub-types	2022–23	2023–24	2024–25
Number Of students/trainees registered in the department	DM Clinical Hematology and Hematopathology	25	25	25
Number of oral presentations and posters		18	14	54
Number of different types of publications		40	41	191
Total number and amount of funding received for research	Intramural and Extramural	62,59,50,130	63,64,01,200	67,56,08,630
Number of patient care related activities.	Inpatient census	14,850	17,373	20,574
	Specialty clinics	10	10	10
	Procedures	17,780	21,205	22,783
	Lab Investigations	1,47,700	1,41,722	95,032
	Other activities- patient seminars/workshops	4	4	4

9.17 Hospital Administration

Professor and Head

Sidhartha Satpathy

Medical Superintendent

DK Sharma	Nirupam Madaan
(Dr RP Centre)	(Main Hospital)

Professors

Sanjay Arya	AartiVij
Amit Lathwal	Mahesh R

Additional Professors

Angel Rajan Singh	Parmeshwar Kumar
Vijaydeep Siddharth	Abdul Hakim Choudhary

Associate Professors

Jitender Sodhi	Laxmi Tej Wundavalli
Sheetal Singh	Vikas H

Assistant Professors

Kanika Jain	Anant Gupta
Arun Verma	Namrata Makkar
Khalid Mehmood	Mohd Kausar
Rahul Ranjan	Nishant Sharma
	Kshitija Singh

EDUCATION:

The Department is running a postgraduate degree program for medical graduates, viz. MD(HA), earlier known as MHA (Masters in Hospital Administration). This course was started in February 1966, for the first time in India and has since been recognized as a distinct postgraduate discipline. In January 2016, this course has been converted to MD (Hospital Administration) in accordance with decision of Academic Committee (AC-113/10) duly ratified by GB (GB-152/7) during its meeting held on 13 April 2015. The Residency Program in Hospital Administration focuses on 'hands on' training, where Resident Administrators are posted in the 'Administrative Control Room' of main hospital, Jai Prakash Narayan Apex trauma center, and National Cancer Institute, Jhajjar campus round the clock as 'Duty Officers', and coordinate all the hospital activities after duty hours. It is also the nerve center of the Hospital/centers. The Department also has Senior Residents who are posted in the Main Hospital and various centers for assisting Faculty members in administrative tasks. They are also involved in new projects at AIIMS.

Faculty members conducted several training programmes for the doctors working in various organizations including Central, State Governments, Paramilitary Forces and in various PSUs such as IICM, Ranchi and also other management institutes.

LONG AND SHORT TERM TRAINING:

1. MD (HA) Residents from Sher-I-Kashmir Institute of Medical Sciences, Srinagar
2. MD(HA) Residents from BPKIHS, Dharan, Nepal
3. MD(HA) Residents from Gandhi Medical College, Secunderabad, Telangana
4. MD(HA) Residents from AFMC, Pune
5. MD(HA) Residents from PGIMER, Chandigarh
6. ITBP, Medical Officers from Govt of India, Dy Director (Medical), ITBP

CONTINUING MEDICAL EDUCATION

RESEARCH

Departmental projects (including thesis/dissertations)

Ongoing

1. A Study of Workload Indicator of Staffing Needs(WISN) at Outpatient Services under Employee Health Scheme of AIIMS, New Delhi,
2. A Study of variations in decision making patterns and stress levels in clinicians, pre/para clinicians and administrative medical professional
3. Analysis of Procurement Digital Library and its impact on procurement of goods of AIIMS, New Delhi
4. A study to assess compliance status of In-patient medical records of a tertiary care teaching hospital in New Delhi as per NABH accreditation standards
5. Assessment of Patient understanding of OPD Card and Discharge Summary: A need Assessment study to improve organizational Health Literacy.
6. Evaluation of Patient Satisfaction with Inpatient Services offered at the Trauma Care Facility.
7. Evaluation of Discharge process and analyzing the delays of discharge at JPNATC
8. Challenges and learnings of NABH certification at JPNATC
9. Assessing the Health Care Package utilization in BPS under PMJAY and its barriers and facilitators
10. Creation of Center of Excellence with ICMR Collaboration at BPS
11. Impact of Modifications in Tender Conditions on Participation and Effective Contracting in Drug Tenders in a Tertiary Care Hospital
12. Optimising staffing levels of Operation Theatre Technical Staff using Workload Indicators of Staffing Norms
13. Evaluation of the Hospital Discharge Protocol in an Acute care setting: Insights from Trauma Centre, North India
14. To study the implementation of procurement process as per GFR, 2017 and its amendments in medical equipment across AIIMS, New Delhi.
15. To study the scope of implementing sustainable practices at a tertiary care teaching institute in New Delhi.
16. A study to assess the capacity of select components of the medical gas pipeline system of a tertiary care teaching hospital in North India
17. Relocation of Emergency Department in a Tertiary Care Teaching Hospital: Ensuring Seamless Transition and Service Continuity
18. Patient engagement in Geriatric care at AIIMS, New Delhi.
19. Knowledge, awareness of Health care worker reg. POSH Act, 2013
20. A study on Professional Fulfilment, Intention to Leave and Attrition among the Resident Doctors at AIIMS, New Delhi
21. A study on patient centered care in tertiary care hospitals across India
22. A Study Capturing Out-of-Pocket Expenditure (OOPE) in a Tertiary Healthcare Organization in India
23. Application of AI in Hospitals

Completed

1. Hybrid method of teaching -learning is effective in improving communication- an experience of an interventional pre-post single-arm study through communication workshop for nurses. (under Publication)
2. Evaluation of Compliance with WHO Surgical Safety Checklist Parameters in Trauma Center, India
3. Impact of Interactive Training Interventions on Soft Skill of Communication in Nursing Staff of Emergency of a Tertiary Care Teaching Hospital: An Experimental Study

4. Process of renewal of PC & PNDT license of a large tertiary care teaching hospital of North India: How one needs to plan for it?
5. A Study to assess the utility of Telemedicine as a screening tool in Paediatric Outpatient Department of a tertiary care teaching hospital in New Delhi
6. A Study on Patient Centered Care at AIIMS New Delhi
7. Increasing access to healthcare and reducing out of pocket expenditure through AMRIT (Affordable Medicines and Reliable Implants for Treatment) Pharmacy Scheme: A novel initiative towards Universal Health Coverage by Government of India
8. Third-party audit of Medical Gas Pipeline System (MGPS) in healthcare facilities: An important tool for quality improvement in provisioning of medical gas services
9. Assessing the utilization of healthcare package under PMJAY at BPS Block
10. An interventional study to evaluate the impact of a Patient Safety Incident Reporting system on Incident Reporting in various in-patient areas of AIIMS, New Delhi
11. Cost-effectiveness of early stoppage of empirical antibiotic therapy at the clinical improvement in paediatric cancer patients with high risk febrile neutopenia in an ongoing open label randomized control trial
12. Cost conundrum of anti-cancer drugs: A study on pricing variations across India

Lectures delivered at CMEs, National and International Conferences

Lectures Delivered: 61

Sidhartha Satpathy: 7	**Vijaydeep Siddharth: 28**	**Parmeshwar Kumar: 1**
Abdul Hakim Choudhary: 1	**Jitender Sodhi: 6**	**Vikas H: 2**
Sheetal Singh: 2	**Kanika Jain: 4**	**Anant Gupta: 2**
Rahul Ranjan: 2	**Namrata Makkar: 4**	**Mohammad Kausar: 1**
Nishant Sharma: 1		

Sidhartha Satpathy

1. Legal aspects of administration of Medical Institutions (3 lectures), LEAD National Workshop organized by National Academy of Medical Sciences, New Delhi, 14 April 2024, 11 May 2024, 6 July 2024, NAMS, New Delhi, Physical, Online
2. Hospital Planning & Designing Management issues in OPD (2 lectures), 2nd Foundation Course on Hospital Management- MP Services Commission, through NIHFW, 26 July 2024, NIHFW, New Delhi, Physical
3. Hospital Planning & Designing – an overview, 100th Trg Course on Hospital Administration for Senior Hosp Admn, 18-09-24, NIHFW, New Delhi
4. Lectures on Hospital Administration & OB lab (12 lectures), Hospital Management & Administration Program for Medical Superintendents of Coal India, 30 January 2025 to 2 February 2025, IICM, Ranchi, Physical
5. Legal Aspects of health care- challenges and research opportunities, Research Forum, AIIMS Bhubaneswar, 25 February 2025, AIIMS Bhubaneswar, Online
6. Lectures on Hospital Administration topics (6 lectures), Goa Institute of Public Administration & Rural Development, Old Goa, 27 and 28 February 2025, GIPARD, Old Goa
7. Laws applicable in Hospitals- an overview, CEMICON- National Conference of Coal India, 26 October 2024, IICM, Ranchi, Online

Vijaydeep Siddharth

1. IPC Training at AIIMS New Delhi, National Consultation on developing comprehensive National Curriculum for Infection Prevention & Control**,** 25-26 June 2024, National Centre for Disease Control, Ministry of Health & Family Welfare, Government of India, New Delhi
2. Management Issues in CSSD & Laundry Services, Training Programme on Hospital Management for Hospital Managers of Madhya Pradesh Govt, 18 July 2024, National Institute of Health & Family Welfare, New Delhi

3. Infection Prevention & Hospital Acquired Infection, Training Programme on Hospital Management for Hospital Managers of Madhya Pradesh Govt, 18 July 2024, National Institute of Health & Family Welfare, New Delhi
4. Hospital preparedness and response during disaster, Training Programme on Management of Public Health Emergencies for District Health Officers, 26-31 August 2024, AIIMS, Mangalgiri, Mangalgiri
5. Surge capacity and its planning, Training Programme on Management of Public Health Emergencies for District Health Officers, 26-31 August 2024, AIIMS, Mangalgiri, Mangalgiri
6. Continuity of essential Health services, Training Programme on Management of Public Health Emergencies for District Health Officers, 26-31 August 2024, AIIMS, Mangalgiri, Mangalgiri
7. Logistic supply chain management, Training Programme on Management of Public Health Emergencies for District Health Officers, 26-31 August 2024, AIIMS, Mangalgiri, Mangalgiri
8. Health emergency work force**,** Training Programme on Management of Public Health Emergencies for District Health Officers, 26-31 August 2024, AIIMS Mangalgiri, Mangalgiri
9. Hospital and Healthcare Services in India (05), MBA Healthcare Management, 28-29August 2024, Indian Institute of Management, Jammu
10. Management Issues in IPD and OPD, 100th Training Course on Hospital Administration for Senior Hospital Administrators, 18 September 2024, National Institute of Health & Family Welfare, New Delhi
11. Patient Safety & Risk Management (05 Lectures), MBA Healthcare Management, 24-26 October 2024, Indian Institute of Management, Jammu
12. Overview of the Disaster and Principles of Disaster Management in Hospitals, Capacity-building programme for Hospital Administrators on "Hospital Preparedness for Public Health Emergencies", 2 December 2024, AIIMS, Mangalgiri, Mangalgiri
13. Basic steps and format of hospital Disaster Management Plan, Capacity-building programme for Hospital Administrators on "Hospital Preparedness for Public Health Emergencies", 2 December 2024, AIIMS Mangalgiri, Mangalgiri
14. Hospital Evacuation Plan, Capacity-building programme for Hospital Administrators on "Hospital Preparedness for Public Health Emergencies", 2 December 2024, AIIMS Mangalgiri, Mangalgiri
15. Patient Safety & Risk Management (05 Lectures), MBA Healthcare Management, 23-24 December 2024, Indian Institute of Management, Jammu
16. Management Issues in CSSD & Laundry Services, Training Programme on Hospital Management for Hospital Managers of Madhya Pradesh Govt, 22nd January 2024, National Institute of Health & Family Welfare, New Delhi
17. Basic Steps & Format of Hospital Disaster Management Plan, Capacity Building Programme on Hospital Preparedness for Health Emergencies for Hospital Administrators, 15 January 2025, National Institute of Health & Family Welfare, New Delhi
18. Hospital Evacuation Plan, Capacity Building Programme on Hospital Preparedness for Health Emergencies for Hospital Administrators, 15th January 2025, National Institute of Health & Family Welfare, New Delhi
19. Role of technology in enhancing medication safety, Pre –IPSC workshop holding the theme - Enhancing Medication Safety & strategies to prevent Medication error, 25 January 2025, Apollo Sage Hospitals, Bhopal
20. Effects of community outbreaks in healthcare facilities, 8th HISICON, National Conference of the Hospital Infection Society - India (HISI), 8th February 2025, HISI Lucknow Chapter in collaboration with Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow
21. Basics of Hospital Planning & Designing, Training Programme on Hospital Management, 24-28 February 2025, Goa Institute of Public Administration and Rural Development (GIPARD), Goa
22. Quality & Patient Safety in Hospitals, Training Programme on Hospital Management, 24- 28 February 2025, Goa Institute of Public Administration and Rural Development (GIPARD), Goa
23. Hospital Accreditation: NABH & NQAS, Training Programme on Hospital Management, 24-28 February 2025, Goa Institute of Public Administration and Rural Development (GIPARD), Goa
24. Support Services from laundry, dietary and CSDD, Training Programme on Hospital Management, 24-28 February 2025, Goa Institute of Public Administration and Rural Development (GIPARD), Goa

25. Hospital Stores & Procurement, Training Programme on Hospital Management, 24-28 February 2025, Goa Institute of Public Administration and Rural Development (GIPARD), Goa
26. Use of IT in Healthcare, PGDM in Health & Family Welfare Management 2024-2025 Batch, 24-28 March 2025, National Institute of Health & Family Welfare, New Delhi
27. Quality of Care, PGDM in Health & Family Welfare Management 2024-2025 Batch, 24-28 March 2025, National Institute of Health & Family Welfare, New Delhi
28. Materials Management & Inventory Control, PGDM in Health & Family Welfare Management 2024-2025 Batch, 24-28 March 2025, National Institute of Health & Family Welfare, New Delhi

Parmeshwar Kumar

1. Transforming Healthcare Delivery for a better tomorrow, International conference on Advancing Healthcare Management, 17-18 January 2025, Calicut, Kerala

Abdul Hakim Choudhary

1. Lectures on various topics of Hospital management (6 lectures), Hospital Management & Administration for Medical Professionals of Coal India Limited, 20 –22 February 2025, Indian Institute of Coal Management (IICM), Ranchi

Jitender Sodhi

1. Legal aspects of Medical Records, National Medical Records Day, 1 September 2024, AIIMS, New Delhi
2. Legal and Ethical framework in Healthcare Sector, Focus Group Discussion on Healthcare Law, 18 October 2024, Symbiosis Law School, Pune, Online
3. Lectures on various topics of Hospital management (6 lectures), Hospital Management Program for Medical Officers and Medical Superintendents of Coal India, 17-19 February 2025, IICM, Ranchi
4. Legal and Ethical framework in Healthcare Sector, Consultative Workshop on Healthcare Law, 16-17 January 2024, Symbiosis Law School, Pune
5. General appearance, Grooming and Dressing Sense, Soft Skills Training Programme, 23 October 2024, New RAK OPD, AIIMS, New Delhi
6. The Right to Information Act, 2005 (4 lectures), ANS Promotional Training Programme-2025, 20-28 January 2025, 17 and 18 March 2025, SET Facility, AIIMS, New Delhi

Vikas H

1. Lectures on various topics of Hospital management (06 lectures), Training Programme on Hospital Management and Administration, 17 February 2025, IICM Ranchi, Ranchi
2. Training on Mass Casualty Management, Training on WHO course on Mass Casualty Management, 4 March 2025, JPNATC, Delhi

Sheetal Singh

1. Diagnostic & Therapeutic Services (Laboratory Services, Imaging Services incl. Interventional Radiology, Digital imaging services & PACS, Endoscopy Services, Nuclear Me Specialised Diagnostic & Therapeutic Services dicine Services, Blood Transfusion Services), MBA Healthcare Management, 24-28 June 2024, IIM Jammu, Jammu
2. Hospital Planning and Designing Module, MBA Healthcare Management, 31 December 2024 -04 January 2025, IIM Jammu, Jammu

Kanika Jain

1. Lectures on various topics of Hospital management (6 lectures), Training on Hospital Management and Administration, Coal India, 3-5 February 2025, IICM, Coal India, Ranchi
2. Implementation of Diagnostic Protocols in Hospital settings & Strategies for improving diagnostic processes in Hospitals (2 lectures), Capacity Building Program on Patient Safety, 17 September 2024, NIHFW, Munirka, New Delhi

3. Dept/Divn of Patient Safety in Tertiary Care hospitals, National Capacity Building Program on Patient safety in India, 16 October 2024, Patient safety Secretariat, DGHS, MoHFW, New Delhi
4. Several lectures (30) on Hosp Admn related topics like Health Economics, MBA Healthcare Management Course, 30 November to 2 December; Feb-March 2025, IIM Jammu, Jammu

Anant Gupta

1. Lectures on various topics of Hospital management (9 lectures), PGDHHM, 19– 21 December 2024, IIM Jammu, Jammu
2. Lectures on various topics of Hospital management (5 lectures), Training on Hospital Management and Administration, Coal India, 10– 12 February 2025, IICM Ranchi, Ranchi

Rahul Ranjan

1. HC operations and Service Management -Diagnostic & Therapeutic Services, PG Certificate Programme in Advanced Healthcare Management (AHM001), 16 June 2024, IIM Nagpur, Virtual
2. Lectures on various topics of Hospital management (03 lectures), Training Programme on Hospital Management and Administration for Medical Superintendents GDMOs, Non Specialist of Coal India Ltd at IICM, Ranchi, 24 February 2025, IICM, Ranchi, Ranchi

Namrata Makkar

1. Models of care in Geriatrics, 64th Annual National Conference of the National Academy of Medical Sciences (NAMSCON-2024), 23–24 November 2024, AIIMS, Jodhpur, Jodhpur
2. Geriatric Oncology and Translational Research, Elderly Empowerment and Graceful Ageing - 21st Biennial International Conference of Association of Gerontology, India (2024), 13 December 2024, NIHFW, Delhi, Delhi
3. Gender Sensitization**,** Indian Psychiatric Society, 8th Annual National Symposium of Women's Mental Health held with the Theme" Women's Mental Health: Trends Challenges and opportunities, 14th December 2024, Lady Hardinge Medical College, New Delhi, New Delhi
4. Multidisciplinary Perspectives on Geriatric Oncology: Collaborative Strategies for Comprehensive Patient Management**,** 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology (NCPO-2025), 3–5 January 2025, Department of Psychiatry, AIIMS, New Delhi at JLN Auditorium, New Delhi

Mohammad Kausar

1. Lectures on various topics of Hospital management (05 lectures), Training Programme on Hospital Management and Administration for Medical Superintendents GDMOs, Non Specialist of Coal India Ltd at IICM, Ranchi, 13–15 February 2025, Ranchi, Ranchi

Nishant Sharma

1. Healthcare Management (06 lectures), Training Programme on Hospital Management and Administration for Medical Superintendents GDMOs,, 10- 12 February 2025, Indian Institute of Coal Management (IICM), Ranchi; Physical

Tilotma Jamwal

1. Regulatory compliances and Quality Assurance of MGPS, Expert Advisory Group meeting for National Capacity Building Program for Oxygen Management, 27 March 2025, SET Facility, AIIMS, New Delhi, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
84	92	61

List of Oral Papers Presented: 19

1. Siddharth Vijaydeep, Kumar Yogesh, Jamwal Tilotma, Khare Amitesh, Singh Kshitija, Gopathoti Paavan, et al, National initiative for capacity building of doctors & hospital engineers in structural and non-structural mitigation measures to ensure disaster resilience of hospitals in India, CRA Disaster & Emergency Management Conference, 29-31 July 2024, Bangkok, Thailand

2. Sharma Nishant, Promoting Digital Health for seamless integration of healthcare services through Implementation of ABHA IDs for patients, FICCI 16th Healthcare Excellence Awards 2024, 3 September 2024, New Delhi

3. Kumar Parmeshwar, H Vikas, Gowda Naveen, S Rudresh, Madaan Nirupam, Madan Karan, et al, A shot in the arm, not a shot in the dark! A systems perspective of an apex Indian medical Institutions COVID-19 vaccination programme, 17th Vaccine Congress, 24-27 September 2024, Glasgow, Scotland

4. Nag Prashant, Arya Sanjay, Siddharth Vijaydeep, Singh Angel Rajan, An exploratory study into the perceived impact of accreditation on Healthcare Quality and its associated Cost among accredited HCOs in India, ISQUA Intl Conference 2024, 24-27 September 2024, Istanbul, Turkey

5. Gopathoti Paavan, Jamwal Tilotma, Choudhary Abdul Hakim, Siddharth Vijaydeep & Kausar M, Implementation of structured ward round checklist: A Hospital Administrators Perspective on integration of quality and safety into routine ward visit in a tertiary care Hospital in North India, ISQUAIntl Conference 2024, 24-27 September 2024, Istanbul, Turkey

6. Agrawal N, Sharma N, Jamwal T, Singh K, Siddharth V, Satpathy S, Optimizing Costs and Sustainability for Gamma Knife Radiosurgery: A Cost and Breakeven Analysis at India's Largest Neurosurgery Centre, ISPOR Europe 2024, 17-20 November 2024, Barcelona, Spain

7. Agarwal N, Siddharth V, Jamwal T, Satpathy S, Optimizing Costs and Sustainability for Gamma Knife Radiosurgery: A Cost and Breakeven Analysis at India's Largest Neurosurgery Centre, ISPOR Europe-2024, 17-20 November 2024, Belgium

8. Siddharth Vijaydeep, Jain Kanika, Sharma Nishant, Khare Amitesh, Paavan Gopathoti, Tony Joseph, PPD (Prediction, Prevention and Detection) Framework for preventing patient fall: A novel IT Based solution, International Patient Safety Conference, 21-22 February 2025, Delhi

9. Goswami Bishnu, Vikas H, Bhoi Sanjeev, Planning Designing and Installation of make shift facility for Decontamination of Chemical Biological, Radiological and Nuclear (CBRN) Disaster cases. At a Tertiary care hospital, NUCLEAR MEDICINE UPDATE 2025, 06-09 February 2025, Singapore

10. Gopathoti Paavan, Hakim Abdul, Siddharth Vijaydeep, A cross-sectional study to analyze the various factors influencing Patient Safety Incident Reporting at a Tertiary Care Hospital in North India, International Patient Safety Conference, 21-22 February 2025, Delhi

11. Sharma Nishant, Optimizing the patient flow using the principles of Kaizen at outpatient department of a tertiary care teaching hospital in New Delhi: An interventional study, International Patient Safety Conference, 21st February 2025, New Delhi

12. Sharma Nishant, Fall prevention strategies in hospitals – **1st Prize**, International Patient Safety Conference, 22 February 2025, New Delhi

13. Jain Kanika, Khare Amitesh, Khanna Punit, Accreditation: A buzz word or more? A systematic review and Meta-analysis, ISQUA Intl Conference 2024, 24-27 September 2024, Istanbul, Turkey

14. Jamwal Tilotma, Jain Kanika, Khanna Punit, Environmental Impact of Extensive use of Personal Protective Equipment in Health care during COVID-19, ISQUA Intl Conference 2024, 24-27 September 2024, Istanbul, Turkey

ORAL PRESENTATIONS IN CONFERENCES OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
4	18	19

RESEARCH

Funded

Ongoing

1. A study to assess the Communication and attitudinal barriers in care of elderly and implement a capacity building programme for select health care workers in an Apex tertiary care Teaching Institute in North India An Interventional study, Dr Namrata Makkar, AIIMS, Early career grant, Two Years, 2024-2026, Rs 1.50 Lakhs

2. Antimicrobial susceptibility patterns of pathogens isolated in bloodstream infections vis a vis anitbiotic prescribing practices and genotypic clonality of Acneitobacter Baumani various patient care units/areas, Dr

Vijaydeep Siddharth & Dr Hitender Gautam, AIIMS Intramural Grant, 1 Year, 2021-2022 (On extension), Rs 10 Lakhs

3. Assessment of serial COVID-19 IgG antibody response among fully vaccinated healthcare workers involved in sanitation and housekeeping at AIIMS, New Delhi, Dr. Abdul Hakim Choudhary, AIIMS Intramural Grant, 1 Year, 2022-2023, Rs 4.5 Lakhs
4. Capacity building of Doctors and Hospital Engineers in Structural and Non-structural mitigation measures for Hospital Safety and Disaster Resilience, Dr DK Sharma, MoHFW, 3 Years, 2022-2025, 1.59 Crore
5. Capacity building of doctors and hospital engineers in structural & nonstructural mitigations measures for hospital safety & disaster resilience, Dr Vijaydeep Siddharth, Ministry of Health & Family Welfare, Govt of India, 5 Years, 2021-2026, Rs 154 Lakhs
6. Impact of air quality interventions on air quality including microbial load in inpatient environmental air, Dr Vijaydeep Siddharth, AIIMS Intramural Grant, 1 Year, 2020-2021, Rs 3.46 Lakhs
7. Impact of Protective Footwear in Infection Control in Critical Care Settings: A comparative study, Dr Kanika Jain, AIIMS Intramural Grant, 3 Years, 2024-2027, Rs 5 Lakhs
8. National Capacity building program for Oxygen management, Dr Vijaydeep Siddharth, MoHFW, 1 Year, 2025-2025, 84 Lakhs
9. National Capacity Building Programme for Medical and Nursing Officers on Medical Oxygen Management and its use in Tertiary Care Hospitals, Dr Vijaydeep Siddharth, Ministry of Health & Family Welfare, Govt of India, 6 Months, 2025-2025, Rs 83 Lakhs
10. Randomized Control Trial on Benefits of Mindfulness Meditation Intervention on Improving Work-life integration among Healthcare Workers at Deaddiction center of AIIMS, New Delhi, Dr Nishant Sharma, AIIMS Early Career Intramural Grant, 2 Years, 2023-2025, Rs 8.50 Lakhs
11. Socioeconomic burden of Surgical Site Infection (SSI's) and validation of SIMPI Criteria against CDC criteria for SSI Surveillance for general surgery procedures, Dr Vijaydeep Siddharth, Higher Education Financing Agency, 3 Years, 2025-2028, Rs 49 Lakhs

Completed

1. Capacity building of doctors and hospital engineers in structural & nonstructural mitigations measures for hospital safety & disaster resilience, Dr Vijaydeep Siddharth, Ministry of Health & Family Welfare, Govt. of India, 3 Years, 2021-2024, Rs 1.54 Crores
2. Effectiveness of robot in floor cleaning for minimizing human exposure in view of COVID-19 pandemic, Dr Vijaydeep Siddharth, AIIMS Intramural Grant0, 1 Year, 2020-2021, Rs 6.29 Lakhs
3. National Capacity building program for healthcare workers in infection prevention and control (IPC) including biomedical waste (BMW) management for pandemic preparedness, Dr Vijaydeep Siddharth, USAID, India & JHPIEGO, India, 1 Year, 2022-2024, Rs 3 Crore

Collaborative projects

Ongoing

1. Assessing the Health Care Package utilization in BPS under PMJAY and its barriers and facilitators, Burn and Plastic Surgery
2. Creation of Center of Excellence with ICMR Collaboration at BPS, Burn and Plastic Surgery
3. Evaluation of Medical certification of death at AIIMS and to prepare a training programme, Department of CCM
4. National Capacity Building Programme on Oxygen Management, MoHFW

Completed

1. Facilitation of IT enabled training for generating skilled HCWs in COVID-19 pandemic management, Department of Physiology, Psychiatry under aegis of MEITY, Govt of India

RESEARCH OVER PAST 3 YEARS:

Research Projects	2022–2023	2023–2024	2024–2025
Total funded projects	03	11	**09**
Total funding (PI)	Rs 313 Lakhs	Rs 9,75.03 Lakhs	**Rs 7,93.74 Lakhs**

Publications

Journals: 10

Publications over past 3 years

ITEM	2022–2023	2023–2024	2024–2025
Total	**47**	**23**	**10**
Journal articles	29	21	**10**
Abstracts	03	01	**-**
Chapters in Books	15	01	**00**
Books	00	00	**00**

AWARDS, HONOURS AND SIGNIFICANT EVENTS:

Professor Sidhartha Satpathy was nominated by Hon'ble Governor of Uttarakhand as a Member of Board of Governors (BOG) of Swami Rama Himalayan University, Dehradun, Uttarakhand. He was Member of Project Review & Steering Group (PSRG) Committee under project entitled "Facilitation of IT enabled training for generating skilled HCWs in COVID-19 pandemic management under aeigis of MEITY, Govt of India. (Project was completed in October 2024). He participated as Member of the Task force constituted by orders of Hon'ble High Court of Delhi for improvement of health services in Delhi. He Contributed to development of BIS standards as Member of (a) Health Informatics Sectional Committee (MHD-17); (b) Hospital BMW management Infection Control Sectional Committee (MHD-21) under the aegis of MHD Sectional Committee-Medical equipment & Hospital Planning Committee, and Technical Textiles for Med tech applications Sectional Committee (TXD-36). He was Chaired Scientific Session and moderated the Panel Discussion on "Accreditation of BMW and SWM management in large tertiary care hospitals" during International Conference ISHWMCON-24 at KGMU, Lucknow, UP on 15-16 November 2024. He Participated as Subject Expert for selection of Medical Superintendent and Assistant Professor Hospital Administration at AIIMS Jodhpur (19-07-2024), Medical Superintendent, AIIMS Bilaspur (11-10-24 & 25-02-25), Asst Prof (HA) for CAPFIMS on 22 October 2024 (AIIMS new Delhi); APS of Addl Professor (Hosp Admn) at AIIMS Bhopal (23-12-24) etc. He was Member of the Central Co-ordination Team (CCT) of ICMR Funded project for INCLEN Trust. He was nominated as Member in National Oversight Committee (NATCOM) for Pradhan Mantri National Dialysis Program (PMNDP). He was Expert Member of Board of Studies (BOS) for Hospital Management & Administration at SGPGI, Lucknow, School of Health Sciences, IGNOU, and Jamia Milia Islamia, New Delhi. He Contributed as Member of Building Committee of National Brain Research Institute (NBRI) for shortlisting of Architect for undertaking further development works. He Continued as Expert member of Academic Audit Committee of IIHMR University for improvement of Academics and Research as mandated by University Grants Commission. He was nominated at Member, National Editorial Board of JPMER, the official Journal of Post Graduate Institute of Medical Education & Research, Chandigarh. He Continued as Advisor, Editorial Committee of JAHA and Reviewer for NMJI, WHO-SEAJPH, IJCM etc.

Dr Vijaydeep Siddarth received First Prize (Rs. 75000) at "Safe-a-Thon" Challenge at 12th International Patient Safety Conference organized by Apollo Hospitals at Bharat Mandapam, New Delhi for developing Novel IT Based Patient fall Prevention Solution. He received Second prize during Patient Safety Week at AIIMS New Delhi for research work "A cross-sectional study to analyse the various factors influencing Patient Safety Incident Reporting at a Tertiary Care Hospital in North India". He was Expert member for Joint Commission International Pathways Initiative on patient safety. He was Expert Member to conduct comprehensive review of the functioning of National Medical Services and Jigme Dorji Wangchuk National Referral Hospital, Bhutan on behalf of WHO SEARO from 29 April to 3 May 2024. He was Expert member for developing comprehensive National Curriculum for Infection, Prevention and Control organized by National Centre for Disease Control under Ministry of Health & Family Welfare, Government of India. He was Member of the committee to review the designs of Medical Research Centre (MRC) being established at. He was Member of Technical Advisory Committee (TAC) to review the research proposal "To study curriculum the waiting time and referral system of IPD and OPD patients at various government hospitals of Delhi and suggest interventions for its improvement". He was

Expert on curriculum designing for MHH 014 course for MBA in Healthcare and Hospital Management of IGNOU. He was Editor for various course units for MBA in Healthcare and Hospital Management of IGNOU. He was member of Expert Committee – Delhi Oxygen Management. He was Member of committee convened by Disaster Management Cell, Ministry of Health & Family Welfare, Government of India to develop training plan for medical officers in management/ use of oxygen systems to ensure emergency preparedness and improved service delivery. He was Organized 2nd National Expert Advisory Group Meeting on creating a capacity building programme for Doctors & Hospital Engineers in Disaster Resilient Hospitals under a project funded by Ministry of Health & Family Welfare, Government of India in October 2024 at New Delhi. He Organized the 1st Meeting of the National Capacity Building Project in Medical Oxygen Management for finalizing the training curriculum with support of MOHFW, GOI. He was External Examiner for PGDM at NIHFW, New Delhi.

Dr Parmeshwar Kumar was Temporary advisor to WHO, EMRO for capacity building programme for Human Resources Management for hospital managers. He was Member, Expert Advisory Group for drafting "AIIMS Guidance Document of Preparedness for Infection Prevention and Control including Biomedical Waste Management during public health emergencies" for secondary and tertiary care facilities. He was Member, National Expert Advisory Group Meeting on creating a capacity building programme for Doctors & Hospital Engineers in Disaster Resilient Hospitals under a project funded by Ministry of Health & Family Welfare, Government of India.

Dr Abdul Hakim Choudhary was Member of National Fire safety committee to address fire safety issues in Hospitals and Nursing homes. He Conducted Kaya Kalp peer assessment at PGI, Chandigarh and NITRD, New Delhi. He Coordinated and facilitated third party fire safety Audit at AIIMS, New Delhi. He was Member of fire safety committee for organizing Pan- India Fire safety week w.e.f 21-26 April 2025.

Dr Jitender Sodhi was awarded a letter of appreciation by the Director, Symbiosis Law School, Pune for participating as a Resource Faculty (through online mode) in a Focus Group Discussion on Legal and Ethical framework in Healthcare Sector on 18 October 2024 organized by Symbiosis Law School, Pune. He was awarded a letter of appreciation by the Director, Symbiosis Law School, Pune for participating as an Expert in a groundbreaking Consultative Workshop on Healthcare Law from 16-17 January 2025 organized by Symbiosis Law School, Pune. He was member of the Specialists Board in Health Administration including Hospital Administration of National Board of Examinations. He was member of the Departmental Academic Committee& Inquiry Committees, and TSECs at AIIMS. He was Member of the AIIMS Annual Report Editing Committee. He was Member of the Review Committee for Research Directory of Faculty and Scientists of AIIMS. He was Contributed as faculty in-charge, Hospital Establishment in quality of administrative proposals related to leave matters and disciplinary proceedings of employees being put up on the file. He was Faculty-in-charge for all the court cases of Main Hospital. He Contributed to the ongoing initiative of a digital library of court cases of Main Hospital and added few new fields of outcomes to it. He contributed as a Resource Faculty during Soft Skills Training Programme for the PCCs and PCMs at New RAK OPD, and ANS promotional Induction training at AIIMS, New Delhi.

Dr Sheetal Singh Attended Conclave & Refresher Course on 6th edition of NABH Hospital Standards as an NABH Assessor held in November 2024 in New Delhi.

Dr Anant Gupta received DMA Distinguished Service Award. He Member Secretary and Project Officer of Infectious Disease and Critical Care Block, Space Allocation Committee at JP NA Trauma Center. He was Member of TSEC in various Depts and SPC of JPNATC, and Main Hospital; Medical Record Committee at Trauma center. He Contributed as Guest/visiting Faculty for taking Lectures for MBA (HM) program at IIM Jammu, and HMA trg prog at IICM, Ranchi. He Contributed to NABH Accreditation program as Assessor of several hospitals during this year. He was Officer Incharge of Procurement CAPFIMS. He was Planning and Designing of CBRN Facility, new OPD, Solid Organ transplant center at Trauma Center. He was Nodal person at JPNATC for Containment of Vector Borne Diseases. He was Member in Implementation of Good Samaritan Scheme, and Quick Response Teams. He was Member of Department Academic Committee in Hospital Administration. He was Officer Incharge Outsourcing Cell.

Dr Mohammad Kausar was Member of the Expert Advisory Committee for the project "Capacity Building of Doctors and Hospital Engineers in Structural and Non-Structural Mitigation Measures for Hospital Safety and Disaster Resilience"- funded by the Disaster Management Cell, Ministry of Health and Family Welfare, Government of India.

Dr Nishant Sharma was organizing Secretary for AIIMSONIANS & AUE Symposium organized at AIIMS New Delhi from 23-25 January 2025. He was appointed as BIDA International Advisor by British International Doctor's Association, United Kingdom. He was Member of the Committee constituted by NITI Aayog to prepare a roadmap to make AIIMS a worldclass medical institute in medical research and practice. He was faculty of Coal India Limited: Conducting the training programme on Hospital Management and Administration for Medical Professionals of Coal India Limited at Indian Institute of Coal Management, Ranchi, NIHFW: PGDM and induction programme for CHS doctors. Induction training programme for newly joined residents at AIIMS, New Delhi. He was Member Secretary and Member of numerous committees at Main Hospital and at Institute level. He was Member of the team that won the first prize at Safe-a-thon organized during 12th

IPSC for developing innovative solution on 'Prevention of Patient Falls'. He was Member of the Committees that formulated the guidelines for all INIs under the MoHFW: He was member of Management and Quality Assurance of Outsourced services. He was Inter – AIIMS Referral Network: A Comprehensive Framework for Optimizing Tertiary Healthcare. Nodal Officer for Inter-AIIMS referral Portal for seamless referral of patients from AIIMS Bilaspur. He was represented AIIMS at 3 rounds of presentations at 16th Healthcare Excellence Awards 2024 where AIIMS won the Certificate of Appreciation for Excellence in Patient Safety & Care (Public Hospitals). Nodal Officer for development and implementation of Online Grievance Redressal Mechanism – SANTUSHT. He Organized National-level consultation for developing standardized reporting formats for adverse events related to patient safety. He was Organizing Co-Chairmanfor the International Patient Safety Week organized at AIIMS New Delhi from 17-23 September 2024. He was Empaneled as Assessor for the NABH Entry-level Certification Programme for Healthcare Organizations. He was Member of the Taskforce constituted by Hon'ble High Court of Delhi to oversee the implementation of Dr. Sarin Committee's recommendations in hospitals under GNCTD and MCD. He was Member of the delegation sent to Uttarakhand for the gap analysis and recommendations on the public health infrastructure of their state.

9.18 Laboratory Medicine

Professor and Head

Sudip Kumar Datta

(w.e.f. 1 July 2024)

Additional Professor

Shyam Prakash

Associate Professors

Suneeta Meena

Tushar Sehgal

Assistant Professors

Ashok Kumar Ahirwar

Rojaleen Das

Upinder Mahey

(on contract from 5 March 2025)

HIGHLIGHTS

In a landmark achievement, the Department of Laboratory Medicine successfully underwent NABL assessment on 28–29 September 2024 for first-time accreditation under ISO 15189:2022. Functioning 24×7 and handling over 9,000 samples daily across four sections from two physical locations, the department applied under the Very Large Laboratory category with an approved scope of 263 tests and 12 authorized signatories. The department also serves as the back-up of all other laboratories trying to get accreditation. This accreditation journey, meticulously executed through a structured roadmap, marks a major stride towards excellence in quality assurance and diagnostic services at AIIMS Delhi.

The department remains the mainstay of laboratory testing in the institute with a 24x7 state-of-the-art fully automatic integrated **Smart Lab** at the New RAK OPD complex and a 24x7 **Ward and Emergency Lab** in the 2nd Floor Emergency and ward Block having a Dry Chemistry Laboratory Automation platform, Automated Hematology and Coagulation Analyzers. The **Central Collection facilities** at Old RAK and New RAK OPD are operational from 8:00 AM to 6:30 pm and facilitate sample collection as a walk-in process without appointments. All reports from the department are available online and within a short turn-around time.

In a significant achievement, one of our PG residents, Dr. Hemapriya Jayaranga Babu was awarded Second Place in the Student Poster Competition at the American Association of Diagnostics and Laboratory Medicine (ADLM) 2024 at Chicago, USA.

Summary of achievements:

	2024-25	2023-24	2022-23
Total Number of tests done in the department	More than 22 million	More than 20 million	More than 18 million
Funded Projects	13	15	14
Collaborative projects	25	51	35
Publications	34	50	30
Oral papers and Posters	36	21	23
Invited lectures/ Talk	27	22	19
Abstracts Published	17	19	11
Students awarded MD	01	05	02
Students awarded PhD	01	01	01

EDUCATION

Please mention any changes in the teaching programs during the year and innovative educational activities (innovations and changes made to previous years):

The residents' posting schedule for the MD Lab Medicine program started extensive lab exercises on techniques and interactive discussions through equipment such as PCR, real-time PCR, and HPLC for the training of postgraduate residents in the department. Discussion of internal quality control and discussion on EQAS with postgraduate residents have also been incorporated.

CMEs/Workshops/Symposia/National and International Conferences

1. Organized multiple in-house training sessions for ISO15189: 2012 and 2022 versions
2. ACBI-Subbarao Oration Award on 15 April 2024 at AIIMS, New Delhi
3. Organized Guest Lecture by International Faculty by Prof Jay Kalra during 5th National Conference of ICMLS, 16-17 November 2024 at AIIMS, Delhi
4. Organized conference of the Indian Academy of Biomedical Sciences, North Zone, at AIIMS, New Delhi on 5-6 August 2024

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 26

Sudip Kumar Datta: 14 **Shyam Prakash: 2** **Suneeta Meena: 1**

Tushar Sehgal: 8 **Rojaleen Das: 1**

Sudip Kumar Datta

1. Acute Kidney Injury, MELAP Diagnostic Week, 1-7 April 2024, Online, Delhi
2. Metabolic Syndrome : Recognizing Red Flags at an Early Stage, CAHO Lab CON 2024, 5 April 2024, Kolkata, India
3. Management of metabolic syndrome through yoga, CME on Yoga, 11 September 2024, MDNIY, Delhi, India
4. Vit-D Receptor variants and their role in Lead Toxicity, Lead CON 2024, 23 October 2024, Delhi, India
5. Molecular Diagnostics: moving towards precision medicine, CME: Precision Medicine in Department of Biochemistry, LLRMC, 8 November 2024, Meerut, India
6. Role of Vit-D Receptor polymorphisms in health and disease: Moving towards Precision Medicine, 50th ACBICON 2024, 5-7 December 2024, Chandigarh, India
7. Moderated Panel Discussion on: Laboratory accreditation in government setups: Challenges and solutions, 50th ACBICON 2024, 5-7 December 2024, Chandigarh, India
8. Panelist: Biological Reference Intervals, 50th ACBICON 2024, 5-7 December 2024, Chandigarh, India
9. Comprehensive Interventions for Minimizing Preanalytical Laboratory Errors, One Day Preanalytical Workshop: AEH Hospitals, Maldives, 12 December 2024, Online
10. Setting up of SMART Lab and total laboratory automation , CME on Recent advances in Diagnostics", 16 December 2024, PG ICH Noida, UP
11. Moderated Panel Discussion on: Optimize, Innovate, Sustain: Advancing Lab Stewardship, 31st AMBICON, 19-21 December 2024, Ahmedabad, Gujarat
12. The ABCs of lab set up: What to expect on the opening day, 11th ACCLMPCON, 11-12 January 2025, Guwahati, India
13. Total Lab Automation**,** South Zone ACBICON 2025**,** 24-25 January 2025, Puducherry, India
14. Ethical issues in Laboratory Medicine in EQAS, CAHO Diagnosticon 2025, 8-9 February 2025, New Delhi, India

Shyam Prakash

1. Metabolic reprogramming and epigenetic perspective from steatohepatitis to hepatocellular carcinoma, XIIIth Annual Meeting of the Indian Academy of Biomedical Sciences 2025, 11-13 February 2025, AIIMS, Bhopal

2. A perspective of transfer RNA-derived RNA fragments and mitochondrial functioning in metabolic dysfunction-associated steatohepatitis liver disease, National conference cum workshop on Sustainable Biotech Solutions for Global Challenges, 17 February 2025, Convention Centre Jamia Hamdard, New Delhi

Suneeta Meena

1. Key needs to enable an effective start of implementation of the framework in India i.e. strengthening bio-risk mitigation and DUR governance taking into account your specific contexts and settings, Global guidance framework for the responsible use of life sciences: mitigating bio risks and governing dual-use research (DUR) WHO Science division, 3 December 2024, Webinar

Tushar Sehgal

1. Exploring AI in Haematology, International conference AI fusion, 29-30 March 2024, Baroda
2. Global hemostasis in coagulation, CME in coagulation at Delhi Society of Hematology (DSH), 8 September 2024, Delhi
3. Quality control in hematology, ICMLS-2024, 16 November –17 November 2024, Delhi
4. ADAMTS13 Assay, CME in Coagulation Disorders, 19 January 2025, Jaipur
5. Stream lining health care services using interfacing devices, International conference on recent advances in Medical Diagnostics from Chemical to AI, 19–21 February 2025, ARSD College Delhi University
6. Von Willebrand Disease, CME on Coagulation Disorder, 7 March 2025, Hyderabad
7. Bleeding in normal coagulation, CME on Coagulation Disorder, 7 March 2025, Hyderabad
8. ADAMTS13 assay, CME on Coagulation Disorder, 7 March 2025, Hyderabad

Rojaleen Das

1. Antibiotic Stewardship in Trauma Surgery patients, National Board of Education Webinar (Dr Rojaleen), 22 March 2025, Online

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
15	22	26

List of oral papers/posters presented: 36

1. Akanksha Priya, Shalimar, R Aasarey, Priyatma, N K Vikram, Medha, S Khan, P Das, S Prakash, Modalities for the identification of non-invasive scores and its correlation in assessment of Non-Alcoholic Steatohepatitis patients, XIIIth **Annual International conference of the Indian Academy of Biomedical Sciences**, 11-13 February 2025**,** Department of Biochemistry, AIIMS Bhopal
2. Ginni Bharti, Suneeta Meena, Rojaleen Das, Veena Baloni, Shalini Singhal and Shakeel Ahmed, Congenital Rubella Syndrome: A vaccine preventable diseases continue to footle in a post pandemic era, IABS, 28 November 2024, Delhi, India
3. Islam T Javed, Sharma M, Medha, Seth T and Prakash Shyam, Interaction of Superoxide Dismutase in Sickle Cell Disease Variant Patients, XIIIth **Annual International conference of the Indian Academy of Biomedical Sciences,** 11-13 February 2025**,** Department of Biochemistry, AIIMS Bhopal
4. Hemapriya J, Arulsel S, Shalimar, Naval Vikram K, Pandey Shivam, Meena Suneeta, Prakash Shyam, Association of GATA-4 and Platelet Derived Growth Factor-B in Metabolic (dysfunction) Associated Fatty Liver Disease **(Poster Award)**, American Diagnostics and Laboratory Medicine, 28 July -04 August 2024, Convention Centre, Chicago, USA
5. Medha, Khan S, Priyatma, R Aasarey, Sharma M, Pandey S, Vikram NK and Prakash S, Association of omega-3 and omega-6 fatty acids in Metabolic Associated Steatohepatitis Disease (MASLD) patients, XIIIth **Annual International conference of the Indian Academy of Biomedical Sciences**, 11-13 February 2025**,** Department of Biochemistry, AIIMS Bhopal
6. Medha, Khan Shahid, Priyatma, Aasarey Ram, Priya Akanksha, Vikram NK, Pandey S, Prakash Shyam, Association between serum 25-hydroxy vitamin D and hepatic progression in MASLD patients, Indian Academy of Biomedical Sciences – North Zone 2024, 05-06 August 2024, Department of Laboratory Medicine, AIIMS New Delhi

7. Saroj M, Sharma Meenakshi, Vikram Naval K, Pandey S and Prakash Shyam, An Assessment of dietary evaluation and antioxidant vitamins level in patients with Metabolic Syndrome, Indian Academy of Biomedical Sciences – North Zone 2024, -6 August 2024, Department of Laboratory Medicine, AIIMS New Delhi

8. Naagar S, Arulselvi S, Mahajan S, Subbiah AK, Anuj, Datta SK, Evaluation Of The Role Of Vitamin D Receptor (VDR) Polymorphisms OnThe Efficacy Of Calcitriol Therapy In Stage 3 To 5 Chronic Kidney Disease (CKD): A Prospective Double-Blind Study, 50th ACBICON 2024, 5-7 December 2024, Chandigarh, India1

9. Priyatma, Vikram Naval K, Shalimar and Prakash Shyam, Aggravation of reactive oxygen species with CD163 in patient with HCV infection, XIIIth **Annual International conference of the Indian Academy of Biomedical Sciences**, 11-13 February 2025**,** Department of Biochemistry, AIIMS Bhopal

10. Akanksha Priya, Prakash S, Shalimar, Das Prasenjit Das, Ranjan Abhishek Ranjan, Aasarey Ram Aasarey, Role of Machine Learning Models in Assessing NAFLD Fibrosis and Cirrhosis in Comparison to the Non-invasive scores and Biomarkers in Indian patients, Indian Academy of Biomedical Sciences – North Zone 2024, 5-6 August 2024, Department of Laboratory Medicine, AIIMS, New Delhi

11. Aasarey Ram, Prakash Shyam, Priyatma, Medha, Khan Shahid, Akanksha, Bridging between Prokineticins and T-reg cells in obesity-associated metabolic oxidative dysregulation in NAFLD, Indian Academy of Biomedical Sciences– North Zone 2024, 05-06August 2024**,** Department of Laboratory Medicine, AIIMS New Delhi

12. Aasarey Ram Priyatma, Khan Shahid, Medha, Vikram NK, Shalimar, Prakash S, Role of Oxidized LDL in conjunction with prolidase activity and glycoprotein non-metastatic melanoma protein B expression in NAFLD-associated HCC, XIIIth **Annual International conference of the Indian Academy of Biomedical Sciences,** 11-13 February 2025**,** Department of Biochemistry, AIIMS Bhopal

13. Das Rojaleen, Ahmed Nizam, Das Bharat, Farooque Kamran and Mathur Purva, Characterization of *Klebsiella*isolates from Trauma Patients: Implications for Infection Control and Treatment, Trauma Conference, 28-30 November 2024, Colombo, Srilanka

14. Khan Shahid Khan, Priyatma, Medha, Vikram NK, Pandey S, Ganie Md A, Prakash S, Mitochondrial dysregulatory molecules in PCOS and diabetic patients, XIIIth **Annual International conference of the Indian Academy of Biomedical Sciences**, 11-13 February 2025**,** Department of Biochemistry, AIIMS Bhopal

15. Srivastava Saumya, Datta Sudip K, Bhandari Milan, Sagar Milind, Sikka Kapil, Validation and Performance Evaluation of Mobilab: A Portable Point-Of-Care Battery Operated IOT Enabled Device for Screening of Metabolic Disorders, 4th Research Day, AIIMS, 29-30, January 2024, Delhi, India2

16. Meena Suneeta, Kumar Dinesh, Verma Devendra K, Kumar Arun, Agarwal Sanjay K, Prakash Shyam, Priyatma, Meena Jitendra Kumar, Mathur Purva, Modification in DNA extraction method for detection of Microsporidia in clinical stool samples, Biotech frontiers 2025, 21-22 March 2025, Dehradun, India

17. Prakash Shyam, Bridging between prokineticins expression and Treg cells in obesity-associated metabolic oxidative dysregulation in MAFLD, American Society of Cell Biology (ASCB 2024), 14-18 December 2024, San Diego, USA

18. Meena Suneeta, Srivastava Saumya, Immaculata Xess, Dhawan Rishi, Naranje Priyanka, Prakash Shyam, Purva Mathur, T Velpandianet al, Comparison of triacetylfusarinine C and galactomannan in urine for diagnosis of invasive aspergillosis, MICROCON 2024, 21Nov 2024, Pune, India

19. Dash Suvashis, Hathi Preet, Das Rojaleen, Parekh Aparna, Singhal Maneesh, Challenges and Strategies in Breastfeeding Management for Acute Burn Patients: Proposal of a Case- Based Classification, 2024 ISBI/BBA Congress, August 18-22, 2024, Birmingham United Kingdom

20. Sehgal Tushar, Stream lining health care services using interfacing devices, International conference on recent advances in Medical Diagnostics from Chemical to AI, 19-21 February 2025, ARSD College, Delhi University

21. Sehgal Tushar, Assessment of the NABL guideline of biomedical waste management in clinical laboratory, CliCON –OEH 2025, 25–28 February 2025, Ahmedabad

22. Mishra Chandan, Das Rojaleen and Meena Suneeta, Comparison of anti-microbial susceptibility of *Pseudomonas aeruginoasa* causing community and hospital acquired Urinary Tract Infection – At a tertiary care hospital, Indian Association of Medical Microbiologists, 7 May 2024, New Delhi, India

23. Sehgal Tushar, Verma Bhoj Raj, Waste education is not a waste, CliCON –OEH 2025, 25–28 February 2025, Ahemedabad

24. Sehgal Tushar, Evaluation of the flagging performance of the hematology analyzer (Sysmex XN series) on the basis of Q values, ITM university, 29-30 March 2024, Baroda, Gujarat

25. Sehgal Tushar, Bharti Ginni, Tapasyapreeti M, Chandan M, Nayer Jamshed, Menon Geetha, An assessment of HIS in emergency settings: Focussing on a new element of patient safety, Research day, 30 January 2025, AIIMS, Delhi
26. Sehgal Tushar, Ginni Bharti, Anand Ambika, Gawtham V, Maroof K, Soluble urokinase plasminogen activator receptor: A useful marker in the prediction of mortality in patients with COVID-19, Research day, 30 January 2025, AIIMS, Delhi
27. Sehgal Tushar, Bharti Ginni, Quantification of RBC fragmentation by the automated hematology analyzer, Research day, 30 January 2025, AIIMS, Delhi
28. Upender S, Prakash S, Potential role of ROS and signalling of Nrf-2 gene and its expression in Polycystic ovarian syndrome, 4th CAHO Diagnosti Con, 8-9 February 2025, Eros Hotel, New Delhi
29. Patel Vidhi, Datta Sudip, Utilization of Thyroid Function Test Results In an Apex Tertiary Care Teaching Hospital, 11th ACCLMPCON, 11-12 January 2024, Guwahati, India
30. Mishra Chandan, Meena Suneeta, Mathur Purva, Molecular characterization of carbapenem resistance in isolates causing UTI at an outpatient setting of a tertiary care hospital, CAHO diagnosticon, 10 February 2025, New Delhi
31. Datta Kumar Sudip, Mahajan Sandeep, Naagar Shilpa, Rani Lata, Jinger Pradeep, Karmakar Subhradip, Genotypic characterization of Autosomal Dominant Polycystic Kidney disease (ADPKD) in Indian population: a pilot study, IFCC World Lab 2024, 25-30 May 2024, Dubai, UAE
32. Verma Devendra K, Meena Suneeta, Kumar Dinesh, Kumar Arun, Agarwal Sanjay K, Prakash Shyam, Priyatama, Meena Jitendra K, Mathur Purva, Experience of intestinal Microsporidia infections in renal transplant recipients at a tertiary care hospital, Research Day AIIMS Delhi, 30 January 25, New Delhi
33. Bharti Ginni, Arulselvi S, Trikha Vivek, Mittal Samarth, Datta Sudip Kr, Sehgal Tushar, Malhotra Rajesh, Study of the serum complement C3 and C4 levels in patients undergoing intramedullary nailing for fracture shaft femur, IFCC World Lab 2024, 25-30 May 2024, Dubai, UAE
34. Ginni Bharti, Meena Suneeta, Das Rojaleen, Baloni Veena, Singhal Shalini and Ahmed Shakeel, Trends in Seropositivity of Hepatitis A virus: A laboratory based retrospective study, National Hepatitis Conference, 7 November 2024, ILBS Delhi

1. ACBICON Travel Award, awarded to Ms Shilpa Naagar, SRF, ICMR Project
2. Commendation award in SDG-3 Category

Total number of oral/poster presentations

Presentation	2022–2023	2023–24	2024–25
Oral/poster	23	21	36

RESEARCH

Funded

Ongoing

1. A Two-Arm Longitudinal Randomized Control Trial to Evaluate the Bone Protective Role of an Ayurveda Formulation in Postmenopausal Females, Dr. Ashok Kumar Ahirwar, AYUSH-ICMR, New Delhi, 3 Years, 2025-2028, Rs 197.19 Lakhs
2. Analytical performance of automated nucleic acid extraction system for gastrointestinal infections, Dr. Suneeta Meena, ICMR, 3 Years, 2024-2027,
3. Centre for Advanced Research: Precompliance and clinical validation of implantable and diagnostic devices (Otorhinolaryngology, Ophthalmology, and orthopaedics), Dr Kapil Sikka (PI-Coordinator AIIMS), Dr Sudip Kumar Datta (PI-Diagnostics), ICMR, 5 Years, 2024-2029, Rs 515.18 Lakhs
4. Characterization and expression of transfer RNA-derived small RNAs as a circulating biomarker for disease diagnosis and prognosis in NAFLD, Dr Shyam Prakash, ICMR, 3 Years, 2022-2025, Rs 65.5 Lakhs
5. Clinical Performance Evaluation of a Thyroid Stimulating Hormone (TSH) test kit for Point of care settings, Dr Sudip Kumar Datta, M/s Vidcare Ltd through CMIE, 2 Years, 2024-2025, Rs 3.70 Lakhs

6. Comparison of gut microflora of different age groups of geriatric population on long term Non-Steroidal Anti-Inflammatory Drugs and healthy geriatric population, Dr Rojaleen Das, AIIMS, 2 Years, 2024-2026, 10 Lakhs
7. Development of a SERS based portable device for detection of urinary and salivary cotinine to monitor the compliance towards tobacco abstinence, Dr Sudip Kumar Datta (PI-AIIMS) & Dr Satish Dubey (PI-IITD), DBT-BME, 3 Years, 2024-2027, Rs 170.92 Lakhs
8. Establishment of rapid assay for ADAMTS13 activity to enable the diagnosis of congenital or acquired TTP, Tushar Sehgal, AIIMS, DELHI, 2 Years, 2024-2026, Rs 20 Lakhs
9. Evaluation of Artificial neural network for differentiating Iron deficiency anemia and β-Thalassemia trait in comparison to the conventional methods, Tushar Sehgal, ICMR, Delhi, 2 Years, 2022-2025, Rs 23 lakhs
10. Evaluation of salivary biomarkers as compared to established serum biomarkers in predicting pre –eclampsia: A nested case control study, Dr. Ashok Kumar Ahirwar, AIIMS, Delhi (Intra mural Project), 2 Years, 2024-2026, 10 Lakhs
11. Evaluation of the role of Vitamin D receptor (VDR) polymorphisms on the efficacy of calcitriol therapy in stage 3 to 5 chronic kidney disease: A prospective double-blind study: Funded by ICMR, Dr. Sudip Kumar Datta, ICMR, 3 years 6 months, 2021, -2025, Rs 53.97 Lakhs
12. Molecular interaction of iron trafficking gene variants with mitochondrial dysfunction in metabolically associated fatty liver disease, Dr Shyam Prakash, ICMR, 3 Years, 2022-2025, Rs 55.5 Lakhs
13. Rapid diagnostic evaluation of Micro PCR for Hepatitis B virus DNA quantitation, Dr Shyam Prakash, BigTech Bangalore, 6 Years, 2017-2025, Rs 52 Lakhs
14. Task force to establish reference interval in Indian population, Tushar Sehgal, ICMR, Delhi, 2, 2025, 2027, 1.4 Crore

Completed

1. An expensive and rapid diagnostic method for detection of SARS COV-2 and COVID -19 RNA by loop mediated isothermal amplification (LAMP), Dr Shyam Prakash, Intramural AIIMS, 3 Yeas, 2020-2023, Rs 10 Lakhs
2. Development and validation of Standalone meter for non-invasive salivary glucose quantification, Dr Shyam Prakash, BIRAC (DST), 2 Years, 2022-2024, Rs 10 Lakhs
3. Evaluation of EIP in PUO and its correlation with functional imaging and conventional inflammatory parameters, Tushar Sehgal, Sysmex, India, 2 Years, 2022-2024, Rs 13 Lakhs
4. Evaluation of Rapid TEG in predicting acute trauma induced coagulopathy in severe TBI, Tushar Sehgal, AIIMS, Delhi, 2 Years, 2022-2024, 5 Lakhs
5. Molecular coordination of T-regulatory cells and Prokineticins in obesity and their clinical correlation in obesity associated inflammation in non-alcoholic fatty liver disease and metabolic syndrome, Dr Shyam Prakash, ICMR, 3 Years, 2021-2024, Rs 75.87 Lakhs
6. Triacetylfusarinine C in urine as a potential biomarker for diagnosis of invasive aspergillosis in hematological malignanacy patients, Dr Suneet Meena, Intramural AIIMS, 3 Years, 2022-2025, Rs 9 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Association of Vitamin D Receptor Gene Polymorphisms with Severity In Dengue Fever Amongst North Indian Adults
2. Carbapenem Resistance in *Pseudomonas aeruginosa* Causing Urinary Tract Infections at a Tertiary Care Setting
3. Comparative analysis on free radical scavenging efficiency in Sickle Cell anaemia patients from diverse geographical regions and insights into the link with iron homeostatic mechanism
4. Comparision of Urine Galactomannan with serum galactomannan for Diagnosis of Invasive Aspergillosis in Patients of Hematological Malignancy
5. Comparison of antimicrobial susceptibility in isolates causing UTI at inpatient and outpatient setting
6. Evaluation Of Blood and Urinary Biochemical Parameters In Autosomal Dominant Polycystic Kidney Disease And Comparison With Healthy And Disease Controls

7. Evaluation of coagulation status in post partum patients in a tertiary care hospital
8. Evaluation of Extended inflammatory parameters for early identification of bacterial sepsis using automated CBC analyser
9. Identification of transcriptomic, lipidomic, and mitochondrial challenges in NAFLD and HCC
10. Impact of teleomere length in reprogramming of glycolytic mediated mitochondrial oxidation in metabolic dysfunction associated steatotic liver disease related hepato cellular carcinoma.
11. Molecular characterization of transfer RNA derived RNA fragments and expression of mitochondrial fusion proteins in Non-alcoholic fatty liver disease.
12. PCOS and its correlation with Vitamin B1, Sex hormone binding globulin and PAI-1
13. Prevalence Of Microsporidia in patients with haematological malignancy and bone marrow transplant recipients
14. Role of Glucose regulated protein-78 and Fatty acid binding protein-4 in Non-alcoholic fatty liver disease and type-2 diabetes mellitus patients.
15. Serological assessment of Varicella Zoster Virus antibody titre in patients receiving Immunosuppressive therapy: Implication for vaccine response and Herpes Zoster Risk
16. Seropositivity of vaccine preventable diseases in healthcare workers
17. Study of Gut Microbiota in Post menopausal women

Completed

1. Association of GRP-78, Zinc, Iron and vitamin C levels in patients with COVID-19 and the occurrence of mucormycosis
2. CAP-53194, a novel predictive tumor inhibitor of polo-like Kinase- 1
3. Effect of varying concentrations of proteins and lipids on electrolyte measurement by direct and indirect ion-selective electrodes
4. Epidemiology of diarrhea among Children under 10 years of age- at a Tertiary care hospital
5. Evaluation of myelin loss and oligodendrocyte pathology in severe traumatic brain injury
6. Molecular coordination of Adropin, Irisin, preptin gene expression in metabolic syndrome and type -2 diabetes mellitus patients
7. Molecular expression and interaction between growth differentiation factor -15 (GDF-15) and nitric oxide regulatory genes in diabetes and metabolic syndrome
8. Molecular interaction of reactive oxygen species in mitochondrial dysfunction and nrf-2 gene expressions in polycystic ovary syndrome (PCOS)
9. Prevalence of Microsporidia in renal transplant recipients at a tertiary care hospital
10. Role of endothelial GATA 4 and Platelet derived growth factor-B in Metabolic associated Fatty Liver Disease
11. Role of Serum Matrix Metalloproteinase 7 Levels in Diagnosis and Prognostication of Infants with Extra-Hepatic Biliary Atresia
12. Structural and functional adaptation in renal, cardiovascular and bone mineral metabolism in living kidney donors: a prospective observational study

Collaborative projects

Ongoing

1. A Prospective Cohort study on Trajectories of Postpartum Weight Risk factor Associated with Weight Retention and its Relationship with metabolic Derangements Till 18 months, Gynecology
2. Advance centre for clinical evaluation of diagnostics of national importance, Department of Biophysics
3. Air Pollution impact on Pregnancy and Early childhood Development in India – (APiPED Cohort), Community Medicine
4. Assessment of eating behavior and nutritional chronotypology and its association with body composition and metabolic parameters in obese adults, Department of Medicine, AIIMS, New Delhi

5. Association of thyroid hormone resistance indices with steatotic liver disease, cardiometabolic risk factors and sarcopenia in Euthyroid Asian Indians with Type 2 diabetes: a cross-sectional study, Department of Medicine, AIIMS, New Delhi
6. Biochemical and enzymatic analysis of bile in choledochal cyst and correlation with histopathological features and expression of immune modulators, Department of Pediatric Surgery, AIIMS, New Delhi
7. Cabergoline as an adjunct to Ovalation Induction in infertile women with Endometriosis: An Open-Randomized Study, Gynecology
8. Determining cutoff for handgrip strength and muscle mass for sarcopenia in Indian adults: A multicenter study across 6 geographical zones, Department of Medicine, AIIMS, New Delhi
9. Effect of body composition on gait, balance and strength in obese individuals in comparison to non-obese individuals, Department of Medicine, AIIMS, New Delhi
10. Effect of nutrition intervention and physical activity on markers of ageing, metabolic derangement and inflammation among Indian adults with obesity: a prospective study, Department of Medicine, AIIMS, New Delhi
11. Effective of an anti inflammatory dietary intervention on inflammatory biomarkers in Coronary Artery Disease patients, Biochemistry
12. Effectiveness of an individualized lifestyle intervention in PCOS women who wish to conceive: a multicenter randomized controlled trial, Multicentric project
13. Evaluation of micro-RNA profiles in the follicular fluid of women with and without PCOS and their correlation with IVF outcomes: A case-control study, Department of Obstetrics and Gynaecology, AIIMS, New Delhi
14. Evaluation of prevalence, regional phenotypic variation, comorbidities, risk factors and the variations in response to different therapeutic modalities among Indian women with polycystic ovary syndrome (PCOS): A Multicenter study across India, Multi-centric project
15. Evolution of cerebral edema, blood-brain barrier disruption and its subsequent restoration, along with the comparison of equiosmolar solutions in pediatric traumatic brain injury patients, Department of Neurosurgery, JPN Trauma Centre, AIIMS, New Delhi
16. Explore the potential of Yoga Nidra (deep relaxation) in managing stress, a key contributor to inflammation and metabolic dysfunction among Indian adults with obesity, Department of Medicine, AIIMS, New Delhi
17. Gut Microbiota in children with moderate to severe Anaemia and its Response to Treatment, Gastroenterology
18. Identification of biomarkers, development of predictive equations and risk scores for Dynapenia, / sarcopenia in obese Indian adults with and without type 2 diabetes mellitus, Department of Medicine, AIIMS, New Delhi
19. Randomized controlled trial to compare the impact of costal expansion exercises and dietary intervention on lung function, rate of perceived exertion, and quality of life in obese individuals, Department of Medicine, AIIMS, New Delhi
20. Randomized Controlled trial to compare the impact of exercise and nutritional interventions on changes in skeletal muscle mass and function in obese patients with sarcopenia, Department of Medicine, AIIMS, New Delhi
21. Study of expression of hypoxia inducible factor and angiogenic cytokine in breast cancer patients receiving hyperbaric oxygen therapy in addition to neoadjuvant chemotherapy, Department of Surgical Discipline, AIIMS New Delhi
22. Study of the evolution of cerebral edema, neuroinflammation and blood-brain barrier disruption in pediatric traumatic brain injuries, Department of Neurosurgery, JPN Trauma Centre, AIIMS, New Delhi
23. To evaluate the personality traits and assess the impact of humanistic psychotherapy for trait-specific intervention on body composition and metabolic parameters in obese subjects, Department of Medicine, AIIMS, New Delhi
24. To evaluate the utility of novel molecular techniques (multiplex PCR, dipstick and NGS) for early identification of ESKAPE organism and antimicrobial profiling in burn wounds, Deptt of Burn and Plastic Surgery

Completed

1. A double-blind randomized placebo-controlled trial comparing genotype-guided standard dosing with a conventional dose escalation strategy of azathioprine in patients with ulcerative colitis, Department of Gastroenterology, AIIMS, New Delhi

2. Randomized controlled trial to compare the effect of dietary intervention and resistance exercises on changes in muscle strength, mass and function in Type-2 diabetes patients with Dynapenia and sarcopenia, Department of Medicine, AIIMS, New Delhi
3. Expression of Immune checkpoints (CTLA-4, PD-1, PD-L1), cytokines and T-reg cells in Lupus Nephritis, Department of Nephrology, AIIMS, New Delhi
4. Comparative evaluation of endocrine disrupter chemicals (organochlorine, organophosphate, Biphenyl A, Phthalate)in polycystic ovary syndrome, type-2 diabetes mellitus and healthy reproductive age Indian women, and their correlation with dietary habits (vegetarian Vs non-vegetarian) and genetic variability, Multi-centric project
5. Role of T- T-Regulatory cells (T-regs) in obesity and their clinical correlation in obesity associated inflammation in type 2 diabetes and chronic kidney disease (CKD), Department of Nephrology, AIIMS, New Delhi
6. To examine myelination and changes in oligodendrocytes in white matter pathology post-severe traumatic brain injury (sTBI) among humans, Forensic Pathology and Molecular DNA, JPNATC AIIMS, New Delhi
7. Comparison of dried blood spots and plasma samples for the quantification of amino acids using the HPLC method among inborn error of metabolism patients, Division of Genetics, Department of Paediatrics, AIIMS, New Delhi
8. Effect of parental presence on stress biomarkers, melatonin level and anxiety scores during induction of anaesthesia in children undergoing ophthalmic procedures. A randomized controlled trial, Department of Anesthesia, RPC AIIMS, new Delhi
9. Study of molecular and peripheral blood biomarkers and their utility to diagnose mild and moderate TBI-induced cognitive impairment, Department of Laboratory Medicine, JPNTC, AIIMS New Delhi
10. A study of the association of metabolic dysfunction-associated fatty liver disease (MAFLD) and dynapenia/ sarcopenia with cardio-metabolic risks, Department of Medicine, AIIMS, New Delhi

Publications

Journals: 25 **Abstracts: 05** **Chapters in Book: 01**

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024–2025
Total	**27**	**50**	**31**
Journal articles	26	30	25
Abstracts	--	19	05
Chapters in books	01	01	01
Books	--	--	--

PATIENT CARE

Central Collection Facility (Old RAK OPD and New RAK OPD)

Laboratory Services

S No	Blood samples drawn in Lab No 27 at New RAK OPD and Old RAK OPD	No of vials:
1	Blood Culture (Microbiology Room No. 2071)	11040
2	BLUE CAPPED	39665
3	clinical immunology (4093)	27490
4	Clinical Microbiology (HIVANDVIRAL MARKER)	19739
5	Clinical Microbiology (PCR)	3909

6	Clinical Microbiology (Torch Profile)	19264
7	ENDOCOLLECTION	9315
8	Grey-Capped	131469
9	HBA1c TUBE	12679
10	HEMATOLOGY (OPD)	6635
11	BT/CT	1013
12	Hematology (Trauma)	428
13	Hemolytic anemia	864
14	Clinical Path & Mol Immunol (HIP)	756
15	Lab Oncology (IRCH)	7940
16	Violet Cap (Hematology)	5297
17	Mycology (Fungal) Lab BC	1216
18	Mycology (Fungal) Lab BT	730
19	Mycology (2080)	2018
20	Parasitology lab subcenter	4313
21	RenalLab (Clinical Chemistry)	5431
22	Ward (Chemistry)	269
23	Reproductive Biology (Main Building 2nd floor, Room No. 20	318368
24	Serology Lab (Microbiology Room No. 24)	18800
25	Serology lab new (microbiology Room No:24)	98
26	Special pathogentests (anaerobiclabmic)	4362
27	Violet cap lab Haematology	251386
28	Virology Laboratory-Chikungunya	2934
29	Virology Laboratory-Dengue	4626
30	Blood Bank	9744
31	ESR	105283
32	YELLOW CAP (Chemistry)	270873
	TOTAL	**1297954**

Emergency Laboratory Services (Round the clock)

Clinical Biochemistry (Emergency and Ward 24x7 services)

Main Lab (2nd Floor)

Sl. No.	Test Name	
1	ALB	302968
2	ALKP	300359
3	ALTV	305223
4	AMYL	24311
5	AST	303539

6	BC	288724
7	BU	289310
8	CA	307099
9	CHOL	13392
10	CK	5554
11	CL-	311207
12	CREA	315911
13	GGT	308
14	dHDL	13022
15	dLDL	9057
16	FT3	7262
17	FT4	7303
18	GLU	22196
19	K+	319443
20	LDH	32020
21	LIPA	13607
22	NA+	316719
23	PHOS	295854
24	PROT-CSF	9020
25	TBIL	302777
26	TP	304565
27	TRIG	13936
28	TSH	13266
29	TT3	10280
30	TT4	10456
31	UREA	311133
32	URIC	295684
33	AFP	2295
34	bHCG	2908
35	CA125	1866
36	CA19.9	1910
37	CEA	1927
38	CKMB	6321
39	CORT	2580
40	iPTH	4616
41	Vit D3	7177
42	HbA1c	9592
43	ESR (April- December)	74659
44	tPSA	1917
45	Gentmycin	47
46	IgM	46

47	Phy	23
48	mALB	1415
49	ADA	0
50	Pleural fluid amylase	1267
51	BT/CT	1013
52	Chromogranin A	1052
Total No of test of all parameters		**5198136**

ABG test (Emergency and Ward 24x7 services)
Main Lab (2nd Floor) Total ABG Tests done 47284

Fluid Chemistry (Emergency and Ward 24x7 services) Main Lab (2nd Floor)

Sl. No.	Test Name	Total
1	U Sodium (Na)	433
2	U ACR	433
3	U Albumin	535
4	U Creatinine	433
5	U Proteins	0
6	U Urea	66
7	U Calcium	65
8	U Phosphate	48
9	U Uric Acid	48
10	U Potassium (K)	433
11	U Chloride (Cl)	433
12	U Lipase	12
13	U Amylase	12
14	U Glucose	554
15	U 24 Albumin	133
16	U 24 Proteins	0
17	U 24 Creatinine	133
18	U 24 Uric Acid	09
19	U 24 Calcium	09
20	U 24 Urea	12
21	U 24 Phosphate	09
22	U 24 Sodium	98
23	U 24 Chloride	98
24	U 24 Potassium	98
25	U24 Glucose	133
26	CSF Protein	9020
27	CSF Glucose	3264
28	CSF Albumin	544
29	CSF LDH	600
30	Pleural Fluid Glucose	1854

31	Pleural Fluid Protein	1854
32	Pleural Fluid Albumin	1854
33	Pleural Fluid Lipase	1267
34	Pleural Fluid LDH	1054
35	Ascitic Fluid Glucose	4350
36	Ascitic Fluid Protein	4350
37	Ascitic Fluid Albumin	4350
38	Ascitic Fluid Lipase	4125
39	Ascitic Fluid Amylase	4125
40	Ascitic Fluid LDH	3435
41	Pericardial Fluid Glucose	1044
42	Pericardial Fluid Protein	1044
43	Pericardial Fluid Albumin	1044
44	Pericardial Fluid Amylase	677
45	Pericardial Fluid LDH	465
46	Synovial Fluid Glucose	132
47	Synovial Fluid Protein	132
48	Drainage fluid (pus) TG	70
49	24 Hr-Urinary Citrate	252
50	24 Hr-Urinary Oxalate	252
TOTAL		**55395**
Grand Total		**53, 00,815**

Hematology Section

S. No.	TEST NAME	TOTAL
1	CBC	327592
2	RETIC COUNT	6493
3	PERIPHERAL SMEAR	45949
4	ESR	29235
5	PT/INR	158842
6	APTT	110312
7	D-DIMER	25329
8	FIBRINOGEN	25335
9	BODY FLUIDS	13463
10	PFT	62
11	IPF SAMPLES	5678
12	MPO	432
GRAND TOTAL		**748722**

Smart Lab Services

S. No	HEMATOLOGY	
1	CBC TLC RBC HGB HCT MCV MCHC PLT RDW NRBC NEUT LYMPHO MONO EO BASO ABSOLUTE N. COUNT ABSOLUTE L. COUNT ABSOLUTE M. COUNT ABSOLUTE E. COUNT ABSOLUTE B. COUNT	506778
2	Reticulocyte count - Abs	6568
3	PS for (Others)	22118
4	Fluid Total Cell Count	370
5	Fluid Differential cell count	341
6	CSF Total cell count	57
7	CSF Differential cell count	34
8	Lupus Anticoagulant Screen	591
9	PT,INR	79639
10	APTT	79366
11	TT	66
12	D Dimer	3036
13	Fibrinogen	1484
14	Protein C	1103
15	Antithrombin	497
	Total	**702048**
	SEROLOGY	
16	HIV Combo (HIV 1, 2)	546
17	Anti HAV IgM	24144
18	HBs Ag	106476

19	Anti HBs	44687
20	IgM Anti HBc	8763
21	Anti HCV Ab	106021
	Total	**290637**
	IMMUNOASSAY	
22	FSH	7132
23	LH	12651
24	Prolactin	7387
25	Testosterone	6760
26	Cortisol	9171
27	Estradiol	10300
28	Progesterone	9654
29	Insulin	12026
30	Intact PTH	69933
31	TSH (ultrasensnsitive)	222116
32	FT3	16089
33	FT4	17532
34	T3	219153
35	T4	219246
	Total	**839150**
	CHEMISTRY	
36	VLDL - C	208785
37	LDL-C	208921
38	HDL -C	208917
39	CHOL/HDL ratio	208966
40	LDL/HDL ratio	208876
41	Iron	101652
42	Transferrin	91269
43	Ferritin	130215
44	TIBC	96535
45	Vitamin B12	184912
46	Serum Folate	114332
47	IgG	18681
48	IgA	14041
49	IgM	13091
50	CRP	214441
51	hs CRP	4595

52	ASO	2326
53	RA Factor	24097
54	Complement C3	12113
55	Complement C4	11483
56	AFP	18702
57	Total PSA	9999
58	Free PSA	4344
59	Beta HCG	3382
60	Serum Proteins	254
61	OGTT-1 Hr	3287
62	OGTT-2 Hr	3918
63	Urine Protein	11309
64	Urine 24hr Protein	6727
65	Urine 24hr Albumin	4820
66	CSF Protein	73
67	CSF Glucose	69
68	CSF LDH	220
69	Fluid Protein	1750
70	Fluid Glucose	1627
71	Fluid LDH	1312
72	GGT	10306
73	Urine 24hr Urea	1412
74	Urine 24hr Creatinine	6091
75	Urine 24hr Calcium	3332
76	Urine 24hr Phosphate	2233
77	Urine 24hr Uric Acid	1218
78	Urine Urea	1092
79	Urine Calcium	2721
80	Urine Phosphate	1523
81	Urine Uric Acid	1004
82	Urine Sodium	3915
83	U Chloride (Cl)	2141
84	Urine Potassium	3272
85	Urine 24hr Sodium	1341
86	Urine 24hr Potassium	1285
87	Urine 24hr Chloride	929
88	Fluid Cholesterol	501

89	Fluid Triglyceride	750
90	Fluid Amylase	1431
91	Fluid Albumin	1656
92	Urine Protein	181
93	Urine Albumin	29792
94	Urine Creatinine	34026
95	Urine ACR	32460
96	HbA1c	183642
97	Glucose R	27900
98	Glucose F	120720
99	Glucose PP	54952
100	OGTT	3460
101	Urea	530381
102	Creatinine	530656
103	Uric Acid	564197
104	Calcium	564983
105	Phosphorus	564257
106	Sodium	530241
107	Potassium	530347
108	Chloride	530227
109	Magnesium	26385
110	Bilirubin (T)	562440
111	Bilirublin (D)	562373
112	Bilirubin (I)	562517
113	ALT	562414
114	AST	562364
115	ALP	562635
116	Total protein	518945
117	Albumin	519083
118	Globulin	518957
119	A/G ratio	518978
120	Vitamin D3 Total	188122
121	Total Amylase	12600
122	Lipase	10638
123	CK	13240
124	CK-MB (Activity)	9790
125	Troponin T - hs	4946
126	Myoglobin	1392
127	Homocysteine	11980

128	LDH	47290
129	Carbamazepine	403
130	Valproic acid	2111
131	Total Cholesterol	240408
132	Triglycerides	208855
	Total	**13259482**
	Grand Total	**15091317**

Clinical Microbiological Division

A. Routine Investigations			
1. Urine			
Name of the Tests	**OPD**	**WARD**	**TOTAL**
Routine	25046	54885	79931
Microscopic	25046	54885	79931
pH	25046	54885	79931
Specific gravity	25046	54885	79931
Acetone	25046	54885	79931
Bile pigment/salt	25046	54885	79931
Urobilinogen	25046	54885	79931
Blood	25046	54885	79931
Bence Jones Protein	8	16	24
Chyluria	15	28	43
Porphobilinogen	14	16	30
Myoglobinuria	6	15	21
Haemoglobin	0	0	0
Urine Cultures	43316	0	43316
Strain identifications tests	17879	0	17879
Antibiotic Sensitivity	3996	0	3996
Sub Total	**265602**	**439155**	**704757**
2. Stool Investigations	**OPD**	**WARD**	**TOTAL**
Wet mount saline	15404	4253	19657
Wet Iodine stain	15404	4253	19657
Occult blood in stool	3167	1652	4819
Fat globules	34	22	56
Special stains for stool Z-N stain, Modif	269	25	294
Sub Total	**34278**	**10205**	**44483**

3. Semen analysis	OPD	WARD	TOTAL
Routine	4578	0	4578
No. of Reactions	4578	0	4578
Motility	4578	0	4578
Count	3538	0	3538
Fructose	1597	0	1597
Subtotal	**18869**	**0**	**18869**

B. Specialized Investigations

Immuno-Serological & Molecular Diagnosis

Tests 6. TORCH			
NAME OF THE TEST*(these tests remained suspended for most of the year)			
Toxoplasma gondii IgG	2534		
Toxoplasma gondii IgM	2499		
Rubella IgG	3451		
Rubella IgM	3105		
Cytomegalo virus IgG	1576		
Cytomegalo virus IgM	2984		
Herpes Simplex virus IgG	1048		
Herpes Simplex virus 2 IgG	944		
Herpes Simplex virus (1+2) IgM	0		
Sub Total	**18141**		
6. Viral Marker			
HAV IgM	1272		
HBsAg	18740		
HBc IgM	1036		
HBeAg	1418		
Anti HBe	926		
Anti HBs	1455		
Anti HCV antibody	19017		
HEV IgM	0		
HBV DNA	967		
HCV RNA	331		
CMV PCR	721		
Subtotal	**45883**		
7. Others			
Measeles IgG	442		

Mumps IgG	442		
Varicella IgG	609		
Varicella IgM	0		
Subtotal	**1493**		
Grand Total	**833,626**		

Total tests done by the department: 2,19,74,480

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Sudip Kumar Datta was Member, International Federation of Clinical Chemistry & Laboratory Medicine (IFCC) Task Force- Ethics (1st term 2020-2022, 2nd term 2023-2025). He was Member, Technical Advisory Committee for various projects supported under ICMR-MDMS. He was Chairman, Medical Laboratory Instruments Sectional Committee, MHD-10 at Bureau of Indian Standards (BIS). (2023 – till date). He was Member, ICMR Task Force for Establishment of Reference Intervals in Indian Population (TERIP) (2022-till date). He completed PhD thesis evaluation: PGIMER, Chandigarh. He completed MD Thesis evaluation: AIIMS, Jodhpur and PGIMER, Chandigarh. He was State Representative, Delhi for Association of Clinical Biochemists of India (ACBI).

Dr Shyam Prakash was Associate editor of Manipal Journal of Medical Sciences. He was Organizing Secretary of IABS-North Zone 2024 at AIIMS, New Delhi. He was IABS Associate Editor in Journal of Indian Academy of Biomedical Sciences. He was External expert member at DIPAS, Delhi on Phase-I clinical trials (Nano-curcumin formulation for bioequivalence and bio-distribution studies). He was Poster Judge at ASBMB (American Society of Biochemistry and Molecular Biology). He was Poster Judge at ASBMB (American Society of Cell Biology). He completed PhD Thesis evaluation on (a) DIPAS-DRDO, New Delhi and (b) NIMS, Hydrabad. He was Chairperson and panellist for various conferences (IABS-CON, ACBI-CON, ISAR-DCCON, ISBH-2024, etc). He was BMJ South Asian Award 2024 Finalist in the category "Excellence in Medical Education". He was Visiting Faculty in SKIMS (Sher-e-Kashmir Institute of Medical Sciences), Central Research Unit, Srinagar, (J&K).

Dr Suneeta Meena was Panelist and speaker at "Key needs to enable an effective start of implementation of the framework in India i.e.strengthening biorisk mitigation and DUR governance taking into account your specific contexts and settings" by **WHO** Science division.

Dr Tushar Sehgal received Commendation award-AIIMS Research day, 30 January 2025 Innovative devices category, AI based PBF analysis and CBC reporting. Distinguished Abstract award at the Academy of Diagnostic and Laboratory Medicine, Chicago, USA, 28 July–1 August 2024 on the Utility of Kaolin TEG and rapid TEG to predict coagulopathy in severe traumatic brain injury. Ganatantra Diwas Puraskar on 25 January 2025 for inspiring contribution award at International Multidisciplinary research foundation, Vijaywada, AP.

Dr Rojaleen Das Has been awarded with Post Graduate Diploma in Applied Epidemiology from National Institute of Health and Family Welfare On February 2025.

VISITING SCIENTIST

Dr Jay Kalra, Professor, Department of Pathology, University of Saskatchewan, Canada has been invited as Guest of Honor and delivered Plenary lecture on "Error Disclosure in the Laboratory" in the 5th National Conference of Indian Confederation of Medical Laboratory Science (ICMLS) 2024 on 16 November 2024.

Professor Arun Garg, PhD, MD, FRCPC, Consultant Medical Biochemist, Laboratory Medicine and Pathology, Fraser Health; Clinical Professor, Department of Pathology & Laboratory Medicine, UBC; Adjunct Professor, Faculty of Health Sciences, Simon Fraser University

9.19 Medicine

Professor and Head

Naveet Wig

Professors

Sanjeev Sinha		Naval K Vikram
Manish Soneja		Piyush Ranjan

Additional Professors

Neeraj Nischal	Pankaj Jorwal	Arvind Kumar
Ranveer Singh Jadon	Animesh Ray	Upendra Baitha

Associate Professors

Prayas Sethi		Ved Prakash Meena

Assistant Professors

Siddharth Jain	Amandeep Singh	Bindu Prakash
Rahul KG (Contractual)		Renuka Titiyal (Contractual)

HIGHLIGHTS

The Department of Medicine at AIIMS New Delhi has experienced a year of remarkable progress in clinical care, academics, and public health leadership. Our specialized clinics—including Infectious Disease, Metabolic, Chest, and Sleep—have continued to provide cutting-edge, compassionate care across a wide disease spectrum. Academically, we revitalized our departmental website and integrated Google Classroom to create a dynamic, accessible digital learning environment. This blend of technology with bedside mentorship has strengthened training across MBBS, MD, and DM levels. The department hosted the prestigious "Inquisito" National Medicine Quiz 2025, fostering scholarly exchange and showcasing academic brilliance. Our residents excelled nationally, winning the National Rheumatology Quiz-2024 and receiving Best Paper Presentations during institutional Research Day events—testaments to our emphasis on research-oriented, evidence-based training. Research endeavors flourished, with faculty securing competitive grants and publishing in leading journals. Interdisciplinary grand rounds, simulation-based training, and virtual case discussions enriched postgraduate learning. Public engagement was strengthened through health camps, while our faculty continued to play pivotal roles in national policy-making and curriculum design. With its enduring commitment to excellence, innovation, and service, the department remains a guiding light in India's medical landscape—honoring tradition while forging the future.

EDUCATION

The department is at the forefront of medical education, providing a vibrant and enriching learning environment for both undergraduate and postgraduate students. Our curriculum is thoughtfully designed to integrate lectures, seminars, and an array of interactive sessions, including Clinical Combined Rounds (CCR), Clinical Grand Rounds (CGR), journal clubs, mortality meetings, Infectious Diseases meets, and monthly updates on antibiotic stewardship. These are complemented by rigorous bedside clinical case discussions that offer hands-on learning experiences. In the last 1 year, a strong emphasis is laid on diagnostic stewardship as well as quality improvement initiatives including comprehensive training programs in hand hygiene compliance, rational testing order and infection control. We proudly nurture the academic and professional growth of 70 MD students, 44 DM-Infectious Diseases candidates, and 23 Senior Residents. Our educational philosophy is centered on delivering exceptional training that meticulously aligns learning objectives with practical opportunities and assessments to maximize educational outcomes. We are committed to continuously advancing the caliber of our clinical training to adhere to the most stringent standards of research and patient care.

Our residents also gain invaluable global exposure through international observerships and active participation in national and international conferences, where they present both orally and through posters. Their achievements include accolades in National Quizzes, showcasing the depth of their knowledge and research acumen. Furthermore, our enhanced orientation program for new residents includes research methodology workshops.

Undergraduate education is equally prioritized. MBBS students benefit from a dedicated faculty-mentor model with batch-specific supervision, bedside clinical case discussions, individual bed allotments for focused learning, evening emergency classes, and weekly formative assessments. Simulation-based learning and Basic Life Support (BLS) training are incorporated early into their curriculum to build confidence in real-world settings. Students are actively encouraged to pursue research alongside faculty, with many already contributing to ongoing projects. Our faculty also engage in regular teaching of BSc Nursing students, ensuring they are not only taught theoretical medicine but also its practical, compassionate application at the bedside.

CMEs/Workshops/Symposia/National and International Conferences

1. National Level PG Medicine Quiz "INQUISITO-5", 13 April 2024 at AIIMS, New Delhi
2. National Level PG Medicine Quiz "INQUISITO-6", 30 March 2025 at AIIMS, New Delhi

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 26

Naval K Vikram: 5	**Manish Soneja: 4**	**Arvind Kumar: 3**	**Neeraj Nischal: 1**
Amandeep Singh: 1	**Animesh Ray: 2**	**Upendra Baitha: 1**	**Siddharth Jain: 9**

Naval K Vikram

1. Stroke in Young, IACMCON-2024, 30th Annual Conference of Indian Association of Clinical Medicine, 27-29 September 2024, Udaipur, Rajasthan
2. Sarcopenia & Sarcopenic Obesity, 36th Annual Conference of Association of Physicians of India-Rajasthan Chapter, RAJAPICON-24, 26-29 October 2024, Jodhpur, Rajasthan
3. Chrono-nutrition with Anthropometric and Metabolic Parameters in Adult Asian Indians, The Obesity Week 2024, 3-6 November 2024, San Antonio, USA
4. Diabetes and liver, World Congress of Diabetes -2025, 13-16 February 2025, Ahmedabad, Gujarat
5. GLP-1 RAs- delivering beyond sugars, AB-MEDCON 2025, 22 March 2025, Bhubaneswar, Orissa

Manish Soneja

1. Mpox: Clinical Symptoms and Differential Diagnosis, NCDC, DGHS, MOHFW, 24 August 2024, Delhi
2. Mpox: Treatment Modalities, NCDC, DGHS, MOHFW, 24 August 2024, Delhi
3. Abdominal TB Management: Physicians Perspective, ESIC FORTNIGHT 2025, 8 March 2025, Delhi
4. Interpretation of Diagnostic tests in Infectious Diseases, APICON, 24 January 2025, Kolkata

Neeraj Nischal

1. Challenges in the management of EPTB**,** Regional Workshop on "Translating Global and Regional Political commitments towards Ending TB into Action in the South-East Asia Region"**,** 24 April 2024**,** Bangkok Thailand

Arvind Kumar

1. Bradyarrythmias: Stable/Unstable, ACLS & BLS Course by American Heart Association, 24 April 2024, International Training Center, AIIMS, New Delhi
2. Tuberculosis - Management of DST, MDR and XDR TB, 2nd National Conference of Advanced Integrated Modern Medicine Conference (AIMCON-25), 9 June 2024, Bettiah, Bihar
3. Escalating Antibiotics in Infectious Disease, 6th Medicine Update, organised by API IGIMS, 1st March 2025, Patna, Bihar

Animesh Ray

1. Fungal colonization vs true pathogen in the respiratory tract, CME "AMR in Fungal Infections", 15th September 2024, Delhi
2. The Microbiome in Bronchiectasis: Clinical Relevance and Implications, NAPCON 2024-26th Joint National Conference on Pulmonary Diseases under the aegis of National College of Chest physicians (India) and Indian Chest Society, 21-24 November 2024, Coimbatore/India

Upendra Baitha

1. Evaluating the impact of selenium supplementation on iron deficiency anaemia : Insights form a clinical trial, APICON - 2025, 24 January 2025, Kolkata, West Bengal

Siddharth Jain

1. Spondyloarthritis difficult case, Ankylosing Spondylitis Assembly 2024, 11 August 2024, New Delhi
2. Panel discussion on SLE, DELHI RHEUMATOLOGY ASSOCIATION MIDTERM CME: What's new in Rheumatology?, 1 September 2024, New Delhi
3. Infection Related Arthritides, IACMCON 2024 (30th Annual Conference of Indian Association of Clinical Medicine), 29 September 2024, Udaipur
4. Inflammasome- the balancing act (far and beyond), IRACON 2024, 21 November 2024, Bengaluru
5. Systematic Review Protocol Building and Registration, SARANSH workshop, 18 December 2024, New Delhi
6. Reference Management Softwares: Zotero, SARANSH workshop, 19 December 2024, New Delhi
7. Risk of Bias (RoB/RoB2), SARANSH workshop, 20 December 2024, New Delhi
8. Creating Summary of Findings Table from GRADEPro, SARANSH workshop, 22 December 2024, New Delhi
9. Antiphospholipid syndrome: Challenges in diagnosis and management, Annual DRA Update 2025, 9 February 2025, New Delhi

Amandeep Singh

1. "Motivational Therapeutics – Managing Obesity and Diabetes", Annual Conference, RSSDI Jharkhand, 2025, 23rd March 2025, Ranchi, Jharkhand

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
36	9	28

List of oral papers/posters presented: 10

1. Ajayababu A, Ray A, Singh G, Xess I, A validation study of BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill patients using post-mortem minimally invasive tissue sampling, ERS International Congress 2024- Virtual, 7–11 September 2024, RX Messe Wien in Vienna, Austria
2. Ajayababu A, Ray A, Singh G, Xess I, A validation study of BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill patients using post-mortem minimally invasive tissue sampling, ISHAMASIA 2024, 1-3 August 2024, Bangkok, Thailand
3. Jain S, Bhargavi P, Khan AR, et al, Clinico-Immunological Profile and Treatment Outcomes of Clinically Significant Diaphragmatic Weakness in Patients with Idiopathic Inflammatory Myopathies: Results from the Largest Single-Center Cohort of 16 Cases, American College of Rheumatology (ACR) Convergence 2024, 17 November 2024, Washington DC (USA)
4. Jain S, Jha D, Khan AR, et al, VEXAS syndrome presenting as waxing and waning large vessel phlebitis and periarteritis with minimal vacuolation: Expanding the clinical spectrum, Clinical Rheumatology Conference 2024, 21 April 2024, Hyderabad
5. Kumar A, Y Harlokesh, Wig N, Evaluating The Impact Of Selenium Supplementation on Iron Deficiency Anemia: Insights From A Clinical Trial, 80th Annual Conference of Association of Physicians in India APICON 2025 at Kolkata , 24 January 2022, Kolkata
6. Naval K Vikram, Divya Tripathi, Mansi Mittal, Payal Garg, Mayank Pandey, Mriga Jain, et al, "Chrono-nutrition with Anthropometric and Metabolic Parameters in Adult Asian Indians", The Obesity week 2024, 3rd to 6th November 2024, San Antonio, USA
7. Ray A, Ajay babu A, Jain D, Singh G, Xess I, Wig N, A Validation Study of Bm-AspICU Algorithm For Diagnosing invasive Pulmonary Aspergillosis In Critically Ill Patients using Post-Mortem Minimally Invasive Tissue Sampling, Chest 2024, 6-9 October 2024, Boston, Massachusetts

8. Ray A, Khullar R, Dass J, Kaur J, Wig N, High dose vitamin D3 on haemoglobin levels in mechanically ventilated patients with sepsis: A placebo-controlled randomized trial, 28th Congress of the APSR 2024, 7-10 November 2024, Hong Kong
9. S J Ranveer, Impact of resistance exercise on muscle strength, mass and BMD Osteosarcopenic obese individuals, Obesity Week, 5 November 2024, San Antonio, USA
10. Sinha S, Poster presentation on Post TB Sequelae, ATS, May 2024, San Diego, USA

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
13	16	**10**

RESEARCH

Funded projects

Ongoing

1. A longitudinal study to assess the incidence of chronic pulmonary aspergillosis in pulmonary tuberculosis patients and identification of Aspergillus immunodiagnostic antigens, Dr. Animesh Ray, AIIMS, Intramural, 3 Years, 2023-2025, Rs 9,99,990
2. A preliminary study to validate BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill mechanically ventilated patients using post-mortem minimally invasive tissue sampling", Dr Animesh Ray, ICMR, 3 Years, 2023-2026, Rs 40,00,000
3. A randomized controlled trail of vitamin D supplementation on leukocyte telomerase length and telomerase activity in obese Individuals from north Indian with non—alcoholic fatty liver disease, Dr. Ranveer Singh Jadon, ICMR, 3 Years, 2024-2027, Rs 23,12,515
4. A randomized placebo-controlled trial to assess efficacy of Vitamin-D supplementation in non-cystic fibrosis bronchiectasis patients, Dr. Animesh Ray, ICMR, 3 Years, 2024-2027, Rs 76,51,252
5. A study on association of Metabolic Dysfunction Associated Fatty Liver Disease (MAFLD) and dynapenia/ sarcopenia with cardio-metabolic risk, Dr Naval K Vikram, ICMR, 3 Years, 2023-2026, Rs 59,13,114
6. A study on the underlying immune deficits and co-infections in patients with chronic pulmonary aspergillosis, Dr Animesh Ray, AIIMS, Intramural, 2 Years, 2024- 2026, Rs 20 Lakhs
7. Advanced study of Obstructive sleep apnea (OSA) in the patients with heart failure: Incorporating Artificial Intelligence in OSA-Heart failure diagnosis and management, Dr Sanjeev Sinha, TIH, IIT, Indore, 3 Years, 2024-2027, Rs 35,70,063
8. Artificial Intelligence based Decision Support System for Diagnosing Ventilator Associated Pneumonia, Dr Animesh Ray, DHR, 3 Years, 2021-2024 (extended till May 2025), Rs 26,86,419
9. Association of Glycemic Variability with Hepatic Steatosis, Sarcopenia and Immunometabolic Parameters in Type 2 Diabetes Patients, Dr Prayas Sethi, AIIMS Intramural, 1 Year, 2024-2025, Rs 5 Lakhs
10. Correlation of muscle and hand grip with body composition in different body mass index participants", Dr Upendra Baitha, ICMR, 3 Years, 2023-2026, Rs 2,22,282
11. Development and Evaluation of a Comprehensive retraining module for patients with obesity to achieve clinically significant weight loss- An open-label randomized controlled trial, Dr Piyush Ranjan, DST, 3 Years, 2023-2026, Rs 46.36 Lakhs
12. Development and Evaluation of an Individualized Weight management module for young adults. Principal Investigator. Amount 57.16 Lakhs. Funded by ICMR, Dr Piyush Ranjan, ICMR, 3 Years, 2022-2025, Rs 57.16 Lakhs
13. Development and validation of an indigenous (1→3)-β-D-glucan (BDG) assay for diagnosing and prognosticating invasive fungal infections, Dr. Animesh Ray, AIIMS, Intramural, 2 Years, 2023-2025, Rs 20 Lakhs
14. Development and Validation of Immunoassays to Aid in Diagnosing and Assessing Treatment Response in Chronic Pulmonary Aspergillosis, Dr Animesh Ray, ICMR, 3 Years, 2024-2027, Rs 59,65,142

15. Development of machine learning models for predicting obstructive sleep apnea. A multicentric study, Dr Sanjeev Sinha, TIH, IIT Bombay DST, 2 Years, 2025-2027, Rs 1.10 Crore
16. Diagnostic accuracy of an AI based screening system for detection of pulmonary tuberculosis using cough sounds and symptoms, Dr. Neeraj Nischal, Wadhwani, 2 Years, 2025-2027, Rs 14 Lakhs
17. Diagnostic accuracy of cell free DNA in Mucormycosis, Dr Arvind Kumar, AIIMS (Intramural), 2 Years, 2025-2027, Rs 2 Lakhs
18. Early Detection of Obesity-Related Glomerulopathy in the Asian Indian individuals: Evaluating the Role of Novel Biomarkers for Kidney Injury- A Cross-Sectional Study, Dr Amandeep Singh, AIIMS New Delhi, 1 Year, 2024-2025, Rs 5 Lakhs
19. Effect of high dose vitamin D3 on hemoglobin concentrations of mechanically ventilated patients with sepsis: A placebo-controlled randomized controlled trial", Dr. Animesh Ray, ICMR, 3 Years, 2022-2025, Rs 50,47,800
20. Efficacy and safety of leuprolide acetate in reducing ovarian toxicity of intravenous cyclophosphamide in young females with autoimmune rheumatic diseases: An assessor-blinded, randomized controlled trial, Dr Siddharth Jain, ICMR, 3 Years, 2024-2027, Rs 84.5 Lakhs
21. Efficacy of Montelukast in reducing incidence of warning signs and severe disease in patients with dengue fever: A phase 2, double-blind, placebo-controlled, randomized trial, Dr Manish Soneja, ICMR, 3 Years, 2024-2027, Rs 75,00,000
22. Evaluating The Association Of Fatty Kidney With Risk Of Cardiometabolic Disorders And Kidney Functions: A Comparative Study Of Metabolically Healthy And Unhealthy Obese And Non Obese Asian Indian Individuals, Dr Amandeep Singh, ICMR, 3 Years, 2024-2027, Rs 98,07,427
23. Evidence synthesis for evidence-based Guidelines on Empirical Use of antibiotic for Upper respiratory infections, Acute undifferentiated fevers and community acquired pneumonia: conducting systematic reviews/meta-analyses, Dr. Animesh Ray, ICMR, 3 Months, 2025,-2025, Rs 5,13,500
24. Long term exposure to air pollution and their correlation with disease severity and outcomes in patients with influenza like illnesses and COVID-19 in Indian Population: A prospective multi-centric study, Dr Upendra Baitha, ICMR, 3 Years, 2024-2027, Rs 1,86,71,755
25. Nebulized amphotericin B added to oral azoles in chronic pulmonary aspergillosis patients: A Placebo-controlled, Double-blinded Multicentric Randomized Controlled Trial (NAB trial), Dr Animesh Ray, ICMR, 4 Years, 2024-2028, Rs 2,89,70,598
26. NMR based CSF metabolomics for biomarker identification of seizures in TBM patients, Dr Bindu Prakash, AIIMS (Intramural), 2 years, 2023-2025, Rs 10 Lakhs
27. NMR-based CSF metabolomics for biomarker identification for poor outcomes in TB Meningitis Patients, Dr Bindu Prakash, AIIMS (interdisciplinary, 2 Years, 2024-2026, Rs 20 Lakhs
28. Prevalence of dynapenia/ sarcopenia and its association with metabolic parameters, body composition and bone mineral density in postmenopausal women: A cross-sectional study, Dr. Ranveer Singh Jadon, DHR, 3 Years, 2023-2026, Rs 9,07,608
29. Randomized control trial to study the impact of weight bearing and resistance exercise with nutritional intervention on bone and muscle health in obese patients with Osteosarcopenia, Dr. Ranveer Singh Jadon, ICMR, 3 Years, 2022-2025, Rs 76,74,989
30. Randomized Controlled Trial to compare the effect of dietary intervention and resistance exercises on changes in skeletal muscle strength, mass and function in Type 2 Diabetes patients with Dynapenia and Sarcopenia, Dr Naval K Vikram, ICMR, 3 Years, 2022-2025, Rs 73,46,403
31. Screening for autoinflammatory syndromes in undiagnosed patients presenting with recurrent or persistent sterile inflammation: A pilot study, Siddharth Jain, AIIMS Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
32. Secondary Cervical Cancer Prevention of Vulnerable Women with HPV and HIV Co-Infection in India. One international multicentric study, Dr. Sanjeev Sinha, National Institutes of Health (NIH), 5 Years, 2024-2029, USD129,171.
33. Study of the upper airway anatomy using magnetic resonance imaging in Indian obese patients with and without obstructive sleep apnoea, Dr Sanjeev Sinha, SERB, DST, 3 Years, 2024-2027, Rs 75 Lakhs
34. Study on the impact of continuous glucose monitoring system on achievement of glycemic and clinical outcomes in critically ill patients, Dr Ved Prakash Meena, Intramural AIIMS, 1 Year, 2023-2025, Rs 5 Lakhs

35. To compare the effect of Indo-Mediterranean Diet with continuous energy restriction diet on hepatic steatosis and fibrosis, RNA Biomarkers, body composition and metabolic parameters in adult with non-alcoholic fatty liver disease, Dr Naval K Vikram, DHR, 3 Years, 2024-2027, Rs 44,78,700
36. To evaluate the personality traits and assess the impact of humanistic psychotherapy for trait specific intervention on body composition and metabolic parameters in obese subjects, Dr Naval K Vikram, ICMR, 3 Years, 2023-2026, Rs 59,43,606
37. To study the role of serum proteomics profiles in subjects with metabolic syndrome, Dr Upendra Baitha, DHR, 3 Years, 2023-2026, Rs 22 Lakhs

Completed

1. A randomized controlled trial of 6 months yogic exercise vs regular physical activity on body composition, multiple metabolic measures in North India individuals with non-alcohohlic fatty liver disease and obesity, Dr Naval K Vikram, DST, 3 Years, 2019-2023, Rs 96,39,720
2. A study on genetic defects predisposing to Chronic pulmonary aspergillosis from a North Indian tertiary referral centre, Dr Animesh Ray, Fungal Infection Trust, International, 1 Year, 2023-2024, Rs 33,60,575/-
3. Adherence Need Assessment tool development and validation among asymptomatic PLHIV to improve adherence to Anti retroviral Therapy", Dr. Naveet Wig, ICMR, 2 Years, 2022-2024, Rs 28 Lakhs
4. Determining the prevalence of respiratory diseases in walk-in-patients, Dr. Sanjeev Sinha, Alveofit, India-Sweden Healthcare Innovation Centre, 18 Months, 2023-2024, Rs 5,13,648
5. Effect of weight loss on hemoglobin and its association with immuno-metabolic parameters in obese patients, Dr Prayas Sethi, Intramural, 2 years, 2022-2024, Rs 5 Lakhs
6. Immunological response to COVID-19 vaccination in adult patients with HIV infection, Dr Neeraj Nischal, ICMR, 2 Years, 2022-2024, Rs 76 Lakhs
7. Randomized controlled trial to compare the impact of exercise and nutritional interventions on muscle functional improvement and changes in skeletal mass in obese patients with sarcopenia, Dr Naval K Vikram, ICMR, 3 Years, 2019-2023 (extension), Rs 83,01,698
8. Sarcopenia in people living with HIV/AIDS: Clinico-metabolic and hormonal correlates and the effect of resistance training exercises, Dr Prayas Sethi, ICMR, 3 Years, 2021-2024, Rs 19 Lakhs
9. Screening for underlying inborn errors of immunity in high-risk adults and assessment of its diagnostic, treatment and prognostic implications, Dr. Siddharth Jain, APLAR (Asia Pacific League of Associations for Rheumatology), 1 Year, 2023-2024, 14000 USD
10. Study of the course of somatic symptoms severity and disability in patients with medically unexplained physical symptoms (MUPS) in an Indian setup- [AIIMS MUPS Cohort Study], Dr Piyush Ranjan, DST, 1 Year, 2021-2022, Rs 9.28 Lakhs
11. Study the effectiveness of pulmonary rehabilitation on functional exercise capacity and health-related quality of life (HRQOL) in patients with post tuberculosis lung disease: a multicentric pre and post-interventional study, Dr Sanjeev Sinha, ICMR, 1.2 Years, 2023-2024, Rs 60,18,226
12. To compare the effect of Intermittent fasting and Continuous energy restriction on body composition, multiple metabolic and physiological parameters in obese adults, Dr Naval K Vikram, ICMR, 2 Years, 2021-2023(extension), Rs 53,16,985
13. To evaluate the gaps in the diagnosis and treatment in extra-pulmonary tuberculosis patients under National Tuberculosis Elimination Programme (NTEP) guidelines among various multi-specialties: a multicentric observational study, Dr Sanjeev Sinha, ICMR, 24 Months, 2023-2025, Rs 63,18,226
14. To study the effect of Vitamin C and Thiamine in patients with sepsis in Indian Population: Single blind, Parallel Group, Randomized controlled trial, Dr Arvind Kumar, ICMR, 3 Years, 2021-2024, Rs 57 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A study on incidence and factors affecting exacerbation in bronchiectasis patients
2. A Study To Estimate Colonisation Rates of Clostridium difficile in Hospitalised Patients

3. Analysis of clinicopathological profile, treatment pattern and outcome of patient with NSCLC harboring driver mutation
4. Assessment of Epstein-Barr Virus Viremia in Patients with Hemophagocytic Lymphohistiocytosis-A Prospective Cohort Study
5. Association between mups, metabolic syndrome, and sexual dysfunction (erectile dysfunction and premature ejaculation) among adult males: a cross-sectional survey from a tertiary care centre in north India
6. Association of Adipose-Muscle Phenotypes with Clinical and Metabolic Parameters in Adult Patients with Metabolic Dysfunction Associated Steatotic Liver Disease (MASLD)
7. Clinical, immunological, radiological correlates of paradoxical reaction in lymph node tuberculosis in HIV seronegative patients
8. Clinical, Radiological, Microbiological profile of chronic pulmonary aspergillosis patients undergoing resective surgery
9. Clinicodemographic and Electrophysiological Profile of ATT Induced Peripheral Neuropathy in patients with MDR/XDR Extraneurological Tuberculosis : A Cross Sectional Study
10. Clinico-laboratory and Positron emission tomography (PET) scan follow up and outcome of patients with persistent Lymphadenopathy after 6 months of Anti tubercular therapy completion
11. Clinico-pathological characteristics and Survival outcome in patients with chronic myeloid leukemia-CP
12. Clinico-pathological Characteristics and Survival Outcome of Patients with Follicular Lymphoma: A retrospective study
13. Clinico-patho-radiological profile and treatment outcomes in adult patients with Idiopathic Inflammatory Myopathies
14. Comparing the prevalence of obstructive sleep apnea (OSA) in patients suffering from Metabolic Dysfunction-associated Steatotic liver disease (MASLD) and Metabolic Dysfunction and Alcohol associated Liver disease (MetALD)
15. Correlation of ggt/hdl-c ratio with MASLD in type 2 diabetes mellitus patients.
16. Development of a predictive model for identifying causative organisms among patients with clinical suspicion of bacterial sepsis based on clinical, biochemical and radiological parameters
17. Diagnosing Recurrent Pulmonary TB: A comparison of clinico-radio-microbiological and AI based imaging systems
18. Diagnosis of subclinical pulmonary tuberculosis in patients on Anti TNF therapy.
19. Diagnostic accuracy of cell free DNA in mucormycosis.
20. Diagnostic utility of galactomannan detection in BALF corrected by urea dilution for the diagnosis of chronic pulmonary aspergillosis.
21. Diagnostic utility of Genexpert MTB/XDR in Extrapulmonary Tuberculosis.
22. Economic Burden of Drug Resistant Epilepsy in India.
23. Effect of electrical based optimisation on improving electrical and mechanical performance after CRT implantation.
24. Epidemiology, clinical profile, management trends and outcomes in patients presenting with pulmonary artery hypertension in a tertiary care centre in North India.
25. Etiology and Outcome of lung cavity in hospitalized patients.
26. Evaluating the diagnostic utility of predictive model based on clinical findings, laboratory parameters and radiological imaging for detecting fungal infection.
27. Evaluation of current management practices and outcomes in patients with CNS tuberculosis.
28. Evaluation of subclinical myocardial dysfunction in PLHIV on HAART for more than 5 years through speckle echocardiography.
29. Evidence of subclinical tuberculosis in HIV or type 2 diabetes mellitus.

30. Exploring the awareness and understanding of Desmoid/Fibromatosis among healthy care professionals: a knowledge assessment study.
31. Incidence and clinco Microbiological profile of Surgical Site Infections in General Surgery ward in a Tertiary care centre.
32. Incidence of aids and non-aids related events in PLHIV with Immuno-Virological discordance as compared to patients without discordance.
33. Indian medical students' perception on training and evaluation in medical education.
34. In-vitro evaluation of amikacin-meropenem & amikacin-imipenem against carbapenem resistant Pseudomonas aeruginosa.
35. Kinetics of Galactomannan in pediatric patients with Invasive Pulmonary Aspergillosis in Cardiac interventions.
36. Long term health outcomes among post COVID syndrome patients.
37. Management and clinical outcomes in adult patients with mucor mycosis : an ambispective observational study.
38. minimally invasive tissue sampling for determination of cause of death in critically ill hospitalised patients in north india.
39. Practices and outcomes of prophylactic anti-epileptic use in CNS tuberculosis patients: insights from an observational study from tertiary care centre.
40. Prevalence and diversity of non tuberculous mycobacterium in tb and ntm suspects in a tertiary care centre in north India.
41. Prevalence of CRE intestinal colonisation among patients admitted to a medicine ward.
42. Prevalence of EBV DNA and anti EBV antibodies in patients of Multiple Sclerosis, NMOSD and MOGAD.
43. Prevalence of Myosteatosis in Overweight and Obese Individuals: A Cross-Sectional Study.
44. Prevalence, Types and Factors determining Arrhythmias in patients with OSAHS.
45. Prolonged NS1 antigenemia in immunocompromised patients with dengue.
46. Seroprevalence of Varicella-Zoster Virus (VZV) in patients receiving immunosuppressive therapy: Implications for Vaccine Response and Herpes Zoster Risk.
47. Study of anti-tubercular therapy induced liver injury: a hospital based study.
48. Study of treatment outcomes of extra pulmonary tuberculosis and various factors affecting it.
49. Study the Impact of Pearl Millet Consumption on Lipid Profile and body weight.
50. surveillance of hospital acquired UTI and significance of Candiduria in adult medical ICU.
51. Synergy Testing of Ceftazidime-Avibactam Plus Aztreonam in XDR Esherichia Coli and Klebsiella Pneumoniae Strains: Clinical Outcomes and Mortality Analysis.
52. The association between obstructive sleep apnea and coronary plaque using a CT coronary angiography scan - a cross sectional observational study.
53. To assess the response rate of 6 monthly ATT in mediastinal lymph node TB using PET CT.
54. To compare muscle mass, strength and function, biochemical and lifestyle factors between individuals of age (30 to <65 years) and (≥65 years) with Dynapenia/Sarcopenia.
55. To estimate the prevalence of obstructive sleep apnea and to correlate the severity of obstructive sleep apnea with the monocyte to HDL cholesterol ratio in patients with heart failure in the Indian population.
56. To evaluate efficacy for glycaemic control and safety profile of different metformin doses in women with Gestational Diabetes Mellitus- a pilot two arm parallel randomised controlled trial.
57. To study the prevalence of primary hyperaldosteronism in the patients of obstructive sleep apnea.
58. Understanding the Prevalence of Metabolic and Alcohol associated Steatotic Liver Disease (MetALD): Insights from an Indian Tertiary Care Centre.
59. Understanding Tuberculosis Recurrence: A cross sectional study.
60. Utility of orofacial myofunctional therapy in obese patients with obstructive sleep apnea.

Completed

1. A cross-sectional study of patient reported quality of life and cognitive impairment in patients with gastrointestinal stromal tumor
2. Adherence need assessment tool development and validation among PLHID to improve adherence to antiretroviral therapy.
3. Adherence to sepsis care bundle and its effect on patient outcome
4. An observational study to assess the effect of different vitamin D supplementation practices on hemoglobin levels in vitamin D deficient mechanically ventilated patients with sepsis in a medical ICU
5. Assessment of clinico-laboratory parameters and outcomes associated with dysglycemia in patients with sepsis
6. Assessment of CSF cytokines level in patients with confirmed meningitis meningoencephalitis
7. Clinical profile and outcome of ventilator associated pneumonia patients due to carbapenem resistant acenetobacter bauminii
8. Clinico microbial profile of patients with acute cholangitis
9. Clinico-pathological characteristics and survival outcome of patients with Mantle Cell Lymphoma: A Retrospective Study
10. Clinicoradiologic profile and outcome of patients with NPH
11. Detection and Molecular Characterization of Intestinal Parasites in Patients with Functional Dyspepsia
12. Diagnostic accuracy of Gene Xpert Ultra in Tuberculous pleural effusion
13. Diagnostic accuracy of procalcitonin for detecting bacterial infection / sepsis in chronic kidney disease patients
14. Diagnostic utility of Urinary Lipoarabinomannan antigen in diagnosis of spinal tuberculosis
15. Effect of prevalence and/or recurrence of non-tubercular mycobacterial disease on morbidity in structural and airway lung disease
16. Evaluation of lifestyle related factors and biochemical markers for the occurence and severity of Non Alcoholic Fatty Liver Disease in India.
17. Hypomagnesemia and its correlation with clinical outcomes in admitted sepsis patient
18. Impact of costal expansion exercises on lung function, rate of perceived exertion and quality of life in obese individuals
19. Impact of Integrated Stewardship reinforcement among Health Care Workers on Diagnosis and Management of UTI: a Quality improvement study
20. Incidence of cytomegalovirus reactivation in patients with hemophagocytic lymphohistiocytosis: A prospective cohort study
21. Multi-drug resistant and Extensively drug resistant Enterobacterales- Prevalence, Treatment and Outcomes: A Prospective Observational study
22. Incidence and Characteristics of Ventilator-Associated Events (VAE) in an adult ICU
23. NMR based CSF metabolomics for biomarker identification for poor outcomes in TB meningitis patients
24. Non Alcoholic Fatty Liver Discase and its sarco-metabolic correlates in people living with Human Immunodeficiency virus infection
25. Observing the changes in upper airway anatomy using Magnetic Resonance Imaging and correlating with changes in Apnea-Hypopnea index in patients undergoing weight loss with bariatric surgery"
26. Performance of Aspergillus PCR o Mini Bronchoalveolar Lavage fluid for the diagnosis of Invasive Pulmonary Aspergillosis using BM Asp ICU criteria : A cross sectional diagnostic test validation study
27. Post Sepsis Syndrome- A Prospective Observational Study
28. Prevalence and clinical outcomes of RSV in adults with severe acute respiratory infection (SARI)
29. Prevalence and correlates of neurological and neurocognitive disorders in HIV+ patients on ART
30. Prevalence of CMV reactivation and tissue invasive disease in critically ill patients with sepsis: A prospective observational study

31. Prevalence of primary aldosteronism in essential hypertension
32. Prevalence, Incidence and Risk factors for Latent Tuberculosis Infection (LTBI) among Medical Students and Residents
33. Prevalence, Risk Factors and Outcome of Undiagnosed Heart Failure with Preserved Ejection Fraction (HFpEF) Among Patients Admitted with Dyspnea"
34. Prevelance ID strongyloides infection among immunocompromised patients at tertiary centre
35. Seroprevalence of Vaccine preventable disease in health care worker
36. Study of association of Anthropometric measurements and body fat distribution with lipid profile and hsCRP in Adult population
37. Study of Body composition, clinical and metabolic profile of non obese individuals
38. Study of clinical characteristics and evaluation of Molecular Diagnostic techniques in enhancing the diagnosis of PJI
39. To evaluate the effectiveness of enhanced behavioural intervention and use of technology(continuous glucose monitoring) for improving pregnancy outcomes among women with type 2 DM:A three arm parallel randomised controlled trial
40. To study the incidence of tuberculosis in patients with hematological malignancies and cancer specific incidence rates of tuberculosis among them
41. Utility of catheter tips in the diagnosis of catheter-related bloodstream infections at a tertiary hospital in north India - a prospective study
42. Young onset lung cancer: clinicopathological profile, treatment and outcomes

Collaborative projects

Ongoing

1. Development and validation of High-resolution melting curve Assay for detection of *Aspergillus* species and azole resistance, Microbiology
2. Evaluating the diagnostic Utility of FDG PET-guide biopsy in FUO, Nuclear Medicine, AIIMS, New Delhi
3. Quantification of targeted proteins to differentiate the active TB vs latent TB vs healthy population: evidence-based approach for tuberculosis diagnosis dilemma, Microbiology
4. To establish the therapeutic potential of probiotics and their associated metabolites in mitigating pulmonary and extrapulmonary ARDS under preclinical and clinical conditions, Biotechnology
5. Validation of blood based transcriptional biomarkers for diagnosis of extrapulmonary tuberculosis, Microbiology

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	35	31	37
Total funding	Rs 16,46,45,949	Rs 16,53,41,563	Rs 24,17,63,333

PUBLICATIONS

Publications

Journals: 64 **Abstracts: 10** **Chapters in Book: 04**

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024–2025
Total	**129**	**83**	**78**
Journal articles	125	79	64
Abstracts	-	3	10
Chapters in books	03	01	04
Books	01	0	0

PATIENT CARE

Item	2022–2023	2023–2024	2024-25
	OPD consultations		
Medical OPD	150634	179339	**193904**
Special Clinic Consultations			
Infectious Diseases, Travel Health & Adult Immunization Clinic (Monday & Thursday 2.00 PM)	4352	7010	**8220**
Sleep Clinic (Monday 2.00 PM)	479	747	**733**
Obesity and Metabolic Disorders Clinic (Wednesday 2.00 PM)	3361	2452	**2001**
Chest Clinic (Friday 2.00 PM)	1750	4046	**5004**
Antiretroviral (ART) Centre	Pre-ART 523 ART 63582	Pre-ART 546 ART 64182	Pre-ART- 551 ART- 64316
Patients provided rehabilitation services	-	3173	**3214**
Total Inpatient Admissions	4464	5042	**5433**

Laboratories:

POCT Lab:	2022–2023	2023–2024	2024-25
Procalcitonin (PCT)	4320	2543	**3643**
NT - Pro BNP	2166	1545	**2254**
Troponin I (Trop I)	2164	1517	**1914**
ABG (Arterial blood gas analysis)	33290	32257	**33260**
Blood Culture	5814	4581	**6072**
ROTEM's INTEM	146	216	**222**
ROTEM's EXTEM	149	207	**222**
ROTEM's FIBTEM	128	196	**196**
ROTEM's APTEM	74	129	**148**
Dengue NS1 IgG/ IgM	183	104	**88**
SCRUB TYPHUS IgG/ IgM	91	98	**74**
Malaria Antigen	97	56	**78**
Pneumonia Panel	-	88	**217**
Respiratory Panel	-	8	**09**
M/E Panel	-	25	**35**
BCID Panel	-	61	**59**
Sleep lab:	**2022–2023**	**2023–2024**	**2024-25**
Sleep studies	350	373	**359**
Ambulatory monitoring of blood pressure	19	10	**22**
Actigraphy	4	4	**7**

PFT Lab:	**2022–2023**	**2023–2024**	**2024-25**
Pulmonary Function Test	7553	7813	**6958**
6 Minute walk test	791	698	**622**
FOT	478	322	**95**
SVC	1072	1007	**816**
DLCO	1083	1007	**811**
TLC	187	87	**88**
MIP/ MEP	5	3	**-**
CPET	1	-	**124**
MDI	-	**-**	**1380**
Number of Bronchoscopy done:	**2022–2023**	**2023–2024**	**2024-25**
Bronchoalveolar (BAL)	232	**279**	**280**
Forceps Biopsy	23	22	**14**
Brush Biopsy	1	2	**2**
Radial Probe Biopsy	1	4	**2**
Conventional Transbronchial Needle Aspiration (TBNA)	0	7	**6**
EBUS TBNA	71	65	**72**
Tracheostomy	6	9	**3**
Ampho B Nebulization	0	-	**5**
Pigtail Insertion	-	3	**-**
ADA/ACE Lab:	**2022–2023**	**2023–2024**	**2024-25**
ACE tests	1565	1281	**612**
Intermediate Reference Laboratory (IRL) Services:	**2022–2023**	**2023–2024**	**2024-25**
No. of samples for sputum smear-	9081	7890	**-**
No. of samples for liquid culture-	11011	6448	**3782**
No. of samples for liquid DST (1st line)	65	205	**-**
No. of samples for liquid DST (2nd line)	109	86	**-**
No. of samples for Line Probe Assay (1st line LPA)	5662	6288	**3798**
No. of samples for Line Probe Assay (2nd LPA)	641	750	**196**
No. of samples for Gene/Xpert	7977	7810	**-**
No. of samples for TB Ag MPT64	180	250	**-**
No. of samples for CBNAAT test performed	-	-	**5543**

Metabolic Clinic Lab

Fibrosan 9995 11000 **12960**
Bioelectrical Impedance Analysis (BIA) 9000 9950 **11500**

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Naveet Wig Continued to serve as the Personal Physician to the Hon'ble Prime Minister. I am holding several prominent national positions. These include membership in the National Task Force on COVID-19 and the Clinical Research Group on COVID-19 under the Indian Council of Medical Research (ICMR), as well as serving as the Nodal Officer for the WHO Collaborating Centre for Training and Research in Tuberculosis.

Professor Sanjeev Sinha was member of the Association of Physician of India. He was Member of Indiaclen. He was also a Member of National Academy of Medical Sciences (MNAMS). He was also a Member of Indian Chest Society. He was a Member of Indian Thyroid Society. He was a Member of American Thoracic Society. He was a Member of International AIDS Society. He received Fellowship of National Academy of Sciences India (NASI).

He is Member of Medical Board Antarctica Expedition, Govt. of India, Goa. He is Member of Scientific Committee, NACO, Ministry of Health & FW, Govt. of India. He is Member of Health wellness programme, Ministry of Tourism, Govt. of India. Member of FDC, DCGI, India

He is Member of Editorial board of "Cases Journal". He is Member of Review Committee of Journal of Physical Education and Sport Management. Published from South Africa. He is Member of Review Committee of Journal IJMR. He is Member of Review Committee of Journal of Current HIV Research. He is Member of Review Committee of projects funded by DHR, ICMR, Government of India. He received Fellowship of National Academy of Sciences India (NASI). He is Member of council of National Academy of Sciences India (NASI).

He is Member Secretary of AIIMS Ethics Committee of PGR

Dr Ranveer Singh Jadon was awarded fellowship (FICP) of prestigious Indian College of Physician on 24th January 2025 at Kolkata in APICON, 2025.

Dr Animesh Ray awarded Endorsed APSR Short Term Fellowship at Nagasaki University Hospital, Japan (1- 28 February 2025).

Dr Siddharth Jain was Awarded the 2024 Phil Robinson Global Scholarship by the American College of Rheumatology. He won the Best Oral Presentation Award at the Clinical Rheumatology Conference 2024 in Hyderabad.

Dr Amandeep Singh Actively participated as a physician in the Mega Health Camp held at ESIC Alwar, Rajasthan, organized by AIIMS Delhi providing comprehensive healthcare services on 8 March 2025.

Dr Bindu Prakash has Organised INQUISITO - a national PG Medicine quiz on 30 March 2025.

9.20 Microbiology

Professor and Head

Lalit Dar

Professors

Bimal Kumar Das	Bijay Ranjan Mirdha	Immaculata Xess
Benu Dhawan	Seema Sood	Sarita Mohapatra
Urvashi B. Singh (currently on loan to the Ministry of Health and Family Welfare)	Aashish Choudhary	Hitender Gautam
	Gagandeep Singh	

Additional Professors

Nishant Verma	Megha Brijwal	Kiran Bala

Assistant Professors

Priyam Batra		Tanu Sagar

HIGHLIGHTS

The Department of Microbiology was the first department at AIIMS to get its scope of testing NABL-accredited (as per ISO: 15189; 2012) in November 2019, and continues to maintain this since. The NACO National HIV Reference Laboratory (NRL), and HIV Regional Reference Laboratory for Viral Load and Early Infant Diagnosis are accredited since a few years prior. The Department of Microbiology, through Dr. Bimal Kumar Das (Chief Coordinator for AIIMS NABL Accreditation), has also facilitated the completion of accreditation of the scope of testing at the laboratories in JPNATC, Department of Laboratory Medicine, CDER (Oral Pathology), Department of Nephrology, Clinical Porphyria Testing Laboratory during 2024-2025. Other laboratories are in various stages of the process.



National Accreditation Board for Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

DEPARTMENT OF MICROBIOLOGY, ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), NEW DELHI

has been assessed and accredited in accordance with the standard

ISO 15189:2012

"Medical laboratories - Requirements for quality and competence"

for its facilities at

DEPARTMENT OF MICROBIOLOGY, SECOND FLOOR, TEACHING BLOCK, ALL INDIA INSTITUE OF MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI, SOUTH, DELHI, INDIA

in the field of

Medical Testing

Certificate Number: MC-3267

Issue Date: 15/11/2023 Valid Until: 14/11/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: All India Institute of Medical Sciences

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

NATIONAL HIV REFERENCE LABORATORY & NACO RRL FOR HIV VIRAL LOAD AND EARLY INFANT DIAGNOSIS, DEPARTMENT OF MICROBIOLOGY

has been assessed and accredited in accordance with the standard

ISO 15189:2012

"Medical laboratories - Requirements for quality and competence"

for its facilities at

ROOM NO-2062, SECOND FLOOR, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI, DELHI, INDIA

in the field of

Medical Testing

Certificate Number: MC-2472

Issue Date: 11/07/2023 Valid Until: 10/07/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity: THE ALL INDIA INSTITUTE OF MEDICAL SCIENCES

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

The Department initiated a DHR Infectious Disease Research and Diagnostic Laboratory (IRDL) under the PM-BHIM scheme in 2024-2025. The Virology Laboratory is a DHR Regional Virus Diagnosis and Research Laboratory (VRDL) since 2019. The Bacteriology, Mycology, and Parasitology verticals are now part of the IRDL.

The Bacteriology laboratory is a nodal centre for the ICMR Antimicrobial Resistance Surveillance and Research Network (AMRSN) since 2013 for *Salmonella* Typhi. The Virology laboratory is an ICMR Influenza Sentinel Surveillance Centre, Apex Referral Laboratory of the National Centre for Vector Borne Diseases Control (NCVBDC) for Dengue and Chikungunya; NACO Regional Reference Laboratory (RRL) for HIV-1 Viral Load and Early Infant Diagnosis (EID); and a National Program for Surveillance of Viral Hepatitis (NPSVH) Laboratory. The Parasitology Laboratory provides state of-art diagnostic facilities for diseases for malaria, visceral leishmaniasis, lymphatic filariasis, and other infections. The Mycology Laboratory is an ICMR Reference Laboratory for Human Fungal Diseases. The HIV Laboratory is a NACO National Reference Laboratory (NRL). The Sexually Transmitted Diseases Laboratory is designated for medical device testing for STDs for ICMR-CDSCO.

The Department provides 24×7 diagnostic services for patient care. Faculty coordinate hospital-acquired infection surveillance activities and training for the Institute.

EDUCATION

UNDERGRADUATE TEACHING:

MBBS for Medical Microbiology

BSc (Nursing)- Medical Microbiology

BSc OT Technology - Medical Microbiology

POSTGRADUATE TEACHING

PhD (Microbiology)

- Lecture - Once/week
- Journal Club - Once/week

MD (Microbiology)

- Lecture/Seminar - Once/week
- Journal Club - once/week
- Tutorial - Twice/month
- Practical Exercise presentation - Twice/month
- Laboratory postings in different sections of the department

DM (Infectious Diseases)

- Seminar - Once/week
- Laboratory postings in different sections of the department

Short term trainees: Nil

No. of Students Registered	2022-2023	2023-2024	2024-2025
MD	19	17	17

CMEs/Workshops/Symposia/National and International Conferences

1. Pest control, promotion of hand hygiene, training of HA/ SA and Nursing Officers, Hands on sessions, Rangoli competition, quiz competition, best out of hospital waste, poster competition during the Special Swachhta Campaign at the Surgical Block, AIIMS New Delhi from 1-15April 2024
2. World hand hygiene day, Surgical Block, AIIMS New Delhi on 5 May 2024
3. One-day internship training program in Microbiological techniques by Department of Microbiology faculty under SERB Scientific Social Responsibility (SSR) at Department of Zoology, Dyal Singh College, Delhi on 29 August 2024, Dyal Singh College, Delhi

4. AIIMS - IAMM-Delhi Chapter Workshop on Fungal Diagnostics on 30 August 2024. AIIMS, New Delhi
5. The Virology Laboratory, as a part of the INSPIRES network (Indian Network of Population-based Surveillance Platforms for Influenza, SARS-CoV2, and other Respiratory Viruses among the Elderly), conducted a 2-day molecular training workshop on 27-28 September 2024 at AIIMS Delhi.
6. IAMM Hands-on workshop on Automated Bacterial Culture, Identification, and Antimicrobial Susceptibility Testing, including Molecular Resistance Markers, on 8 October 2024, AIIMS, New Delhi
7. Antimicrobial Awareness Week organized, Surgical Block, AIIMS New Delhi on 18-22 November 2024
8. IAMM Hands-on Workshop on Integrated Stewardship in UTI workflow on 21 November 2024, BJ Medical College, Pune
9. AIIMS-HISI Delhi Chapter Conference on Shielding the Scalpel: Advancing Surgical Site Infection Prevention on 14 December 2024, in the Surgical Block, AIIMS New Delhi, for microbiologists, surgeons and infection control nurses from across Delhi.
10. EQA workshop for four HIV State Reference Laboratories under the National HIV Reference Laboratory, Department of Microbiology, AIIMS, New Delhi, on 5 February 2025, with participants from Punjab, Himachal Pradesh, Chandigarh and Delhi.
11. The Virology Laboratory, as a NACO Regional Reference Laboratory (RRL) for HIV Early Infant Diagnosis (EID), conducted a 2-days training on the Molecular Diagnosis of HIV-1 on 19-20 February 2025, at AIIMS Delhi.
12. Hands-on –training was imparted to faculty from other medical institutions who made a request for improving their skills in diagnostic parasitology.

Lectures delivered at CMEs, National and International Conferences

Lectures Delivered: 52

Lalit Dar: 4	**Bimal Kumar Das: 3**	**Bijay Ranjan Mirdha: 2**
Immaculata Xess: 1	**Benu Dhawan: 2**	**Seema Sood: 5**
Sarita Mohapatra: 5	**Aashish Choudhary: 6**	**Gagandeep Singh: 7**
Hitender Gautam: 5	**Megha Brijwal: 2**	**Kiran Bala: 1**
Priyam Batra: 5	**Tanu Sagar: 4**	

Lalit Dar

1. Basics of Human Papillomavirus Testing, AIIMS-WHO Cervical Cancer Prevention Workshop, 20 August 2024, Delhi
2. Recently Licensed Vaccines and Newer Approaches for the Prevention of Viral Infections, 3rd Rajasthan Microcon, 28 September 2024, Bikaner
3. Oncogenic Viruses, 1st Annual Clinical Virology Summit, 8 October 2024, Delhi
4. Viral Infections in the Intensive Care Unit, 4th Annual Conference of the Emirates Society of Clinical Microbiology (ESCM), 17 November 2024, Ras Al-Khaimah, UAE

Bimal Kumar Das

1. Molecular testing - Introduction, Indian Association of Medical Microbiology (IAMM) workshop on Automated Bacterial culture, identification and Antimicrobial susceptibility, 8-10 October 2024, Delhi
2. Speaker on Antimicrobial Resistance, LABTECHCON -2024, 43rd All India Medical Laboratory Technologists Association conference, 21-22 October 2024, Delhi
3. Speaker on Surgical infections, AIIMS-HISI Delhi Chapter conference on Shielding the Scalpel: Advancing Surgical Site Infection Prevention, 14 December 2024, Delhi

Bijay Ranjan Mirdha

1. Current situation and control measures for malaria, South Delhi Municipal Corporation, MCD, Delhi under the aegis of NVBD**,** 11 September 2024, Delhi

2. Epidemiology and diagnosis of dengue, South Delhi Municipal Corporation, MCD, Delhi under the aegis of NVBD**,** 11 November 2024, Delhi

Immaculata Xess

1. Approaches for Laboratory Diagnosis of fungal infection including sample processing, Workshop on 'Fungal Diagnostics', 30 August 2024, Delhi
2. Chromoblastomycosis, ISMM Biennial Conference, 21 February 2025, Chennai

Benu Dhawan

1. Therapeutic Options for MRSA and VRE, Hands on Workshop "Automated bacterial culture, identification, antimicrobial susceptibility testing including molecular resistance markers." Under the aegis of IAMM, 10 October 2024, Department of Microbiology, AIIMS, New Delhi.
2. Surgical Site Infection Prevention Today: Bridging Current Insights with Effective Practices, HISI- Delhi NCR Chapter Meet, "Shielding the Scalpel: Advancing Surgical Site Infection Prevention", 14 December 2024, AIIMS, New Delhi

Seema Sood

1. Recent Advances in diagnosis and resistance patterns of *Neisseria gonorrhoeae*, 48th National Conference of IASSTD & AIDS (ASTICON-2024), 29 August- 1 September 2024, New Delhi
2. Diagnostic Stewardship in VAP: Case-based discussion, IAMM Workshop- Hands-on workshop on "Automated bacterial culture, identification, antimicrobial susceptibility testing", 8-10 October 2024, AIIMS, New Delhi
3. Contributions to Microbiology, 64th NAMS Annual Conference & Convocation (NAMSCON 2024)- Plenary Session, 22-24 November 2024, AIIMS, Jodhpur
4. Introduction: Knock, Knock ! It's Nocardia, Clinical Grand Round (CGR), 18 March 2025, AIIMS, New Delhi
5. Non-cystic fibrosis Bronchiectasis, PULMOCRIT-2025 Panel -discussion, 22 March 2025, AIIMS, New Delhi

Sarita Mohapatra

1. Biomedical waste management, Lecture series under Swachh Bharat Abhiyan Scheme**,** 14 June 2024**,** ICMR NICPR, Noida
2. LMIC a monolith is a fallacy to be broken for AMSP, ASPICON 2024**,** 24 August 2024**,** PGIMER, Chandigarh
3. Role of Microbiology in sepsis management, Sepsis Management**,** 28 September 2024**,** Online, Pfizer
4. Infection prevention and control strategies against MDR0s in hospital, Hospital Infection Control (HICON), Gwalior 2025**,** 15 February 2025**,** Cancer Hospital & Research Institute, Gwalior
5. Ensuring disinfectant efficacy and role of environmental surveillance, Hospital Infection Control (HICON), Gwalior 2025**,** 15 February 2025**,** Cancer Hospital & Research Institute, Gwalior

Aashish Choudhary

1. Acute Liver Failure (ALF) due to HAV- Current trends, 1st National CME on 'Hepatitis- An Update' on World Hepatitis Day, 28 July 2024, Mangalagiri, Andhra Pradesh
2. Chandipura Virus re-emergence- An Update, Indian Academy of Paediatrics (IAP) Delhi, 1 August 2024, Delhi
3. Viral gastroenteritis – An Update on Noroviruses, Sapoviruses, Adenoviruses, and Astroviruses), 1st Annual Clinical Virology Summit: 'Winning Over the Viruses', 8 October 2024, Delhi
4. Antiviral drugs- Mechanisms of drug resistance, IAMM Delhi Chapter- PG Masterclass, 29 November 2024, Delhi
5. Stewardship in Clinical Virology, 3rd National Advanced Hands-On Workshop on Antimicrobial Stewardship Practices, 11 January 2025, Mangalagiri, Andhra Pradesh
6. Molecular techniques in Diagnostic Clinical Microbiology, UP-UK MICROCON 2025- 'Bench to Bedside-Combating Antimicrobial Resistance', 14 February 2025, Meerut

Gagandeep Singh

1. Mould Identification, Workshop on 'Fungal Diagnostics', 30 August 2024, Delhi
2. Hospital acquired fungal infections, VMMC & Safdarjung Hospital, 16 September 2024, New Delhi
3. Appropriate Antifungal Therapy, 3rd Advanced National Hands - On Workshop on Antimicrobial Stewardship, 11 January 2025, Vijaywada
4. Therapeutic Drug Monitoring, 3rd Advanced National Hands - On Workshop on Antimicrobial Stewardship, 11 January 2025, Vijaywada
5. Biomedical waste management and management of needle stuck injury, Induction Training Programme for newly recruited Medical Officers' from at NTA, ESIC, 23 January 2025, New Delhi
6. Antifungal resistance, HISICON 2025, 8 February 2025, Lucknow
7. Malassezia infections: an update, ISMM Biennial Conference, 23 February 2025, Chennai

Hitender Gautam

1. Hand Hygiene: Impact on Health Care**,** World Hand Hygiene Day, 7 May 2024**,** Dr. B.R.A. IRCH AIIMS, New Delhi
2. Importance of Hand Hygiene for Health care workers (HCWs), World Hand Hygiene Day, 8 May 2024, Surgical Block, AIIMS, New Delhi
3. Role of Microbiology in Healthcare, SERB (SCIENTIFIC & ENGINEERING RESEARCH BOARD) SCIENTIFIC SOCIAL RESPONSIBILITY (SSR), 29 August 2024, Dyal Singh College, University of Delhi
4. AST in Gram negative bacilli (GNB) focusing on Carbapenem and colistin resistance, IAMM Hands-on workshop on "Automated bacterial culture, identification, antimicrobial susceptibility testing including molecular resistance markers, 9 October 2024, AIIMS, New Delhi
5. Bacterial diarrhoea& AMR, AMR Educate Project Workshop: Fight Against Resistance: Merging Genomics, Photonics, AI, and Clinical Approaches, 21 October 2024, Tromso, Norway

Megha Brijwal

1. Laboratory consideration for COVID-19 diagnosis and NGS workflow, Post pandemic challenges in COVID-19 research, 20 April 2024, Delhi
2. Digital PCR, Advanced techniques in infectious diseases diagnostics, 4 January 2025, Faridabad, Haryana

Kiran Bala

1. Lecture on "Hand Hygiene importance in Health care", World Hand Hygiene day on theme "Promoting knowledge and capacity building of health and care workers", 4 May 2024, New Delhi

Priyam Batra

1. Importance of Hand Hygiene(public lecture—patients and relatives in Surgery OPD), World Hand Hygiene Day, 5 May 2024, AIIMS, New Delhi
2. Biomedical Waste Management, Sampling and vaccination, Orientation workshop for 1st semester MS general surgery Junior Residents, 10 August 2024, AIIMS, New Delhi
3. Antimicrobial stewardship, Pathcon and Lab Expo 2024**,** 20-22 December 2024**,** Manekshaw Convention Centre
4. Longitudinal Rolling Seminar on Thematic Challenges and Remedies Conclusion and Recommendations 1. Bundle approach for preventing SSI 2. Antimicrobial usage in surgical practices**,** 18th National Conference of Hospital Infection Society-India, 6-8 February 2025, SGPGI, Lucknow
5. Hand Hygiene and general canteen upkeep, Food Safety Initiative, 21 February 2025, AIIMS, New Delhi

Tanu Sagar

1. Diagnosis of Lyme diseases: A clinical dilemma (Interesting case reports), Dissemination workshop of Lyme disease task force study and capacity building for entomological methods, diagnosis and management of Lyme disease, 22-24 April 2024, Dibrugarh

2. Laboratory diagnosis of *C. difficile*, Hands-On Workshop On Anaerobes, MICROCON 2024, 21 October 2024, Pune
3. Infection Control, Postgraduate Course in Research Methodology, Writing, and Communication, AIIMS Delhi, 15 November 2024, Delhi
4. Skin processing, Skin Donation Training and Awareness Program in collaboration with ORBO, New Delhi, 21 December 2024, Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
37	51	52

List of oral papers/posters presented: 56

1. Bala K, Gautam H, Mohan A, Singh UB, Determination of resistant pulmonary tuberculosis with viability assay (fluorescein diacetate staining) for assessing treatment response, 18th Congress of the International Union of Microbiological Societies (IUMS), 23-25 October 2024, Florence, Italy
2. Bala K, Rekha, Sethi P, Singh UB, Diagnostic accuracy of virulence factor urinary lipoarabinomannan antigen (lam) for extra pulmonary tuberculosis in HIV negative population, 18th Congress of the International Union of Microbiological Societies (IUMS), 23-25 October 2024, Florence, Italy
3. Bardoloi T, Xess I, Singh G, Pandey M, Thakar A, Wig N, Mathur P, Diagnostic performance of in- house real time PCR assay on whole blood for diagnosis of Invasive Aspergillosis and Invasive Mucormycosis, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 2 August 2024, Bangkok, Thailand[1]
4. Basu A, Biswas J, Chaudhary R, Dhawan B, Chronic sexually acquired reactive arthritis, associated with extragenital *Mycoplasma genitalium* infection in an MSM – a case report, 48th National Conference of IASSTD & AIDS, New Delhi, 31 August-1 September 2024, New Delhi
5. Batra P, Chaudhary K, Gautam H, Mohapatra S, Sood S, Dhawan B, Das BK, Bacteriological Profile and antibiotic susceptibility pattern of Ascitic Fluids of a Tertiary Care Hospital of North India, IAMM Delhi Chapter, 10 August 2024, Delhi
6. Batra P, Gautam H, Falwaria Y, Sharma T, Singh D, Rathore Y, Kataria K, Krishna A, Bansal VK, Das BK, Knowledge, Attitude and Practice towards Antimicrobial Resistance amongst Nursing Officers: A cross-sectional study, XVIII HISICON- Annual Conference of the Hospital Infection Society- India, 6-8 February 2025, Lucknow
7. Batra P, Tanwar M, Arya S, Bakshi A, Soren S, Rai SK, T Nelson, Gautam H, Ranjan P, Joshi M, Mehmood K, Chumber S, Das BK, Assessment of Hand Hygiene Progress using the WHO Hand Hygiene Self-Assessment Framework: a Multimodal multidisciplinary approach at a tertiary care surgical center of a developing nation, HISI Delhi Chapter, 14 December 2024, AIIMS, New Delhi
8. Bhatt R, Bala K, Rath A, Kumar K, Singh UB, Comparative evaluation of genotypic drug susceptibility testing by two platforms XPERT MTB-RIF and XPERT MTB XDR with phenotypic drug susceptibility testing (MGIT-DST) for multi drug resistant tuberculosis, AIIMS 4th Annual Research Day, 30 January 2025, AIIMS, New Delhi
9. Biswal D, Aggarwal A, Chaudhry R, Kapil A, Vikram N, Wig Naveet, Soneja M, Sreenivas V, Dhawan B, Clandestine agents of sterile pyuria: Prevalence and determinants of *Chlamydia trachomatis*, ureaplasma species, *Mycoplasma hominis* and *Mycoplasma genitalium,* 48th National Conference of IASSTD & AIDS, New Delhi, 31 August-1 September 2024, New Delhi
10. Biswas J, Shukla J, Kumari L, Nityadarshini N, Mahajan M, Bala K, Mirdha BR, Singh UB, Clinical charades of Non-tuberculous mycobacteria (NTM) in a tropical region, ASM Microbe, 13-17 June 2024, Atlanta, Georgia, USA
11. Bordoloi T, Bala Kiran, Biswas J, Rathee R, Sharma B, Nityadarshini N, Bir R, Yadav V, Singh UB, Evolving nature of tuberculosis in the post-pandemic world, AIIMS 4th Annual Research Day, 30 January 2025, AIIMS, New Delhi
12. Challa A, Kachhawa G, Nagpal S, Sood S, Taneja B, Dhawan B, Gupta S, Can successful Management of bacterial vaginosis influence pregnancy outcomes in unexplained infertility?, 48th National Conference of IASSTD & AIDS, New Delhi, 31 August-1 September 2024, New Delhi

13. Challa A, Nagpal S, Taneja B, Sharma U, Tyagi R, Kumar P, 3, Kachhawa G, Gupta S, Machine learning based multi-omics data integration for diagnosis of bacterial vaginosis in Indian women, 25th IUSTI 2024 World Congress, 17-20 September 2024, Sydney, Australia
14. Challa A, Nagpal S, Tyagi R, Sharma U, Sood S, Kachhawa G, Taneja B, Gupta S, Multi-omics strategies for elucidation of pathophysiology of bacterial vaginosis, International Conference on Reproductive Biomedicine: Integrating Basic Biological and Applied Research into Clinical Practice for Human Welfare, 14-16 February 2025, Jaipur
15. Chaudhary K, Gautam H, Batra P, Mohapatra S, Sood S, Dhawan B, Das BK, Strengths and limitations of Ceftazidime/avibactam plus aztreonam combination: Time to move from empirical to targeted move, ECCMID 2024, 27-30 April 2024, Portugal
16. Chaudhary K, Gautam H, Batra P, Mohapatra S, Sood S, Dhawan B, Das B K, Rapid Carbapenemase Detection from Positive Blood Culture Bottles by Blood Cell Lysis-Extraction: a tool for early initiation of targeted therapy in bloodstream infections, 2nd Chapter Meet of the IAMM Delhi Chapter, 10 August 2024, New Delhi, India
17. Chowdhury S, Sikdar S, Dhawan B*, Malhotra R, Worrying rates of MDR organisms causing PJI; A retrospective study from India, European Society of Clinical Microbiology and Infectious Diseases (ESCMID) Global, 27-30 April 2024, Barcelona, Spain
18. Dahiya S, Kumari B, Katiyar A, Kaur P, Sood S, Kapil A, Mohapatra S, Das BK, Emergence of Extensively Drug-Resistant *Salmonella* Typhi – Does it Raise Concerns in India?, 3rd Research Day, AIIMS, Delhi, 30 January 2024, Delhi
19. Damle N, Ganapathy C, Venugopal A, Patwardhan V, Verma N, Sagar T, Soneja M, Singh A, Prakash B, Spectrum of 18F-FDG PET/CT Findings in patients with uncommon bacterial infections - A retrospective single centre experience, NMU 2025, 6-9 February 2025, Singapore.
20. Das R, Batra P, Gautam H, Das BK, Mohapatra S, Sood S, Dhawan B, A Comparative Evaluation of Widal Test and Blood Culture for Diagnosing Enteric Fever, 2nd Chapter Meet of the IAMM Delhi Chapter, 10 August 2024, New Delhi, India
21. Didwania A, Bhatt M, Kodan P, Singh B, Perumalla S, Mohapatra S, Soneja M, Wig N, Carbapenemase resistance detection by direct Xpert Carba-R assay on flagged blood cultures, ID week, 18 October 2024, Los Angeles, USA[2]
22. Gautam H, Rawat VS, Shrivastav A, Tyagi S, Singh S, Soneja M, Madan K, Vibha D, Velpandian T, Mohapatra S, Sood S, Dhawan B, Das BK, Biomarkers in infection vs colonization vs inflammation: a comprehensive analysis of critical care patients, 18th Congress of the International Union of Microbiological Societies (IUMS), 23-25 October 2024, Florence (Italy)
23. Gautam H, Sangma R, Mohapatra S, Sood S, Dhawan B & Das BK, Extrication of Colistin & Tigecycline resistance through Quorum-sensing inhibitor: Targeting both acquired and intrinsic antimicrobial resistance, 18th Congress of the International Union of Microbiological Societies (IUMS), 23-25 October 2024, Florence (Italy)
24. Gautam H, Singh S, Mohapatra S, Sood S, Dhawan B, Das BK, Molecular characterization for virulence and antimicrobial resistance markers detection in invasive *Escherichia coli* pathotypes from different clinical samples, 18th Congress of the International Union of Microbiological Societies (IUMS), 23-25 October 2024, Florence (Italy)
25. Gera B, Brijwal M, Choudhary A, Jethani J, Dhakad S, Hasan W, Kumar A, Dar L, Association of SARS-CoV-2 spike RBD mutation patterns and lineages with symptomatic and symptomatic clinical groups of COVID-19, 1st Annual Clinical Virology Summit, 8 October 2024, New Delhi[3]
26. Giri T, Gautam H, Tyagi S, Shrivastav A, Kumari M, Batra P, Mohapatra S, Sood S, Dhawan B, Das BK, Enhanced detection of acute bacterial meningitis by Conventional and Real-Time PCR, 4th Research Day, 30 January 2025, AIIMS, New Delhi
27. Gourav S, Mishra H, Xess I, Bhalla A, Chandola S, Gupta S, Priya K, Shukla B, Manhas A, Pandey M, Rana B, Singh G, Microscopy to molecular: Why's and How's of microbiological identification of *Fusarium spp.* as the causative agent of invasive diseases in humans, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 2 August 2024, Bangkok, Thailand
28. Jethani J, Brijwal M, Choudhary A, Das R, Gera B, Dar L, Respiratory syncytial virus (RSV) disease in patients presenting with respiratory illnesses- Experience from a tertiary care hospital, RSV Symposium 2025, 13 March 2025, Iguazu, Brazil [4]
29. Jethani J, Brijwal M, Gera B, Kumar A, Choudhary A, Das R, Dar L, Incidence and outcomes in patients with SARS-CoV-2 and influenza co-infection, 1st Annual Clinical Virology Summit, 9 October 2024, New Delhi[5]

30. Jethani J, Sameer S, Choudhary A, Brijwal M, Dar L, Incidence of influenza and other respiratory viruses in adults following HSCT, OPTIONS XII for Control of Influenza, 1 October 2024, Brisbane, Australia[6]

31. Jonnalagadda K, Dhawan B, Goel A, Ajayababu A, Mohapatra S, Gautam H, Das B. K, Soneja S, Wig N, Non- utility of catheter tip culture in the diagnosis of catheter related bloodstream infections, ID Week, 16-19 October 2024, Los Angeles, USA

32. Kocher D, Mohapatra S, Pundir S, Das BK, Sood S, Gautam H, Nayak B, Kapil A, Kalaivani M, Hari P, Molecular characteristics of pandemic strain O25b-ST131 among Uropathogenic E. coli causing community-acquired UTI in India, IAMM-Delhi Chapter, 10 August 2024, MAMC, New Delhi[7]

33. Kocher D, Mohapatra S, Pundir S, Kumar BK, Sood S, Gautam H, Nayak B, Kapil A, Kalaivani M, Hari P, Molecular characteristics of pandemic strain O25b-ST131 among Uropathogenic E. coli causing community-acquired UTI in India, 4th Research Day Exhibition, AIIMS, New Delhi, 30 January 2025, AIIMS, New Dew

34. Kumar K, Bala K, Ahmed J, Kumari S, Bir R, Garg B, Singh UB, Improved detection of bone and joint tuberculosis with newer diagnostic modalities, MICROCON, 22-24 November 2024, Pune, India.

35. Kumar K, Bhatt R, Nityadarshini N, Biswas J, Ahmed J, Bir R, Yadav V, Kumari S, Xess AB, Agrawal S, Bala K, Singh UB, Multi-drug-resistant tuberculosis: Time trends of Rifampicin resistance mutations detected over eight years by GeneXpert MTB/RIF assay, ESCMID/ASM Conference on Drug Development, 17-20 September 2024, Porto, Portugal.

36. Manhas A, Singh G, Xess I, Das B, Madan K, Ray A, Siddharth V, Wig N, Molecular epidemiology and In-vitro antifungal susceptibility of Cryptic Aspergillus species from clinical and environment samples, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 2 August 2024, Bangkok, Thailand

37. Narayan M, Gautam H, Batra P, Das BK, The way ahead with the reverse algorithm: Evaluation of the performance characteristics of a rapid treponemal immunochromatographic test, 2nd Chapter Meet of the IAMM Delhi Chapter, 10 August 2024, New Delhi, India

38. Narayan M, Mohapatra S, Das BK, Gautam H, Sood S, Dhawan B, Reducing turnaround time by rapid identification and antimicrobial susceptibility testing directly from urine combining conventional with automated technology advancing integrated stewardship, ESCMID 2024, 29 April 2024, Barcelona Spain

39. Narayan M, Mohapatra S, Gautam H, Sood S, Dhawan B, Das BK, Rapid identification and antimicrobial susceptibility testing directly from urine specimen reducing the Turnaround time: advancing integrated stewardship, IAMM first chapter meet, 4 May 2024, Kailash Hospitals Noida

40. Naskar T, Gautam H, Sharma P, Batra P, Mohapatra S, Sood S, Dhawan B, Das BK, Omadacycline Susceptibility in MDR *Acinetobacter baumannii*: A Comparative Study with Tetracycline and the Role of AdeABC Efflux Pump, 4th Research Day, 30 January 2025, AIIMS, New Delhi

41. Nityadarshini N, Biswas J, Khyati, Jain S, Bala K, Mirdha BR, Singh UB, Over-reporting Of Rifampicin Resistance By Cartridge-based MTB/RIF Assay: A Cause For Concern, ASM Microbe, 13-17 June 2024, Atlanta, Gerogia, USA

42. Pandey M, Priya K, Singh G, Xess I, Gupta S, Gourav S, Rana B, Standardization of *Histoplasma capsulatum* Real time PCR in Indian Scenario, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 2 August 2024, Bangkok, Thailand

43. Pant S, Mirdha BR, Makharia G, Das P, Jadon RS, Study of Enteric Parasitic Infections to Delineate Low Grade Inflammation in Patients with Functional Dyspepsia, Infectious Disease Week, 16-19 October 2024, Los Angeles, USA

44. Patwardhan V, Dileep P, Rathi A, Sagar T, Verma N, Leptospirosis: Unveiling the Hidden Threat in a Non-Endemic Region in Delhi, CAHO Diagnosti CON 2025, 9 February 2024, Delhi[8]

45. Pundir S, Mohapatra S, Gautam H, Sood S, Dhawan B, Das BK, Prevalence of Virulence Determinants Associated with Uropathogenic *Escherichia coli* (UPEC) from Community Settings in Different Geographical Regions of India using Phenotypic and Genotypic Methods, 4th Research Day Exhibition, AIIMS, New Delhi, 28 January 2025, AIIMS, New Delhi

46. Rana B, Singh G, Brijwal M, Choudhary A, Gourav S, Pandey M, Xess I, Probable Relatedness of Dengue and Fungal Infection- A case series from Multi-specialty Hospital in India, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 2 August 2024, Bangkok, Thailand

47. Rath A, Bala K[#], Kumar K, Bhatt R, Singh UB, Trends of drug resistance in Rifampicin (Rif) resistant Mycobacterium tuberculosis cases, 2nd Chapter Meet of IAMM Delhi Chapter, 10 August 2024, Maulana Azad Medical College & Associated Hospital, New Delhi

48. Rath A, Bala K[#], Kumar K, Bhatt R, Singh UB, Tuberculous & Non-Tuberculous Mycobacteria in Surgical site infections, AIIMS 4th Annual Research Day, 30 January 2025, AIIMS, New Delhi
49. Rathi A, Sagar T, Vinayaraj E, Verma N, Rare presentation of Mycoplasma pneumoniae: Case report and literature review, ESCMID, 27-30 April 2024, Barcelona, Spain
50. Sharma D, Gupta S, Verma R, Singh R, Sood S, Sexual Health in high-risk population: Screening for bacterial STIs, 4th AIIMS Annual Research Day, New Delhi, January 29-30, 2025, 29-30 January 2025, New Delhi
51. Singh G, Sachdev J, Gourav S, Xess I, Soneja M, Siddharth V, Impact of an institutional antifungal stewardship program (AFSP) on antifungal usage in patients with invasive fungal infections: a single centre study from India, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 02 August 2024, Bangkok, Thailand
52. Singh S, Gautam H, Rawat VS, Tyagi S, Mohapatra S, Sood S, Dhawan B, Das BK, Molecular Insights into *Escherichia coli* from Different Clinical Sources: A Comparative Analysis of Virulence and Antimicrobial Resistance, 5th Science Conclave cum National Biomedical Research Competition (NBRCOM) 2024, Jointly organized by AIIMS and SCMM, JNU, New Delhi Under the aegis of Society of Young Biomedical Scientists (SYBS), India, 01-03 December 2024, AIIMS, New Delhi
53. Singh S, Supervision:-Gautam H, Acquiring new skills and cutting-edge techniques into molecular characterization and AMR profiling, AMR-EDUCATE workshop UTFORSK Funded AMR-Educate "Fight Against Resistance: Merging Genomics, Photonics, AI, and Clinical Approaches, 21-22 October 2024, Artic University of Tromso, Tromso, Norway
54. Singh S, Gautam H, Tyagi S, Rawat VS, Mohapatra S, Sood S, Dhawan B, Das BK, Comparative genomic profiling of *Escherichia coli* pathotypes from sterile body fluids vs Blood isolates: Analyzing antimicrobial resistance and virulence patterns, IAMM Delhi Chapter, 4 May 2024, Kailash Hospital, Noida
55. Verma R, Gupta S, Bhattacharya A, Singh R, Sood S, Trends in Extragenital Gonorrhoea in MSM attending STI clinic in a Tertiary Care Hospital, 48th National Conference of IASSTD & AIDS (ASTICON-2022), New Delhi, 29 August-1 September 2024, New Delhi
56. Xess I, Singh G, Gourav S, Pandey M, Changing epidemiology of Cryptococcosis in a tertiary care Hospital, ISHAM Asia Congress- Advances in Medical mycology from laboratory to Clinic, 2 August 2024, Bangkok, Thailand

[1] Best poster presentation award.

[2] Received Kass award in ID Week, 2024

[3] Best Poster (Compensatory) Award

[4] Gates Scholarship

[5] Best Poster Award (PhD) Category

[6] Sanofi Scholarship

[7] Received Best poster in PhD category in IAMM-Delhi Chapter, 2024

[8] Oral presentation - Awarded First Prize

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
43	43	56

RESEARCH

Funded Projects

Ongoing

1. Antimicrobial susceptibility patterns of pathogens isolated in bloodstream infections vis a vis antibiotic prescribing practices and genotypic clonality of *Acinetobacter baumannii* in various patient care units/areas, Dr Hitender Gautam, Inter-Disciplinary AIIMS IMRG, 1 Year, January 2024, January 2025, Rs 4.90 Lakhs
2. CD4 testing program, Dr. Bimal Kumar Das, NACO, Continuous, 2005, Continuous, Testing kits provided by NACO, Rs 0.50 Lakhs for consumables

3. Characterization of human antibody responses to *Plasmodium vivax* in India". (Through INSPIRE faculty programme), Dr BR Mirdha, Department of Science and Technology, 5 Years, 2023-2028, Rs 7 Crore
4. Clinical and epidemiological study of Lyme disease: a multi-centric taskforce study in India, Dr Nishant Verma, ICMR, 5 Years, 2020-2025, Rs 120.00 Lakhs
5. Comparative genomic and epigenetic analysis for identification of novel biomarkers of uropathogens causing recurrent Urinary Tract Infection, Dr. Sarita Mohapatra, BFI BIOME, 2 Years, 2024-2026, Rs 20.93 Lakhs
6. CRISPR/Cas9 approach targeting virulence and resistance genes of uropathogenic *Escherichia coli*-uncovering its therapeutic potential in urinary tract infection, Dr. Sarita Mohapatra, ICMR, 3 Years, 2025-2028, Rs 26.73 Lakhs
7. Detection and Molecular Characterization of *Diarrheagenic Escherichia coli* as a cause of morbidity and mortality in children under 5 years of age presenting with acute diarrhea, AIIMS Site PI: Dr. Hitender Gautam, Department of Health Research (DHR), 3 Years, 2024-2026, Rs 20.42 Lakhs
8. Detection of HHV-6 viremia in post allogenic hematopoietic stem cell transplant recipients, Dr. Megha Brijwal, AIIMS Intramural research grant (UG Research Mentorship scheme), 6 Months, 2025-2025, Rs 1.50 Lakhs
9. Detection of *Mycoplasma pneumoniae* infections in acute exacerbation of Chronic Obstructive Pulmonary Disease, Dr. Tanu Sagar, AIIMS- Intramural, 2 Years, 2024-2026, Rs 9.80 Lakhs
10. Detection of *Salmonella* serovars and their associated resistance marker directly from blood specimen using paper based DNA biosensor, Dr Bimal Kumar Das, ICMR, 2 Years, 2024-2026, Rs 135.69 Lakhs
11. Detection of viable but non-culturable (VBNC) Gram-negative bacteria in sepsis and meningitis: Clinical significance in AMR stewardship, Dr Hitender Gautam, AIIMS-THSTI Collaborative Project, 2 Years, 2023-2025, Rs 10 Lakhs
12. Development and validation of novel Candida Leucine aminopeptidase 2 based immunoassay for the diagnosis and prognosis of invasive candidiasis among patients with cirrhosis, Dr. Gagandeep Singh, ICMR, 3 Years, 2025-2028, Rs 16 Lakhs
13. Enhancing infectious disease diagnosis quality: External Quality Assurance Program, Dr. Megha Brijwal, ICMR, 3 Years, 2024-2027, Rs 50 Lakhs
14. Establishment of Centre of Advanced Research for Bacteriophage Research and Therapy to combat Multidrug Resistant infections caused by ESKAPE pathogens, Dr. Tanu Sagar, ICMR, 5 Years, 2024-2029, Rs 739.60 Lakhs
15. Evaluation of NF- κB based reactivation of latency in HIV infected individuals who are on antiretroviral therapy for more than 15 years: A Quest for Cure, Dr Bimal Kumar Das, DHR (HRD scheme), 3 Years, 2022-2025, Rs 50.92 Lakhs
16. Evaluation of role of B-1 cells in modulating the response of T cells in HIV infected patients pre and post antiretroviral therapy: Cohort study, Dr Bimal Kumar Das, ICMR, 3 Years, 2022-2025, Rs 50.41 Lakhs
17. Expanded viral etiological investigation of genital ulcer disease with phenotyping and genotyping for antiviral drug resistance in herpes simplex viruses, Dr. Megha Brijwal, ICMR, 3 Years, 2023-2026, Rs 59 Lakhs
18. Exploring SELEX technology for potential POCT development for Genital *Chlamydia trachomatis*, Dr. Seema Sood, ICMR, 3 Years, 2022-2025, Rs 50 Lakhs
19. External Quality Assurance Scheme (EQAS) of National HIV/AIDS Reference Laboratory, AIIMS, Delhi**,** Dr. Bimal Kumar Das**,** NACO**,** Continuous**,** 2005**,** Continuous**,** Rs 14 Lakhs/Annum
20. HIV integrated counseling and testing (ICTC)**,** Dr. Bimal Kumar Das**,** NACO**,** Continuous**,** 2005**,** Continuous**,** Kits are provided by NACO and the rest is taken care of under EQAS budget
21. ICMRs: Advanced Mycology Diagnostic and Research Centre (AMDRC)**,** Dr. Immaculata Xess**,** ICMR**,** 5 Years, 2022-2027, Rs 250 Lakhs
22. Identification of Novel nucleic acid signatures of AMR in ESKAPE pathogens: Role in antimicrobial resistance detection and antimicrobial stewardship, Dr. Hitender Gautam, AIIMS-IGIB Collaborative Project, 2 Years, 2025-2027, Rs 10 Lakhs
23. Infectious Disease Research & Diagnostic Laboratory (IRDL), Dr. Lalit Dar (Coordinating PI) PIs: Dr Bimal K Das, Dr BR Mirdha, Dr I Xess, DHR-ICMR Scheme, Continuous, January 2025, Continuous, Rs 285.55 Lakhs
24. Knowledge, Attitude, and Practices towards herpes zoster (shingles) vaccination among the geriatric population in a tertiary care hospital in Delhi, Dr. Aashish Choudhary, ICMR Call for Short-term Studentship (STS) for 3rd term MBBS/BDS candidates, 3 Months, 2024-2025, Rs 0.30 Lakhs

25. Label-free multiple-beam excitation and plasmon enhanced Raman spectroscopy for rapid and label-free molecular detection of bacteria strains: A point-of-care fast and accurate molecular testing technique, Dr. Sarita Mohapatra (Co-PI), MoE-STARS, 3 Years, 2024-2027, Rs 3.50 Lakhs
26. Micro-nano structured urinary catheter to minimize catheter-associated urinary tract infection, Dr. Sarita Mohapatra (Co-PI), MoE-STARS, 3 years, 2023-2026, Rs 10.67 Lakhs
27. Molecular Epidemiology and In-Vitro Antifungal Susceptibility of Cryptic Aspergillus species from Clinical and Environment samples, Dr. Gagandeep Singh, ICMR, 3 Years, 2022-2025, Rs 35 Lakhs
28. Multi-centric study on prevalence of Mycoplasma genitalium and its resistance markers in the high–risk group (MSM and FSW) attending sexually transmitted disease clinics in North India, Dr Benu Dhawan, ICMR, 3.5 Years, 2021-2025, Rs 28.65 Lakhs
29. NACO Regional Reference Laboratory for HIV early infant diagnosis (EID), Dr. Aashish Choudhary, National AIDS Control Organization (NACO), No fixed duration, 2012, Ongoing, Rs 106 Lakhs
30. NACO Regional Reference Laboratory for HIV viral load (VL), Dr. Aashish Choudhary, National AIDS Control Organization (NACO), No fixed duration, 2019, Ongoing, Rs 64 Lakhs
31. National Program for the Surveillance of Viral Hepatitis, Dr. Aashish Choudhary, Ministry of Health & Family Welfare (MoHFW), 5 Years (extendable), 2020, Ongoing, Rs 1 Lakh
32. Non-tubercular mycobacteria responsible for pulmonary disease and infections in procedures involving prosthetic devices, laparoscopy or following other interventions, Dr. Kiran Bala, AIIMS, Intramural Research Grant, 2 Years, 2023-2025, Rs 4.95 Lakhs (both years)
33. Platform for discovery of novel therapeutic monoclonal antibodies against MDR and XDR *Klebsiella pneumoniae*, Dr. Sarita Mohapatra (Co-PI), DBT-BIRAC, 3 Years, 2023-2026, Rs 4.89 Lakhs
34. Platform for enhanced pathogen detection for meningitis and sepsis: Rapid, portable, and field-deployable diagnostics. IIRPIG-2023-0001405, AIIMS Site PI: Dr. Hitender Gautam, ICMR, 4 Years, March 2024, February 2028, Rs 93.46 Lakhs
35. Point-of-care test development for Bacterial Vaginosis (BV): Bench to bedside (Clinical validation of proof-of-concept), Dr Seema Sood, ICMR, 3 Years, 2024-2027, Rs 75 Lakhs
36. Proteomics study of *Giardia intestinalis* isolates to associate with different clinical spectrum and extrapolate its invasive potential, Dr Nishant Verma, ICMR, 3 Years, 2023-2026, Rs 48.69 Lakhs
37. Quantification of JC Polyomavirus in CSF samples from suspected Progressive Multifocal Leukoencephalopathy patients by Digital PCR**,** Dr. Megha Brijwal, AIIMS Intramural research grant, 1 Year, 2024-2025, Rs 5 Lakhs
38. Regional Virus Research and Diagnostic Laboratory (RL-VRDL), Dr. Aashish Choudhary, Department of Health Research (DHR), 10 Years (extendable), 2019, Ongoing, Rs 986 Lakhs
39. Site-specific biomarkers to differentiate infection from either colonization or aseptic inflammation in ICU, Dr. Hitender Gautam, ICMR, 3 Years, 2023-2025, Rs 73.39 Lakhs
40. To determine the prevalence of common virulence determinants associated with Uropathogenic *Escherichia coli* from community-setting at different geographical regions of India using phenotypic and genotypic methods**,** Dr Sarita Mohapatra, ICMR, 1 Year, 2022-2025, Rs 5.53 Lakhs
41. Validation of blood based transcriptional biomarkers for diagnosis of extrapulmonary tuberculosis, Dr Kiran Bala, AIIMS- IGIB Inter-collaborative Research grant, 2 Years, 2025-2027, Rs 10 Lakhs

Completed

1. Genomic profiling of invasive and hospital acquired Escherichia coli pathotypes from different clinical samples to identify the virulence and antimicrobial resistance markers, Dr. Hitender Gautam, Science & Engineering Research Board SERB (Under DST), 2 Years 6 Months, 2022-2024, Rs 45.46 Lakhs
2. Nodal coordinating center for surveillance network of antimicrobial resistance in salmonella enterica serotype Typhi and Paratyphi, Dr. Bimal Kumar Das, Funded by ICMR, 2 Years, 2018-2024, Rs 239.22 Lakhs
3. Rapid electrochemical detection of MRSA and azithromycin- resistant NG: A Novel strategy, Dr Seema Sood, SERB-TARE, 3 Years, 2021-2024, Rs 15 Lakhs
4. Strengthening Capacity for Genomic Sequencing of Outbreak Prone Respiratory Pathogens like Influenza and Other Respiratory Viruses, Dr Megha Brijwal, CDC, APHL, 10 Months, 2023-2024, Rs 40 Lakhs

5. To determine gut colonization of *Clostridiodes difficile*, Vancomycin resistant Enterococci and Carbapenem Resistant Enterobacteriaceae in recovered COVID cases, Dr Priyam Batra, AIIMS Intramural, 2 Years, 2023-2024, Rs 20 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Study to Estimate Colonisation Rates of *Clostridioides difficile* in Hospitalised Patients
2. Detection of azole resistance in Candida parapsilosis by genotypic and phenotypic method
3. Detection of *Pneumocystis jirovecii(P.jirovecii)* and Human Cytomegalovirus (HCMV) infection in immunocompromised individuals.
4. Direct antimicrobial susceptibility testing (AST) on BAL samples from suspected VAP cases
5. Genotypic characterization of measles virus from clinical cases
6. HSV seroprevalence and asymptomatic viral shedding in pregnant women at the time of delivery - A Prospective Study
7. Identification and AMR profile of *Enteroaggregative E. coli* in acute diarrhoea cases
8. Identification of yeasts by MALDI-TOF from positive blood BACTEC bottles
9. Impact of Integrated Stewardship reinforcement among Health Care Workers on Diagnosis and Management of UTI: a Quality improvement study
10. Incidence and characteristics of VAE in an adult ICU
11. Incidence and Clinico-Microbiological Profile of Surgical Site Infections in a General Surgery ward in a Tertiary Care Hospital.
12. Assessment of Epstein-Barr Virus (EBV) viremia in patients with hemophagocytic lymphohistiocytosis: A Prospective Cohort Study
13. Incidence of Cytomegalovirus reactivation in patients with hemophagocytic lymphohistiocytosis: A Prospective Cohort Study
14. In vitro evaluation of amikacin-meropenem & amikacin-imipenem against CRPA
15. Molecular Characterization and antimicrobial resistance profile of Uropathogenic Escherichia coli (UPEC) from patients with UTI in India: Across-sectional study
16. Molecular characterization, prevalence and antimicrobial resistance profile of *Diarrheagenic Escherichia coli* (DEC) pathotypes in the pediatric diarrheal population
17. Molecular detection of viral pathogens causing non-gonococcal urethritis (NGU)
18. Nodal Center for Antimicrobial Resistance Research and Surveillance network to support secondary hospitals
19. Prevalence of CRE intestinal colonisation among patients admitted to a Medicine ward
20. Prevalence of human cytomegalovirus (HCMV) reactivation and tissue invasive disease in critically ill patients with sepsis
21. Prevalence of Shigella in men who have sex with men: A pilot study.
22. Prevalence, risk factors and outcome of *Stenotrophomonas maltophilia*Bacteraemia in a tertiary health care centre in India
23. Assessment of *Toxoplasma gondii* seropositivity and its association with lifetime suicidality in patients with Bipolar Disorder.
24. Prevalence, Virulence Markers, Antimicrobial Resistance Profile of *Enteropathogenic E. coli, Shigella spp, and Aeromonas spp.* among diarrheal cases
25. Study on hepatotropic viruses causing acute liver failure (ALF) in children
26. Study of Non Tuberculous Mycobacteria in surgical site infections with their antimicrobial susceptibility
27. Study of thymidine kinase gene polymorphisms in Herpes simplex virus positive clinical isolates

28. Synergy Testing of Ceftazidime-Avibactam Plus Aztreonam in XDR *Escherichia coli and Klebsiella pneumoniae* Strains: Clinical Outcomes and Mortality Analysis
29. AST and prevalence of *E. coli* in recurrent urinary tract infections
30. *Chlamydia trachomatis* and *Neisseria gonorrhoeae* coinfections in MSM
31. Clinical and microbiological characteristics of *Escherichia coli* isolates causing recurrent urinary tract infections
32. Clinical, radiological, microbiological profile of chronic pulmonary aspergillosis patients undergoing respective surgery
33. Clinico-Microbiological Profile of Patients with Acute Cholangitis
34. Detection and molecular characterisation of parasites from patients with functional dyspepsia (FD).

Completed

1. A study to estimates colonisation rates of *Clostridioides difficile* in hospitalized patients
2. Acute diarrhoeal disease due to typical and atypical enteropathogenic Escherichia coli among under-5 children.
3. BK and JC polyomavirus detection in patients with allogenic hematopoietic stem cell transplant
4. Central line-associated bloodstream infections and bacterial contamination among health care workers in medical ICU: a prospective observational study
5. Comparison of conventional and automated culture for aerobic bacterial isolates in Bacteraemia
6. Detection of Parvovirus B19 infection in patients with hematological disorders
7. Diagnosis of catheter related bloodstream infections at a tertiary hospital in North India- A prospective study.
8. Diagnostic utility of Lipoarabinomannan antigen detection in urine for the diagnosis of Spinal Tuberculosis
9. HCMV disease in pediatric leukemias (ALL and AML)
10. Identification and characterization of microsporidia in HIV-seropositive patients
11. In vitro susceptibility of Omadacycline against Extensively Drug Resistant (XDR) *Acinetobacter baumannii and Klebsiella pneumoniae* clinical isolates from bacterial meningitis and blood stream infections
12. Invasive fungal infection in ACLF patients-A prospective study
13. Point of care Lipoarabinomannan antigen detection in urine for the diagnosis of Pulmonary tuberculosis and Extra pulmonary tuberculosis (EPTB)
14. Prevalence of Histoplasmosis in Patients Suspected with Tuberculosis
15. Prevalence of *Strongyloides* infection among immunocompromised patients at a tertiary care hospital
16. Rapid electrochemical detection of MRSA and azithromycin- resistant NG: A Novel strategy
17. Role of aptamer technology in detection of Bacterial Vaginosis (BV) associated bacteria
18. Screening of stool and rectal swab specimens from admitted patients on antibiotics for Carbapenem resistant Enterobacterales, Carbapenem resistant Acinetobacter baumannii and Clostridioides difficile to detect carriers
19. Screening of stool specimens from admitted patients on antibiotics for Carbapenem resistant *Enterobacterales*, Carbapenem resistant *Acinetobacter baumannii*and *Clostridioides difficile* to detect carriers
20. Study of cytokines in Acute Bacterial Meningitis in pediatric population
21. Studies of malaria with special focus on detection of sub-microscopic malaria, characterization of species and correlation of clinical outcome
22. Study of thymidine kinase gene polymorphism in Herpes simplex virus positive clinical isolates
23. To explore the association of enteric parasitic infections with duodenal eosinophilia in

patients with functional dyspepsia (FD

Collaborative projects

Ongoing

1. A cross sectional study comparing gut microbiome composition of adolescents with depression and healthy controls, Psychiatry
2. A longitudinal prospective study to develop progression prediction models of oral leukoplakia based on oral microbiome shifts, salivary microRNA biomarkers and tobacco cessation compliance, Division of Oral Pathology and Microbiology, CDER
3. A preliminary study to validate BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill ventilated patients using post-mortem minimally invasive tissue sampling, Medicine, AIIMS
4. A study of gut microbiota and microbiome in Hirschsprung disease in children, Paediatric Surgery
5. A study on the incidence and factors determining exacerbations in non-cystic bronchiectasis, Medicine, AIIMS
6. Aerosolized colistin in VAP caused by carbapenem-resistant Acinetobacter, Anaesthesia
7. Ambispective observational study to assess alteration in fecal microbiota in operated patients of choledochal malformation, Department of Pediatrics Surgery
8. AMR-Educate: A multinational and interdisciplinary research-integrated education partnership for a sustainable future against infection and antimicrobial resistance threats". Funded by Norwegian Directorate for Higher Education and Skills, Department of Biophysics and Inland Norway University (INN), Norway
9. APP-DIP: Development of AI based prognostic platform for an early detection of infections in immunocompromised patients. Jointly sanctioned under Indo-Sweden Collaboration in Biotechnology (IITD) & AIIMS, New Delhi. Indo(DBT)-Sweden Collaboration, Indo-Sweden Collaboration in Biotechnology with IIT-D and Department of Medical Oncology, AIIMS, New Delhi
10. Aptamer-based diagnostic test for vulvovaginal candidiasis, Dermatology & Venereology, AIIMS
11. Assessment of Toxoplasma gondii seropositivity and its association with lifetime suicidality in patients with Bipolar Disorder, Psychiatry
12. CDC-AIIMS Cooperative Agreement projects on Influenza and other respiratory viruses, Centre for Disease Control (CDC), Atlanta (USA) and Centre for Community Medicine, AIIMS
13. Characterization of circulating immunological markers in patients with Non lactational mastitis – a cross-sectional study, Department of Surgical Disciplines
14. Characterization of human antibody responses to Plasmodium vivax in India, International Centre for Genetic Engineering Biotechnology (ICGEB)
15. Clinical and Biochemical parameters related with delirium in patients with UTI: A cross sectional study, Department of Geriatric Medicine
16. Clinical profile & outcomes of ventilator associated pneumonia due to MDR & XDR gram-negative bacilli, Department of Medicine
17. Clinical profile and outcome of patients with VAP caused by CRAB, Medicine, AIIMS
18. Clinicopathological spectrum of cystic neutrophilic granulomatous mastitis and role of Corynebacterium as the etiological agent, Department of Pathology
19. Designing novel inhibitory molecules to quench quorum sensing in Gram-negative bacteria, Department of Biophysics, AIIMS, New Delhi
20. Determination of seroprevalence of COVID-19 IgG antibody among healthcare workers involved in Sanitation, housekeeping and Security services, Department of Hospital Administration, AIIMS, New Delhi
21. Development of antimicrobial hydrogel as a denture cleaning agent by dispersed nano metal oxide in alcoholic extract of Neem leaves, Department of Pharmacology
22. Development of metabolite-based point-of-care test for diagnosis of bacterial vaginosis in Indian women, Dermatology & Venereology, AIIMS
23. Development of therapeutic broadly neutralizing monoclonal antibodies against circulating HIV-1 clade C in children and adults, Biochemistry, AIIMS Delhi
24. Effect of a nested multiplex polymerase chain reaction (Biofire®) on the duration of empirical antibiotics and risk of treatment failure in asymptomatic neonates with perinatal risk factors for early-onset sepsis, Department of Pediatrics

25. Effect of anaesthetic agents on intestinal microbiome and cognition in paediatric patients undergoing elective surgeries, Anaesthesiology, Pain medicine & Critical care
26. Etiological profile of infants, children and adolescents presenting with acute, subacute and chronic encephalitis/ encephalopathy in a tertiary care centre in North India, Division of Neurology, Department of Paediatrics, AIIMS, New Delhi
27. Evaluation of a novel herbal antiseptic formulation -SEPIL for the treatment of chronic limb ulcers and pressure ulcers: A randomized, double-blind placebo-controlled trial, Department of Orthopaedic, Jai Prakash Narayan Apex Trauma Centre
28. Evaluation of M1 and M2 macrophages and tissue reaction in the peri-prosthetic soft tissue of the patients with loosening of artificial implants, Department of Pathology
29. Exploration of alternate salivary diagnostic strategies for ovarian cancer, Biophysics, AIIMS
30. Metabolomic signatures for VAP patients due to *Acinetobacter baumannii*, Medicine, AIIMS
31. National Capacity building program for healthcare workers in infection prevention and control (IPC) including biomedical waste (BMW) management for pandemic preparedness, Department of Hospital Administration
32. OH-AMR Diag: Novel technological solutions for rapid detection and screening of AMR from a One-Health perspective, Department of Biophysics & Research Council of Norway, under the Bedrehelse call
33. Outcome of guideline directed pre-operative prophylactic single dose/day vs extended prophylactic antibiotics for urological surgeries: A Randomized controlled study, Department of Urology
34. Post Sepsis syndrome: A prospective Observational study, Department of Medicine
35. Prospective observational study to find infective etiology in patients with idiopathic acute pancreatitis, Gastroenterology and Human Nutrition
36. Prospective study of antimicrobial Resistance in Chronic Lung Disease, Medicine, AIIMS
37. Proteomics study of Giardia intestinalis isolates to associate with different clinical spectrum and extrapolate its invasive potential**,** Gastroenterology and Pediatrics, AIIMS, New Delhi.
38. Regional center for one health program**,** Biotechnology
39. Studies on actinobacteria-derived novel antimicrobials and developing advanced strategies to combat community/ hospital-acquired antimicrobial resistance in MDR pathogens**,** IIT, Delhi
40. Technical development of electro-optic graphene nanoribbon doped liquid crystal cell for the detection of infectious diseases, NPL, New Delhi
41. The Study of Clinical Characteristics and Evaluation of Molecular Diagnostic Modalities In Enhancing The Diagnosis Of Periprosthetic Joint Infection, Department of Medicine
42. To establish Centre of Excellence for Ayurveda Therapy in chronic diseases of women & promoting holistic health care (CAR), Obstetrics & Gynecology

Completed

1. Antifungal Effect of Lactoferricin, a natural potent antimicrobial peptide derived from the innate immunity protein, Lactoferrin and its use in the therapeutics of Mucormycosis, Department of Biophysics
2. Azithromycin- Based Extended-Spectrum Prophylaxis foe Caesarean Delivery: A Randomized Controlled Trial, Department of Obstetrics and Gynaecology
3. Burden of multidrug-resistant neonatal sepsis in district hospital settings in India, Department of Pediatrics
4. Central line-associated bloodstream infections and bacterial contamination among health care workers in medical ICU: a prospective observational study, Department of Medicine
5. Developing an antibiogram based on culture samples of suspected patients of infection presenting to the emergency department, Department of Emergency Medicine
6. Efficacy of cold atmospheric plasma jet for its antimicrobial activity against drug resistant bacterial and fungal pathogen: An in-vitro and in-vivo study, IIT, New Delhi
7. Multi-drug resistant and Extensively drug resistant Enterobacterales- Prevalence, Treatment and Outcomes- A Prospective Observational study, Department Medicine

8. National Capacity Building for healthcare workers in Infection, Prevention and Control including biomedical waste management for pandemic. Funded by USAID & JHPIEGO, Department of Hospital Administration, AIIMS, New Delhi
9. Studies on AMR: Actinobacterial bioactive compounds mediated biofilm inhibition and Molecular insights towards Quorum sensing pathways, IIT, Delhi
10. Utility of Radiolabeled Antibiotics as Imaging Agents in Establishment of a Decision Support Algorithm in Patients with Pyrexia of Unknown Origin (PUO) caused by Infection and its Impact on Short Term and Long Term Clinical Outcomes, Department of Nuclear Medicine, AIIMS, New Delhi

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total Funded projects	43	43	41
Total Funding (Lakhs)	Rs 1179.46	Rs 3944	Rs 4173

Publications:

Journals: 54 **Abstracts: 06** **Chapters in Book: 02**

Publications

Item	2022–2023	2023–2024	2024–2025
Total	99	90	62
Journal articles	83	84	54
Abstracts	15	3	06
Chapters in books	1	1	02
Books	0	2	0

PATIENT CARE

The Department of Microbiology carried out a total of 495078 tests during the year 2024-25

BACTERIOLOGY LABORATORY	
Name of assay/test/investigation	**No. of tests performed**
Blood Culture and identification	43621
Respiratory tract samples: Culture and Identification	26400
Urine Culture and identification	48480
Pus Culture and identification	25517
Stool Culture and identification	3023
CSF/Sterile samples Culture and identification	11206
Latex Agglutination (Antigen detection) from CSF Samples for Bacterial Meningitis	1000
Total	**159247**
Antimicrobial susceptibility testing (including automated VITEK-2)	
Blood Culture	4865
Respiratory tract samples	12350

BACTERIOLOGY LABORATORY	
Urine Culture	8784
Pus Culture	9522
Stool Culture	16
CSF Culture	1822
Total	**37359**
HIC Laboratory	
IV Fluids, environmental samples etc.	21813
CSSD Biological Indicator	2445
CSSD Bowie Dick Pack	1743
Plasma indicator	203
Water Testing	2294
Total	**28498**
Tuberculosis and CB-NAAT	
TB test	
ZN Smear Microscopy	13230
Gene Xpert MTB/RIF	4652
TrueNAT	2327
PCR for *Mycobacterium tuberculosis*	2302
Rapid Culture on MGIT 960	4987
Culture on LJ medium	13230
MGIT Drug susceptibility testing (DST)	56
Line Probe assay	179
Total	**40963**
COVID CB-NAAT	
Gene Xpert/ True NAT	197
Total	**41160**
MYCOLOGY LABORATORY	
Direct microscopy/Culture	
Blood culture/Bone marrow/Blood BACTEC	3281
Respiratory (BAL, Sputum, Tracheal aspirate)	8405
Urine	1607
CSF	1624
Tissue/Biopsy	1482
Skin scrapping/Nail/Hair	65
Fluid (Peritonial, Pericardial and Ascitic fluid)	1918
Pus	1184
Miscellaneous (plates, Swabs, Catheter tips)	2058
Total	**21624**

BACTERIOLOGY LABORATORY	
Fungal Serology/Antifungal/TDM/PCR	
Cryptococcal antigen	2012
Galactomannan antigen	6818
Urinary Histoplasma antigen	173
TDM	1467
Antifungal Susceptibility Testing	1100
PCR	1005
Beta-D-Glucan	171
Total	**12746**
Grand Total	**34370**
PARASITOLOGY LABORATORY	
Name of assay/test/investigation	**No. of tests performed**
SEROLOGICAL INVESTIGATIONS	
Serology for anti-*amoebic* IgG antibodies by ELISA	352
Serology for anti-*echinococus* for IgG antibody by ELISA	328
Serology for anti-*toxoplasma* IgG antibodies by ELISA	274
Serology for *Taenia solium* infection	25
Serology for Strongyloidiasis	390
Serology for Toxocariasis	47
Total	**1416**
INVESTIGATION FOR MALARIA	
Fluorescent staining (Acridine Orange)	7242
Giemsa staining	7242
Quantitative Buffy Coat (QBC) Assay	7242
HRP-II Antigen Detection test	7242
24x7 MP (AO, Giemsa, QBC, RDTs)	**2760**
Total	**31728**
INVESTIGATION FOR KALA-AZAR	
Fluorescent staining (Acridine Orange)	75
Giemsa staining	75
Kala-azar serology (rk-39)	719
24x7 MP (AO, Giemsa, QBC, RDTs)	15
Total	**884**
EXAMINATION OF FECAL SAMPLES FOR INTESTINAL PARASITOSIS	
Direct and concentration techniques	1960
In –vitro Cultures	20
Modified Acid-fast and special staining for intestinal coccidia	1960
PCR assay for the detection of microsporidia species	1960
Total	**5900**

BACTERIOLOGY LABORATORY	
EXAMINATION OF ASPIRATES	
Sputum, pus and other aspirates	**143**
INVESTIGATION FOR FILARIASIS	
Direct and Concentration techniques	650
Acridine Orange	650
Thin Smear examination	650
Thick Smear examination	650
Filarial Antigen detection	650
QBC	650
24×7 Services	245
Total	**4145**
OTHER INVESTIGATIONS	
Investigation for the detection of *Pneumocystis jirovecii* infection (PCP) by staining & PCR assay	360
Cerebrospinal fluid examination for Free living Amoebas (FLAs)	85
Worm Specimens	6
Arthropod Specimens	2
Total	**453**
Grand Total	**44669**
VIROLOGY LABORATORY	
Molecular tests (Real time PCR, Genome sequencing)	
Whole genome sequencing/ NGS for SARS-CoV-2, Influenza A&B, RSV, HMPV (respiratory viruses)	208
Influenza real time multiplex RT-PCR	3590
SARS-CoV-2 real time RT-PCR (COVID-19)	3510
Surveillance for respiratory viruses (Influenza, SARS-CoV-2, and RSV)	1411
Human metapneumovirus (HMPV) real time RT-PCR	86
Respiratory virus panel- multiplex real time PCR	764
HCMV DNA PCR (Urine, Colonic biopsy, CSF etc.)	3835
HIV-1 RT-PCR for Early Infant Diagnosis (DBS samples)	2831
HIV-1 RNA RT-PCR (HIV-1 viral load)	12533
HBV DNA real time PCR (HBV viral load)	1371
HCV RNA real time RT-PCR (HCV viral load)	328
Dengue & Chikungunya virus real time RT-PCR	68
Zika virus real time RT-PCR	06
Genital ulcer disease (GUD) viral panel esp. HSV-1&2	103

BACTERIOLOGY LABORATORY	
BK polyomavirus real time RT-PCR	1431
JC (John Cunningham) polyomavirus real time PCR	96
Fever with Rash- Viral PCR Panel (Measles, Enterovirus, Parvovirus B19, HHV-6 & HHV-7)	6
Viral Meningitis/Encephalitis PCR panel (HSV, Enteroviruses, Parechoviruses, VZV, Mumps)	429
Viral Gastroenteritis PCR Panel (Rotavirus, Norovirus, Sapovirus, Astrovirus, and Adenovirus 40/41)	249
Epstein-Barr virus (EBV) DNA real time PCR	932
Parvovirus B19 real time PCR	427
Enterovirus real time RT-PCR	22
Adenovirus real time PCR	51
Measles real time RT-PCR	11
Mumps real time RT-PCR	10
Monkeypox real time PCR (Orthopox & Mpox)	07
HHV-6 real time PCR	14
HHV-8 real time PCR	11
Dengue virus serotyping by real time RT-PCR	227
Antigen detection	
Dengue NS1 antigen (ELISA)	12742
HBsAg (ELISA/CLIA)	119
Viral Gastroenteritis ICT test (Rotavirus, Norovirus, Adenovirus, etc.)	48
Antibody detection (Serology)	
Anti-Dengue IgM (ELISA)	11308
Anti-Chikungunya IgM (ELISA)	485
Anti-Japanese Encephalitis IgM (ELISA)	134
Anti_HAV IgM (ELISA/CLIA)	129
Anti_HEV IgM (ELISA)	101
Anti-HBc IgM (ELISA/CLIA)	103
Anti-HCV (ICT/CLIA)	101
Anti-Measles IgM (ELISA)	20
Anti-Mumps IgM (ELISA)	15
Anti-EBV (VCA) IgM (ELISA)	290
Direct Microscopy	
Tzanck smear (for HSV 1&2, VZV)	10
PS for Downey cells/atypical lymphocytes (EBV-related Infectious mononucleosis)	3
Cell Culture	
Virus isolation- MDCK, Vero, HEp-2 cells etc.	159
Total	**60334**

BACTERIOLOGY LABORATORY	
SEXUALLYTRANSMITTED DISEASESLABORATORY	
Semen	1374
HVS	706
EPS	49
Urethral Discharge for *N.gonorhoeae* Culture & AST	183
Urethral Discharge for *N.gonorhoeae* PCR	183
Urethral Discharge for CT PCR	183
Cervical Swab for *N.gonorhoeae* Culture & AST	164
Cervical Swab for *N.gonorhoeae* PCR	164
Pharyngeal swab for *N.gonorhoeae* Culture & AST	134
Pharyngeal swab for *N.gonorhoeae* PCR	134
Rectal swab for *N.gonorhoeae* Culture & AST	134
Rectal swab for *N.gonorhoeae* PCR	134
Vaginal swab for BV	127
Blood for *Treponema pallidum* PCR	02
Total Samples	**3671**
Mycoplasma Laboratory	
Chlamydia trachomatis PCR	698
Ureaplasmaurealyticum culture	586
Ureaplasmaurealyticum PCR	673
Mycoplasma hominis culture	586
Mycoplasma hominis PCR	673
*Mycoplasma genitalium*PCR	405
Total	**3621**
ANAEROBIC&SPECIAL BACTERIAL PATHOGEN LABORATORY	
Samples for Anaerobic culture (Blood, Bile, BAL, CSF, Tissue) other samples	721
Clostridiodes difficile	
Stool culture for *C. difficile*	625
Stool samples for *C. difficile* ELISA	400
Stool sample for *C. difficile* PCR	102
Stool sample for *C. difficile* Genexpert	13
Campylobacter	
Stool culture for Campylobacter	9
Special Bacterial Pathogen Laboratory (SBPL)	
Leptospira	
Citrate blood samples for Culture for Leptospira spp.	987

BACTERIOLOGY LABORATORY	
Urine samples for Culture for Leptospira spp.	985
ELISA for Leptospira IgM antibodies	1482
Urine Dark Ground Microscopy	985
Plasma Dark Ground Microscopy	987
Leptospira PCR	421
Scrub typhus and Rickettsia	
IgM ELISA for Scrub typhus	1421
IFA for Scrub typhus	08
Scrub typhus PCR	103
Bartonella	
Samples for *Bartonella* Culture	54
Sample for *Bartonella* IFA (IgG)	54
Sample for *Bartonella* IFA (IgM)	54
Sample for *Bartonella* PCR	19
Legionella pneumophila	
Legionella serology	170
Legionella PCR	166
Legionella urine antigen	67
Mycoplasma pneumoniae	
Mycoplasma IgM antibody detection	180
Mycoplasma PCR	177
Mycoplasma culture	177
Chlamydia pneumoniae	
ELISA for *Chlamydia pneumoniae* IgM antibodies	178
Lyme Disease	
Lyme Disease IgM ELISA	146
Lyme Disease IgG ELISA	146
Lyme Disease IgM Immunoblot	59
Lyme Disease IgG Immunoblot	35
Borrelia 16S Real-time PCR	146
Total	**11077**
SEROLOGYLABORATORY	
Widal test:	10876
VDRL test	14931
Treponema pallidum Hemagglutination Assay(TPHA)	1350
Anti-streptolysin O (ASLO):	15
Standard Agglutination Test (SAT) for *Brucella* antibody	406
H.pylori Stool Antigen	3470
Total	**31048**

BACTERIOLOGY LABORATORY	
MOLECULAR BIOLOGY LABORATORY	
Multiplex (Conventional/Real Time) PCR for Acute Bacterial Meningitis (ABM)	450
Total	**450**
HIV and Immunology Laboratory:	
CD4 Testing	5550
HIV testing	30047
Western blot testing of HIV	16
HIV DBS samples under HIV sentinel surveillance program by NACO	3961
Total	**39574**
GRAND TOTAL	**495078**

External Quality Assessment Scheme (EQAS):

- All the sections in The department participated successfully with 100% or excellent concordance in various EQA/ Proficiency Testing (PT) programs:
- IAMM EQA/PT Programme
- NACO EQA/ PT Programmes
- EQA programme of WHO GASP (Gonococcal Antimicrobial Surveillance Program)
- External quality Assessment Scheme (EQAS) conducted by Indian Association of Tropical Parasitology (IATP), CMC Parasitology EQAS, The Wellcome Trust Research Laboratory, Christian Medical College Vellore and Indian Association of Medical Microbiology (IAMM) (in which the Parasitology Laboratory consistently received "A+" grade)
- Inter-Laboratory Comparison for syphilis serology (VDRL/ TPHA) with Apex Regional STD Centre, Department of Dermatology and STD, VMMC & Safdarjung Hospital, New Delhi.

Patient Care

Item	2022–2023	2023–2024	2024–2025
OPD consultations	Not applicable	Not applicable	Not applicable
Special clinic consultations	Not applicable	Not applicable	Not applicable
Patients provided rehabilitation services	Not applicable	Not applicable	Not applicable
Total inpatient admissions	Not applicable	Not applicable	Not applicable
Laboratory Investigations	355618	455415	495078

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Lalit Dar was Member, National Technical Advisory Group on Immunization (NTAGI). He was Co-Chair, Technical Resource Group, Laboratory Services and STI, National AIDS Control Organization. He was Chair, Technical Resource Group(Laboratories), National Viral Hepatitis Surveillance Programme. He was Member, Advisory Committee, NABL; Member, SAC, ICMR-National Malaria Research Institute; Member, Joint Monitoring Group, EMR, MoHFW (under the Chairmanship of the DGHS); Member, ESI Corporation (Central Government-nominated).

Professor Bimal Kumar Das was Member – Selection Committee Research Section, AIIMS Delhi; Chair- Hospital Infection Control committee, AIIMS Delhi; External Examiner, AIIMS Patna (17 December 24); Examiner, Baba Farid University of Health Sciences, Punjab; Chairperson, M.D. examination (Microbiology), AIIMS Delhi (May 2024).

Professor Bijay Ranjan Mirdha was Chairperson, Institutional Animal Ethics committee (IAEC), AIIMS, New Delhi since 09 February 2024. He was Chairperson, Technical Specifications and Evaluation Committee (TSEC), AIIMS, New Delhi.

He was Expert Member for malaria training under NVBDCP, South District to take teaching and training sessions for Malaria Training intended for Medical Officers & Public Health Nurses. Selection committee member for AIIMS Excellence Award for Basic sciences under the aegis of Research Section, AIIMS, New Delhi for AIIMS Research Day, 2024. Member, National Task force for Early Diagnosis and Treatment of Lymphatic Filariasis. Member, Technical Specification committee for diagnosis and treatment of Kala-azar. Chaired different sessions during various conferences and symposia.

Professor Benu Dhawan received Dr. P.S. Ranganathan Memorial Award by Indian Association for the Study of Sexually Transmitted Diseases and AIDS 48th National Conference of IASSTD & AIDS, New Delhi. 31 August–1 September 2024. (Senior corresponding author of paper).

Professor Seema Sood was Elected as Fellow (FAMS) of the National Academy of Medical Sciences. STD Lab has been identified as a Reference Lab for medical device testing for STDs by ICMR-CDSCO & initiated activities for ISO 17025 as a part of establishment of MDTLs. Invited as Member- Abstract Review Committee & Scholarship Committee for the prestigious STI & HIV Congress, 2025, Montreal, Canada. Elected committee member- IUSTI World Committee (2021-25). To continue for second term (2025-2029). Member- India-Japan Cooperative Science Program (2024-2026). Member- Institute Ethics Committee for PG Research (Basic Science) at AIIMS, New Delhi She was invited as Member of Scientific Advisory Committee-ASTICON 2024. She was invited for authorship of 2 chapters for IASSTD & AIDS Textbook of STIs. She was Member- Institutional Biosafety Committee (IBSC), VMMC & SJH, New Delhi. She was Member- Expert Committee for implementation of eGASP in India constituted by NACO, Min of H & FW, GOI. She was Member- TRG (Surveillance & Epidemiology) under NACP- constituted by NACO, Min of H & FW, GOI. Expert ICMR- PRCon HIV/AIDS and STIs. External Expert- JIPMER, Puducherry. Member- Editorial Team – Indian Journal of STDs & AIDS. Faculty- National Board of Examination (NBE). Reviewer- National/ International journals.

Professor Sarita Mohapatra was Elected as Executive committee member of the "Indian Association of Medical Microbiology" for the period of 3years (2023-2025). She was Elected as President of the "Society of Antimicrobial Stewardship Practices in India" for 2024-25. Resource person for the IAMM Infection Prevention Control Course. She was Selected as reviewing editor for the Journal "Microbiology Spectrum". She was selected as reviewing editor for the Journal "BMC Microbiology".

Professor Aashish Choudhary was Awarded the Satish C. Talwar Memorial Award for Best Published Research Paper entitled 'Varicella-zoster virus (VZV) outbreak in a long-term care unit of a tertiary care hospital in northern India.' at MICRO-D-CON held in New Delhi on 19 October 2024. Member of the Institute Biosafety Committee (IBSE), AIIMS Delhi. Member of the BSL-3 facility, Central Core Research Facility (CCRF), AIIMS Delhi. Member of the DHR-ICMR working group to establish diagnostic algorithm based on syndromic approach under 'One Health'.

Professor Hitender Gautam was Academic Editor in *PLOS ONE* Journal Editorial Board w.e.f September 2024. He was Director Publication Committee: Society of Antimicrobial Stewardship Practices (SASPI) in India. (2024-27). He was Founder Member of Society of Antimicrobial Stewardship Practices (SASPI). He was Faculty Incharge Stores (Non-Plan) for the Department of Microbiology. He was Department Store Verification Committee Member. He was Department Expert for the Selection of Senior Residents at CAPFIMS. He was Expert member/subject expert: ESIC Selection Board for Faculty posts. He was Advisor for the interviews on the various posts for the DNA Division under Rajasthan Public Service Commission (RPSC) at Ajmer, Rajasthan. He was TSEC Committee member for the procurement of "Various Surgical Consumable Items" at AIIMS Hospital Store. w.e.f August 2024. He was External Assessor for Peer assessment of NITRD New Delhi under KayaKalp Award Scheme, 26 December 2025. He was Panelist in Panel discussion at IAMM Delhi Chapter at Department of Microbiology, Maulana Azad Medical College & Associated Hospital, New Delhi on 10 August 2024. "Establishing quality system and Laboratory Accreditation in Microbiology: Challenges & Way Forward". He was Committee member for Operationalization of Laboratory Services of AIIMS-CAPFIMS. He was Nominated faculty from Department of Microbiology for Operationalization of Administrative/Academic Block of AIIMS-CAPFIMS: AIIMS, Committee Member w.e.f 19 July 2024. He was Swachhta Team Committee member for AIIMS, New Delhi. He was AIIMS NABL Coordination Core Committee Member w.e.f October 2022 for NABL Accreditation of all laboratories at AIIMS, New Delhi. He was Department NABL Core Committee Member & Deputy Quality Manager for Department of Microbiology, AIIMS, New Delhi: Department has been NABL Accredited w.e.f. 15 November 2019. He was Running of 24 x 7 laboratory in Department of Microbiology w.e.f 1 June 2022. He was Clean & Green AIIMS Sub-committee member for Key Result areas (KRA)": For KRA 5: Waste Management and For KRA 6: Infection Control. He was Technical Specification & Evaluation Committee (TSEC) member for Antiseptics, Disinfectant & Chemicals at AIIMS w.e.f February 2022. He was Member Secretary: Infection Control Committee in Dr. BRA IRCH, AIIMS, New Delhi. He was Hospital Infection Control Committee (HICC), Core Committee Member AIIMS, New Delhi. He was Hospital Infection Control activities at Surgical block. He was Incharge: Departmental KAYA KALP Committee. Part of AIIMS KAYA KALP Team. KAYA KALP Inspection Management for Department. He was Committee member for MBBS Curriculum reforms & AIIMS Undergraduate Curriculum Organizing Group (AU-COG) at AIIMS, New Delhi. He was External Member of the Constitution of the Board of Studies in the Department of Microbiology at AIIMS Bathinda. He was Board member at AIIMS Bathinda: to design the curriculum and assessment of MBBS undergraduate for the Department of Microbiology

at AIIMS Bathinda. Preparation of E-Learning Module for Under-Graduate Students for Uniform Teaching across India under NMC. Co-Guide for PhD in Medicine by Research Medical Microbiology program at Taxila American University. Central Core Research Facility (CCRF), Proteomics facility Sub-Committee member w.e.f 31 January 2023.

Dr Nishant Verma was Associate editor for the journal "Tropical Parasitology". He was Member - Experts Committee to guide and support the ICMR Infectious Diseases Research and Diagnostic Laboratory (IRDLs) network – Major contribution in developing the modalities for this Pan-India network creation initiative of ICMR particularly for Parasitology vertical. He was NABL accreditation of investigations in parasitology laboratory. He was Member - Core committee for coordination of NABL work at AIIMS. He was Faculty In-charge, Departmental Stores (Plan). He was Departmental DM ID teaching committee member. He was Core committee member for DM infectious diseases curriculum. He was Member-AIIMS under graduate curriculum organizing group. He was Member- Departmental patient safety & quality committee-Pediatrics, pediatric surgery, neonatal unit & neonatal surgery unit - MCH block. He Contributed in NABH accreditation process in Mother & Child Health block and Center for Dental Education and Research. He was Departmental coordinator for the 69th Institute day exhibition. He was Coordinator –AIIMS master plan departmental committee. He was Member of the 'clean & green AIIMS' sub-committee. He was CPIO-RTI. He was Core Group Member: Hospital Infection Control Committee (HICC), AIIMS, New Delhi. He was Incharge – Hospital Infection Control activities at CDER, AIIMS, New Delhi; Incharge - HIC activities at Mother and Child Health block. He was Involved in the development of E-learning modules for undergraduate teaching. He was Executive committee member: Indian Association of Tropical Parasitology. He was Member-Hospital Infection Society- India. He was Member – IAMM; Member-IAMM- Delhi Chapter; Reviewer for several reputed journals; Member - committee for renovation of the BSL-3 laboratory of CCRF. Member – selection committee for recruitment of consultant/computer programmer/……/assistant in various research projects. Member of Microscopy Sub-Committee - for Centralized Core Research Facility (CCRF) at AIIMS, New Delhi. Member- district coordination committee for malaria, office of the chief district medical officer-South district, DGHS-Govt. of NCT of Delhi. MD thesis evaluation – AIIMS Jodhpur.

Dr Megha Brijwal was Member- DHR-ICMR working group to establish diagnostic algorithm based on syndromic approach under 'One Health'.

Dr Kiran Bala was Member- Hospital Infection control core committee, AIIMS, New Delhi. He was Member Secretary-Hospital Infection control subcommittee at National centre of Ageing, AIIMS, New Delhi. He was Member- Infection prevention & control team of centralized core research facility at AIIMS, New Delhi. He was Nodal Officer Information Technology (IT) - Departmental computer related & Information technology & Digitalisation (Nodal IT Officer, Content Provider from Department, Integration of Lab LIS to HMIS, Website updation). He was Faculty coordinator- Organization of Departmental Assessment (Stage III) for admission for Ph. D Programme. He was Committee Member & Member TSEC - Planning and Initiation of Microbiology services at Mother & Child block, Technical specifications & Procurement of various M & E for Mother & Child block. He was Member TSEC- Technical specification evaluation committee for procurement of TB consumables at hospital stores. He was Expert member& TSEC member- BSL-3, BSL-2 Subcommittee of CCRF core committee at AIIMS, New Delhi. (Initiation, Procurement of M& E and designing, framing of SOP). He was Reviewer: BMJ case reports, Frontiers in Medicine, International J of Medicine and public health, Medical mycology, Indian J Med research, Indian J Tuberculosis, Mycopathologia.

Dr Priyam Batra was Member of various institutional committees. Member of the Quality and Patient Safety Committee, Surgical block and the NABH Committee, Surgical Block. Member, General facility committee, CCRF. Cafeteria food safety committee. Co- member Secretary, AIIMS-CAPFIMS committee for blood center and laboratory services. Member, AIIMS-CAPFIIMS committee for academic services. Infection Control Officer, CSSD, Masjid Moth Complex. Committee for outsourcing of disinfectant, general pest and rodent control services. He was Academic editor of Scientific reports, Nature publication; Journal of Laboratory Physicians. He was Reviewer in the following journals. Journal of Global Infectious Diseases. Spectrum Journal; Journal of advances in Medicine and Medical Research; The Lancet Regional Health- Southeast Asia; Indian Journal of Medical Microbiology. Indian Journal of Microbiology; BMC Infectious Diseases; Annals of Clinical Microbiology and Antimicrobials; Medicine; Journal of pathogens; PLOS ONE; Journal of Laboratory Physicians. BMC. Musculoskeletal Disorders. Frontiers in Immunology. Indian Journal of Tuberculosis. Clinical Medicine Insights: Paediatrics. Journal of Pure and Applied Microbiology. Gut pathogens. Canadian J Infectious Diseases. Fellow/Member of various organizations; Hospital Infection Society India (HISI). Indian Association of Medical Microbiologist (IAMM).

Dr Tanu Sagar received First prize in oral presentation: Vrushali Patwardhan, P Dileep, Anusha Rathi, Tanu Sagar, Nishant Verma titled " Leptospirosis: Unveiling the Hidden Threat in a Non-Endemic Region in CAHO DiagnostiCon 2025.

9.21. National Cancer Institute, Jhajjar

Head NCI

Alok Thakar

Additional Medical Superintendent

Sunil Kumar

Highlights

The 2nd AIIMS Oncology Conclave 2025 was inaugurated by Union Minister of Health & Family Welfare, Shri Jagat Prakash Nadda, at the National Cancer Institute (NCI), AIIMS Jhajjar on 15 February 2025, marking a significant milestone in the institute's journey since its establishment in 2019. Celebrating six years since its foundation, Minister Shri Shri Nadda praised NCI's rapid evolution into a world-class referral center offering multidisciplinary and patient-centric cancer care. He commended the dedication of doctors, healthcare workers, and administrators in advancing the institute's mission. Event was graced by Dr. M. Srinivas, Director, AIIMS New Delhi, Dr. K. K. Verma and Dr. Nikhil Tandon, Deans at AIIMS and Faculty from NCI, healthcare professionals, policymakers, scientists, and innovators from AIIMS institutes nationwide, PGI Chandigarh, and JIPMER Puducherry.

Key features of the event included:

- The Minister's visit to the new Nuclear Medicine Targeted Treatment Ward and Bone Marrow Transplant (BMT) Unit, designed to improve outcomes for thyroid and hematolymphoid cancers.
- Recognition of NCI's innovation ecosystem, highlighting collaborations with startups, engagement of PhD students, research with practical societal applications and Infosys Vishram Sadan which provides affordable accommodation and psychosocial support to families of patients.

Minister Shri Nadda also emphasized the Government of India's national efforts in cancer prevention and treatment, noting:

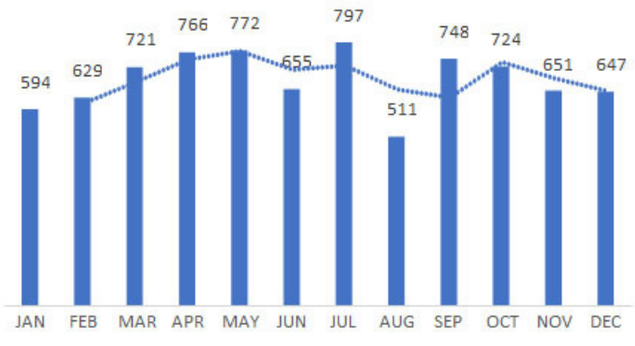
- Cancer screening under NHM for individuals aged 30+, with over 49 crore screenings for oral, breast, and cervical cancers at Ayushman Arogya Mandirs.
- Investments exceeding ₹3, 000 crores for State Cancer Institutes and Tertiary Cancer Care Centres from 2014–2026.
- Cancer care infrastructure approved in all 22 new AIIMS, and plans to establish Day Care Cancer Centres (DCCCs) in every district hospital, starting with 200 this year.



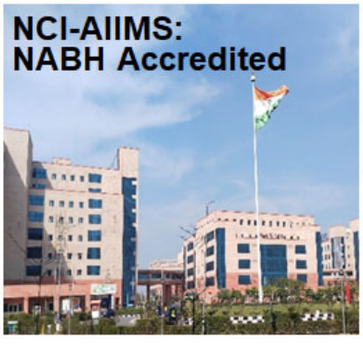




NEW PATIENT REGISTRATIONS 2024
(Annual Registrations: 8215)

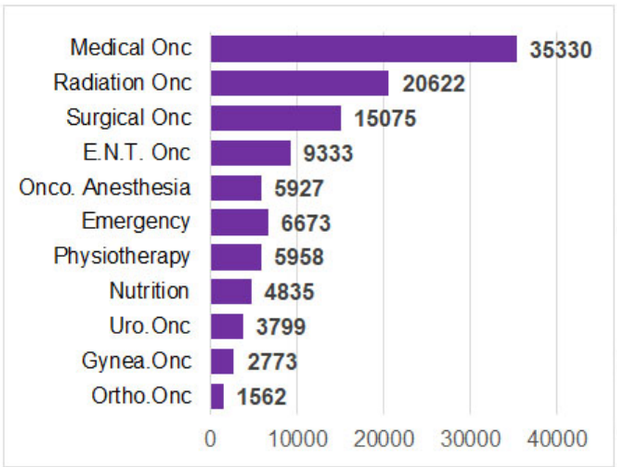


NABH ACCREDITATION





OPD ATTENDANCE (YEAR-2024)

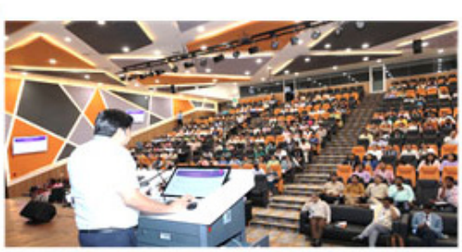




Ayushman Bharat-PMJAY; PM National Relief Fund & RAN Admissions: 2816





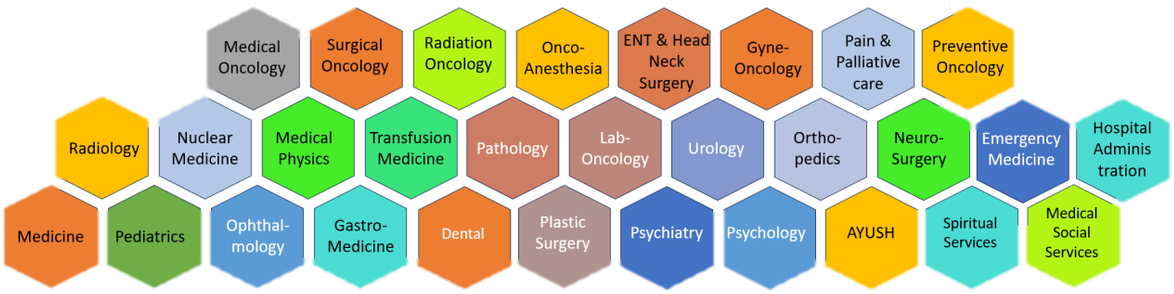




AIIMS SURGICAL ONCOLOGY CONCLAVE, SEP 2024



Comprehensive Cancer Care



Cancer Care Services at National Cancer Institute (NCI), Jhajjar

Integrated Cancer Services & Tumor Boards

- Breast
- ENT/Head & Neck
- Gastro-Intestinal
- Gynae Oncology
- Uro/Genito-urinary
- Musculoskeletal
- Hematological/ BMT
- Pediatric
- Neurological & Orbit
- Thoracic & Pulmonary

Specialized Clinics & Cancer Care Services

- Preventive Oncology
- Pain & Palliative Care
- Cancer Emergency Care Services
- Transfusion Medicine
- Onco-Psychiatry & Psychology Services
- Ostomy Care
- Onco-Genetics & Onco-fertility
- Internal Medicine Services- General Medicine, Pulmonary, Endocrine, Gastroenterology.
- Physiotherapy & Rehabilitation Services
- Dental Services
- Alternative Medicine-Ayurveda & Yoga

Support Services

- Tobacco Cessation Services
- Genetic Counselling
- Long term Follow-up
- Medical Social Services
- Dietary services
- Survivor Wellness program
- Vocational Rehabilitation

Diagnostic, Laboratory & Imaging Services

- Radiology
- Nuclear Medicine
- Core Lab
- Pathology
- Microbiology
- Cytogenetics and Molecular pathology
- Medical Physics

Departments

Biochemistry

Additional Professor

Ashok Sharma

Faculty In-Charge: Neurobiochemistry Lab, Neurosciences Center (NSC)

Molecular Diagnostic Facility, National Cancer Institute (NCI), Jhajjar,

Department of Biochemistry,

A.I.I.M.S. New Delhi 110029.

Staff

Neurobiochemistry Lab

Sr. Technical Officers

Archana Bansal Khoob Chand Bimla Bhatt

Technical Officer

Vikas Yadav

HIGHLIGHTS:

The Department of Biochemistry and the Molecular Diagnostic Facility at NCI–Jhajjar continued to advance academic, research, and clinical services through multiple high-impact initiatives. Two major extramural research projects with a combined funding of Rs 16.692 crores are currently ongoing, supporting extensive laboratory and translational research activities. The department plays a key role in academic supervision, overseeing MSc, MD, MCh, DM, and PhD scholars, mentoring postgraduate trainees, and guiding undergraduate students, including recipients of the ICMR-STS Fellowship. Faculty also contributed to institutional academic processes by serving as Internal Examiners for the First MBBS Biochemistry and MD Biochemistry examinations.

The department received seven scientific awards, including three Best Oral and four Best Poster Presentation Awards. The MeitY-funded **iOncology.ai** platform, developed in collaboration with CDAC Pune, received the **Mint Tech4Good Awards 2024 – Gold Category** and significant national media coverage. The platform supports oncology data collection, collation, and AI-enabled diagnostic assistance, and is now operational in R&D mode on the AIIMS intranet and deployed across district hospitals in Delhi, Rajasthan, Madhya Pradesh, Gujarat, and Uttar Pradesh.

Clinically, the facility reinstated advanced diagnostic services at the Neurosciences Center and expanded molecular testing capabilities at NCI, including preneoplastic marker profiling, NMO/MOG antibody testing, and HPV genotyping, significantly improving access for underserved patients. Development of next-generation sequencing (NGS)–based gene panels for solid and hematological malignancies is also underway.

The department contributed to public outreach on cancer prevention, organized scientific programs, and participated in national expert committees such as ICMR, DST-SERB, and DBT-RA. It also supported national academic initiatives through coordination of SWAYAM online courses under the Government of India's digital education platform.

EDUCATION:

No. of short-term/long-term trainees 18

- Guided ten postgraduate students for observational summer training.
- Mentored five undergraduate students through the UG Mentorship Program.
- Supervised three UG students who received the prestigious ICMR-STS Fellowship.

CMEs/Workshops/Symposia/National and International Conferences:

CME	= 1
Symposia	= 02
Plenary Lectures	= 04
Guest Lectures	= 04
Invited Lecture	= 09
National Conference	= 05
International Conference	= 04

Lectures delivered at CMEs, National and International conferences:

Ashok Sharma

1. Invited as a Keynote Speaker and chaired a session in the National-Level Conference on Cancer Biology: Emerging Trends and Future Directions. Transforming Cancer Diagnosis, Prevention, and Treatment: Innovative Approaches with the iOncology.ai Platform, Department of Biotechnology and Bioengineering, Institute of Advanced Research (IAR), 28 February–1 March, 2025, Gandhinagar
2. Invited as a Keynote Speaker and chaired a session in the Emerging Frontiers of Immunobiology and Immunotherapy. "Innovative Approaches in Cancer Prevention and Treatment: Shaping the Future of Oncology", 2nd edition of the GIS (Global Immunology Summit), 13-15 February 2025, BRIC-Translational Health Science and Technology Institute (THSTI) India
3. Delivered an invited talk at the 5th International Global Cancer Consortium, Amity University, 28-31 January 2025, Amity Noida campus
4. Lecture in the Residential Faculty Induction Programme, UGC-Malaviya Mission Teacher Training Centre, JNU (formerly UGC-HRDC), 23 January 2025, JNU, New Delhi
5. Delivered an Invited keynote Lecture for Faculty and students with recent trends and technology on "Innovative Approaches in Cancer Prevention and Treatment: Shaping the Future of Oncology", Department of Biotechnology, Jaipur National University, 11 January 2025, Jaipur,
6. Invited as a Keynote Speaker on the occasion of its 20th anniversary, it has completed 20 years of its establishment to grace the occasion and inspire the faculty and students, 21st Foundation Day of the Institute of Science at Nirma University, 6 September 2024, Gandhinagar
7. Invited as a Speaker: The iOncology.ai Platform: Transforming Ovarian Cancer Diagnosis Through Novel Biomarker Discovery, Golden Jubilee Conference of the Association of Clinical Biochemists of India (ACBICON 2024), 5-7 December 2024, Hotel Mount View, Chandigarh.
8. Invited as a Speaker: The iOncology.ai Platform: Transforming Breast Cancer Diagnosis Through Novel Biomarker Discovery, International Conference on "Advancements in Diagnostic Technologies: Global Healthcare Monitoring", 15-17 November 2024, MNNIT, Prayagraj
9. Invited as a Speaker: The iOncology.AI Platform: An AI-based Platform for the Early Detection of Gynaecological Cancer, First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.

LECTURES DELIVERED OVER LAST THREE YEARS

2022-2023	2023-2024	2024-2025
12	10	09

List of oral papers/posters presented:

1. Gupta Rashmi, Ray MD, Sharma Ashok, Epigenetic Potentiation in Dendritic Cell-Based POTE Vaccination: A Promising Strategy for Ovarian Cancer Immunotherapy, Global Immunology Summit, 13-15 February 2025, THSTI, Faridabad, India.
2. Kundu Subhadip, Qazi Sahar, Manav Nisha, Gupta Rashmi, Bimal Prasad Jit, Sharma Ashok*, Reshaping of the genome–nuclear lamina interaction and modulation of the epigenome in response to platinum-based chemoresistance in ovarian cancer, 4th AIIMS Research Day, 28-29 January 2025, AIIMS New Delhi
3. Gupta Rashmi, Jit Bimal Prasad, Ray MD, Sharma Ashok, Epigenetic Potentiation in Dendritic Cell-Based POTE Vaccination: A Promising Strategy For Advancing Ovarian Cancer Immunotherapy", 4th AIIMS Research Day, 28-29 January 2025, AIIMS New Delhi
4. **Kumar Santosh, Surender Sherawat, Ashutosh Mishra, Atul Batra, SVS Deo, Ashok Sharma, Unveiling the biomarker and therapeutic promise of lncRNA AC092718.4 in breast cancer. Best Poster Presentation (2nd Prize), Global Cancer Consortium Conference (GCCC), 28-31 January 2025, Noida, India.
5. ***Kundu Subhadip, Qazi Sahar, Manav Nisha, Gupta Rashmi, Jit Bimal Prasad, Sharma Ashok,* Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming in Cisplatin-Resistant Epithelial Ovarian Cancer. Best Poster Presentation (1st prize), Global Cancer Consortium Conference (GCCC), 28-31 January 2025, Noida, India.

6. ***Rashmi Gupta, Bimal Prasad Jit, Babul Bansal, MD Ray, Ashok Sharma, POTE as potential therapeutic targets for epithelial ovarian cancer (EOC), (Best Poster Award)(1st prize), OFCON, 18-19 January 2025, Indraprastha Apollo Hospital, New Delhi, India.
7. #Sahar Qazi, Raiyan Ali, Heena Pandya, Deeksha Sharma, Neeraj, Sanju Sharma, Swapna Yenishetti, Lakshmi Panat, Babita Kataria, Babul Bansal, Ekta Dhameja, Rambha Pandey, M.D Ray, GK Rath, Ashok Sharma*, iOncology.ai: An AI powered electronic health record (EHR) cum clinical decision support system (CDSS) for early detection of ovarian and breast cancers. (Oral Presentation), TiE Global Summit 2024, 09-11 December 2024, BIEC, Bangalore, India.
8. Santosh Kuma, Surender Sharawat, Ashutosh Mishra, Atul Batra, SVS Deo, Ashok Sharma, Functional and Clinical Insights into AC092718.4 Expression in Breast Cancer, ACBICON 2024, 4-7 December 2024, Chandigarh, India.
9. Heena Pandya, Bimal Prasad Jit, Sahar Qazi, Subhadip Kundu, Nisha Manav, Rashmi Gupta, Santosh Kumar, Ashutosh Mishra, Atul Batra, Dindyal Mandal, Ashok Sharma, Exploring the role of miRNA in Modulating Cancer-Testis Antigen POTEE Expression in Breast Cancer Cells, ACBICON 2024, 4-7 December 2024, Chandigarh, India.
10. Kundu S, Qazi S, Manav N, Gupta R, Jit BP, Sharma A, Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming in Cisplatin-Resistant Epithelial Ovarian Cancer, ACBICON 2024, 4-7 December 2024, Chandigarh India.
11. ***Behera Alisha, Manav Nisha, Gupta Rashmi, Kundu Subhadip, Jit Bimal Prasad, Ashok Sharma, POTE Proteins in Epithelial Ovarian Cancer: Emerging Biomarkers for Precision Medicine. (Best Poster Presentation), National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,
12. # Jit Bimal Prasad, Kundu Subhaddep, Manav Nisha, Gupta Rashmi, Kumar Santosh, Behera Alisha, Pandya Heena, Sharma Ashok, POTEE a potential regulator of the Notch1 signaling pathway and governs oncogenic phenotype in epithelial ovarian cancer. (Oral Presentation), National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,
13. Pandya Heena, Jit Bimal Prasad, Qazi Sahar, Kundu Subhadip, Manav Nisha, Gupta Rashmi, Kumar Santosh, Mishra Ashutosh, Batra Atul, Mandal Dindyal, Ashok Sharma, Investigating the role of miRNA in the regulation of POTEE Expression in Breast Cancer, National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,
14. Gupta Rashmi, Jit Bimal Prasad, Ray MD, Sharma Ashok, POTE CTA family: A potential vaccine candidate for DC-mediated immunotherapy in EOC, National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,
15. *****Kundu Subhadip, Qazi Sahar, Manav Nisha, Gupta Rashmi, Jit Bimal Prasad, Sharma Ashok, 1. Chemoresistance in Epithelial Ovarian Cancer: A Focus on Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming. (Best Oral Presentation Award), National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,
16. #Jit Bimal Prasad, Kundu Subhadip, Manav Nisha, Gupta Rashmi, Kumar Santosh, Behera Alisha, Pandya Heena, Ashok Sharma, POTEE-Notch1 signaling cross-talk: A potential Regulator of signalling pathway and controls oncogenic phenotype in epithelial ovarian cancer. (Oral Presentation), First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.
17. ****Pandya Heena, Jit Bimal Prasad, Qazi Sahar, Kundu Subhadip, Manav Nisha, Gupta Rashmi, Kumar Santosh, Mishra Ashutosh, Atul Batra, Dindyal Mandal, Ashok Sharma. Sharma, Unveiling miRNA's Role in Regulating Cancer-Testis Antigen POTEE Expression in Breast Cancer Cells. (2nd Prize -oral presentation), First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at the University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.
18. Gupta Rashmi, Jit Bimal Prasad, Ray MD, Sharma Ashok, POTE protein family: A potential vaccine candidate for DC-mediated immunotherapy in advanced EOC, First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.
19. Kundu Subhadip, Sharma Ashok, Chemoresistance In Epithelial Ovarian Cancer: A Focus on Genome-Wide Lamina-Associated Domains (LADs) - Nuclear Lamina Alterations and Epigenetic Reprogramming, First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at the University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.

20. *Gupta Rashmi, Jit Bimal Prasad, Bansal Babul, Ray MD, Sharma Ashok, Epigenetic Potentiation of Dendritic Cell-Mediated POTE Vaccination as a Promising Immunotherapeutic Strategy For Human Ovarian Cancer. (Runner Up award in GPT Young Scientist Award), IISC Bangalore, 17-20 October 2024, Bangalore.

*******Best Oral Presentation Award (1st prize)=1**

******Best Oral Presentation Award (2nd prize)=1**

***** Best Poster Presentation (1st prize)=3**

**** Best Poster Presentation (2nd Prize)=1**

***Runner Up award in GPT Young Scientist Award= 1**

#Oral Presentation=3

ORAL/POSTER PRESENTATIONS OVER LAST THREE YEARS

2022-2023	2023-2024	2024-2025
12	14	20

RESEARCH:

Funded

***Ongoing* = 4 Total Budget = Rs 16.692 Crores**

1. Boron-based therapeutics against RNA viruses and associated post-infection arthritis in chikungunya infection- a preclinical evaluation, Dr. Ashok Sharma, ICMR-GOI, 3 years, 2024-2027, Multicentric Project of total cost Rs 250 Lakhs
2. Study the efficacy of Cancer Healer Therapy Polyherbal Formulation and uncover its anticancer potential in Breast and Ovarian cancer cell lines", Dr. Ashok Sharma, Cancer Healer Centre, 1 year, 2024-2025, Rs 27.2 Lakhs
3. A pilot study evaluating role of homeopathic medicine in cancer patients as adjuvant treatment to chemotherapy/ radiotherapy and correlating with molecular profiling, Dr Ashok Sharma, DBT, 3 years, 2023-2026, Rs 100 Lakhs
4. DBT NCI-AIIMS Translational Cancer Research Centre, Dr Ashok Sharma, DBT, 5 years, 2023-2028, Rs 1000 Lakhs (Under Process) out of 4000 Lakhs (Principally Approved)

***Completed*: 3**

1. Artificial intelligence in Oncology: Harnessing big data and advanced computing to provide personalized diagnosis and treatment for cancer patients, Dr Ashok Sharma, MeitY, 3 years, 2020-2024, Rs 291.67 Lakhs

Ongoing-Research Projects as Co- Principal Investigators (PI): 8

1. Randomized, Open labelled, Phase IIa /IIb Clinical trials to study the safety and efficacy of intravenous estrogen therapy in reducing the incidence of sepsis/septic shock in Trauma Hemorrhagic Shock patients", ICMR, 70L, Professor Sanjeev Kumar Bhoi, ICMR, 3 years, 2024-2026, Rs 70 Lakhs
2. Development of novel cancer immunotherapy by incorporating cancer/testis antigen NY-ESO-1 into Mycobacterium indicus pranii and evaluation of its antitumor efficacy and immune mechanisms using a mouse tumor model, Dr. Pawan Kumar, SERB, 3 years, 2022-2025, Rs 50 Lakhs
3. Determinants of Immune Reconstitution Inflammatory Syndrome (IRIS) in adult non-HIV Central Nervous System Tuberculosis (CNSTB) patients: a prospective cohort study, Dr Deepti Vibha, ICMR, 3 years, 2023-2026, Rs 123.75 Lakhs

Project Completed as Co-Principal Investigators (PI): 5

1. Role of M1 macrophage on DNA methylation and PI3K-AKT signaling pathway analysis in tumor-associated Mesenchymal stem cells in Breast Cancer. AIIMS, Rs 10 Lakhs, 2022-2024 (Two Years), Dr. Pramode Gautam, Department of Biochemistry, AIIMS, New Delhi.
2. Effect of sodium-hydrogen channel (NHE-1) inhibitor in hypoxic cardiac arrest. ICMR, Rs 43 Lakhs, 2022-2024 (Two Years), Dr. Tej Prakash Sinha, Emergency medicine, JPNATC, New Delhi.

3. Clinical and radiologic profile, risk associations, caregiver burden, and clinical outcomes in early and late onset dementia. AIIMS, Rs 10 Lakhs, 2022-2024 (Two Years), Dr. Anu Gupta, Department of Neurology, AIIMS, New Delhi
4. Effect of NHE-1 blocker, Cariporide, on the initiation of return of spontaneous circulation in hypoxic cardiac arrest rat model. ICMR, Rs 44 Lakhs, 2022-2024 (Two Years), Professor Sanjeev Kumar Bhoi, Emergency Medicine, JPNATC
5. Role of Epigenetics and Immune Factors in Female Genital Tuberculosis. ICMR, Rs 6430.857 Lakhs, 2021-2024 (Three Years); Prof JB Sharma, Obstetrics & Gynaecology, AIIMS, New Delhi.

Departmental Projects (including thesis/dissertations): MSc/MD/PhD/Women Scientist/Postdoc: Ongoing: 9

1. To explore the Notch/Cancer testis antigen POTEE signaling axis in chemoresistant relapsed ovarian cancer patients derived organoid/cell model (F No:ICMR-5/3/8/31-ITR-F/2022-ITR)
2. Genome wide analysis of microRNA mediated regulation of Cancer Testis Antigen POTE in Triple Negative Breast Cancer" (DST/WOS-A/LS-266/2021)
3. Molecular Mechanism of Cancer-Testis/Germline Antigen POTEB/B2 in Ovarian Cancer (P–1-2023/15081)
4. Functional Analysis of Human Long Non-Coding RNAs (lncRNA) and their Association with Spatial Genome Organization in Cancer (P 01 2021/14956)
4. Elucidation of HLA-A2 protein structure in complex with Prostate, Ovary, Testis and Embryo (POTE) peptide. (S/7471/2024)
5. Study the Genomic Imprinting and the Regulation of Cancer-Testis antigen POTE in Ovarian Cancer. (S/7160/2024)
6. Study on 3D genome architecture as an epigenetic regulator of pericentromerically localized cancer-testis/ germline antigen POTE in cancer. (P-2018/14773)
7. Elucidation of the Functional aspects and underlying Epigenetic Regulation of POTEB in Ovarian Cancer. (P-2018/14779)
8. Immunotherapeutic potential of novel Prostate, Placenta, Ovary, Testis- Expressed (POTE) Antigen in ovarian cancer. (P/136/19)
9. Randomized controlled trial to assess the effect of riboflavin supplementation with antidepressant treatment in persons with major depressive disorder

UG Mentorship Program

1. Study the Effect of CoX (Cyclooxygenase) Inhibitor on Cancer-Testis Antigen (POTE) in the Ovarian Cancer, (No.F.5-59/IRG/2010/RS), Vedant Garg, Swayam Shakti Tripathy, Ongoing (2024)
2. Revelation of functional interplay between Prostate Ovary Testis Embryo protein (POTE) member E and Notch signalling cross-talk in understanding the platinum resistance phenotype in epithelial ovarian cancer, Sara Kukreja, Tamanya, Nisha Ahlawat, Ongoing (2024)
3. Elucidation of functional Interplay and polymorphism of POTE Protein/ Notch signalling axis and its association with clinical phenotype in epithelial ovarian cancer, Durgam Yashwanth Anantha Parakrama, Completed (2024)

MBBS ICMR-STS Fellowship:

1. Decoding the Biomarker Potential of POTEE in Breast Cancer, Miss Gouri Gupta (202402155), Ongoing (2024)
2. To understand the impact of diclofenac on the expression of POTE in ovarian cancer, Keerthi Teja (202309225), Completed (2024)

MBBS AIIMS Summer Fellowship

1. "Cisplatin induced chemoresistance modulates nuclear lamina and cancer epigenome architecture in epithelial ovarian cancer", Mr Sandeep Kumar Kandi (AIIMS New Delhi- Summer Research Fellowship), Completed (2024)
2. To determine the association between cancer testis antigen expression and immune cell distribution in patients with ovarian cancer, Pragyan Sharma, Completed

Summer Trainee/Observationalship Students:

1. Developing a methylation landscape using systems biology and functional genomics approach for Lung Cancer, Shaista Saman, Ongoing (2025)
2. Harnessing Artificial Intelligence mediated algorithms for identifying epigenetic patterns in Non – Small Cell Lung Cancer, Shaakira Qadri, Ongoing (2025)
3. To explore the potential of herbal compounds as effective treatment for Lung cancer: An in-silico study, Danish Mushtaq, Ongoing (2025)
4. Training on iOncology.ai platform-Ovarian Cancer, Saurabh Rathore, Completed (2024)
5. Training on iOncology.ai platform- Breast Cancer, Pratham Kaushik, Completed (2024)
6. Elucidation of POTE (Prostate, Ovary, Testis and Embryo) Protein expression by in sillico and In vitro Approach in Ovarian Cancer, Manoj Kumar Jana, Completed (2024)
7. Role of Repressive histone modifications on nuclear architecture, Abdur Rehman, Completed (2024)
8. To investigate the effect of epigenetic modulation on resensitizing platinum resistance in EOC, Ms. Mehrose Gani, MSc. Biochemistry, Kashmir University, Completed (March-May 2024) Memorandum No.F.10-39/2024. Acad.II
9. To investigate the impact of Naproxen and diclofenac on cancer testis antigen Notch (1, 2, 3) in platinum sensitive and resistance ovarian cancer, Ms. Eynain Fayaz Waja, MSc. Biochemistry, Kashmir University, Completed (March-May 2024) Memorandum No.F.10-39/2024.Acad.II
10. To investigate the impact of monoclonal antibody therapy on expression of cancer testis antigen CTA, POTE in Ovarian Cancer, Ms. Bashie, MSc. Biochemistry, Kashmir University, Completed (March-May 2024) Memorandum No.F.10-39/2024.Acad.II
11. An AI powered functional genomics and systems biology approach to detect the epigenetic signature patterns in ovarian cancer, Ms. Mansi Sharma, MSc Bioinformatics, Department of Computer Science, Jamia Millia, Islamia, A Central University, Jamia Nagar, New Delhi – 110025, Completed (Feb-April 2024) Memorandum No.F.10-13/2024.Acad.II
12. Decoding the efficacy of homoeopathic plant extracts in ovarian cancer treatment through in-silico analysis, Ms. Ana Abbas – MSc Bioinformatics, Department of Computer Science, Jamia Millia, Islamia, A Central University, Jamia Nagar, New Delhi – 110025, Completed (March-April 2024) Memorandum No.F.10-30/2024.Acad.II

Collaborative projects

***Ongoing*: 3**

1. Randomized, Open labelled, Phase IIa /IIb Clinical trials to study the safety and efficacy of intravenous estrogen therapy in reducing the incidence of sepsis/septic shock in Trauma Hemorrhagic Shock patients", ICMR, 70L, Department of Emergency Medicine, AIIMS
2. Development of novel cancer immunotherapy by incorporating cancer/testis antigen NY-ESO-1 into Mycobacterium indicus pranii and evaluation of its antitumor efficacy and immune mechanisms using a mouse tumor model, DRBRAIRCH, AIIMS
3. Determinants of Immune Reconstitution Inflammatory Syndrome (IRIS) in adult non-HIV Central Nervous System Tuberculosis (CNSTB) patients: a prospective cohort study, Department of Neurology, CNC, AIIMS, New Delhi

***Completed*: 7**

1. Effect of NHE-1 blocker, Cariporide on initiation of return of spontaneous circulation in hypoxic cardiac arrest rat model, Department of Emergency Medicine, AIIMS, New Delhi
2. Clinical and radiologic profile, risk associations, caregiver burden and clinical outcomes in early and late onset dementia, Department of Neurology, CNC, AIIMS, New Delhi
3. Role of Epigenetics and Immune Factors in Female Genital Tuberculosis, Department of Gynaecology, AIIMS, New Delhi
4. Role of M1 macrophage on DNA methylation and PI3K-AKT signalling pathway analysis in tumor-associated Mesenchymal stem cell in Breast Cancer, Department of Biochemistry, AIIMS, New Delhi

5. To Investigate the role of Natural Killer cell in implantation failure and to study immunomodulatory effects of Intralipids in women with elevated uterine Natural Killer Cells in Fresh non-donor IVF cycles-A Randomized control Tria, Department of Gynaecology, AIIMS, New Delhi
6. Urinary novel microRNAs as a biomarker for prediction of acute kidney injury in sepsis, Department of Emergency Medicine, AIIMS, New Delhi
7. Effect of sodium-hydrogen channel (NHE-1) inhibitor in hypoxic cardiac arrest, Department of Emergency Medicine, AIIMS, New Delhi

RESEARCH OVER THE PAST 3 YEARS (As a PI):

Research project	2022-2023	2023-2024	2024-2025
Total funded projects	01	01	02
Total funding	Rs 10 Lakhs	Rs 10 Lakhs	Rs 277 Lakhs

Publications

Item	2021-2022	2022-2023	2023-2024
Total	10	12	36
Journal Articles	06	12	06
Abstracts	04	0	27
Chapter in books	0	0	03
Books	0		0

Patient Care Services:

Routine Diagnostic Services at the Neuroscience Center: (OPD + WARD)

Total Blood Collection=109180

Special Diagnostic Services at the Neuroscience Center: (OPD + WARD)

1. Ganglioside IgG = 92
2. Ganglioside IgM = 92
3. Paraneoplastic Profile = 145
4. Myositis Profile = 94
5. Therapeutic drug monitoring (TDM) = 60
6. Anti-Acetylcholine Receptor Antibody (Anti Achr Ab) = 115
7. Neuromyelitis optica (NMO) = 815
8. Myelin oligodendrocyte glycoprotein (MOG) = 815
9. Autoimmune Encephalitis Profile = 671

Molecular Diagnostic Services at the National Cancer Institute (NCI), Jhajjar Campus:

1. Human Papillomavirus (HPV) Test = 4 (New Test Introduced)
2. BCR-ABL1 Quantitative (Major, Minor, Micro) genetic test, = 06
3. Acute Lymphoblastic Leukemia (ALL) 10 genes Comprehensive Panel, = 44
4. Acute Myeloid Leukemia (AML) Multiplex Panel Real-Time PCR test, = 34

PATIENT CARE: Not Applicable

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Awarded Associate Membership of the **NMAS,** received the prestigious **"The Mint All About AI | Tech4Good Awards 2024 (Gold Category), "**sponsored by Salesforce. This recognition celebrates the **All India Institute of Medical Sciences (AIIMS)** for **iOncology.ai**, under the category **"Best Use of AI in Health and Sanitation. (**https://www.livemint.com/ai/all-about-ai-tech4good-awards-recognise-aiims-and-wadhwani-institute-for-ai-led-

solutions-in-health-and-sanitation-11734629721189.html**). Best Poster Presentation (2nd Prize):** Unveiling the biomarker and therapeutic promise of lncRNA AC092718.4 in breast cancer. GLOBAL CANCER CONSORTIUM CONFERENCE (GCCC). 28-31 January 2025, Noida, Delhi. **Best Poster Presentation (1st prize):** "Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming in Cisplatin-Resistant Epithelial Ovarian Cancer." awarded to Mr. Subhadip Kundu at GLOBAL CANCER CONSORTIUM CONFERENCE (GCCC). 28-31 January 2025, Noida, Delhi. **Best Poster Presentation (2nd Prize)**: POTE as potential therapeutic targets for epithelial ovarian cancer (EOC). OFCON Conference, 18-19 January 2025. Indraprastha Apollo Hospital, New Delhi, India. **Best Oral Presentation**: Unveiling miRNA's Role in Regulating Cancer-Testis Antigen POTEE Expression in Breast Cancer Cells. 22-24 October Kashmir, India. **(Runner Up award in GPT Young Scientist Award)**: Epigenetic Potentiation of Dendritic Cell-Mediated POTE Vaccination as a Promising Immunotherapeutic Strategy For Human Ovarian Cancer. IISC Bangalore, 17-20 October Bangalore, India. **Best Poster Presentation:** POTE Proteins in Epithelial Ovarian Cancer: Emerging Biomarkers for Precision Medicine. National conference on Emerging trends in Cancer Prevention and Therapeutic Interventions. 25-27 September 2024, Bathinda, Punjab, India. **Best Oral Presentation Award:** "Chemoresistance in Epithelial Ovarian Cancer: A Focus on Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming." awarded to Mr. Subhadip Kundu at National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions. 25-27 September 2024, Bathinda, Punjab, India.

Contributions in community & National programme:

1. Invited as a **guest speaker and expert panelist** at the event titled "Combating Cancer: Medical Strategies and Solutions in India", focused on strengthening the fight against critical diseases such as cancer and cardiovascular conditions. The event was organized by **Onlymyhealth.com**, the digital health platform of **Jagran New Media**, and was held on **26 March 2024 in New Delhi**.
2. Participated in an online interview to raise awareness about the **HPV vaccine** as a preventive measure against **cervical cancer**, organized by **Onlymyhealth.com**, a health initiative by **Jagran New Media**. was held on **21 February 2024 in New Delhi**.

Conference/workshop/seminar Organized.

1. Organized Scientific talk of Professor Sudipta Seal, University Distinguished Professor and UCF Pegasus Professor, entiled, Redox-active nanoceria: Implications in Angiogenesis. at Board Room, Administration Block, NCI/AIIMS, New Delhi, February 21, 2025.

Editorial & Review Work:

1. Editorial Board of Cell Biochemistry & Function-2024- Wiley-Blackwell
2. Editorial Board of Discover Oncology-2024- Springer Nature

VISITING SCIENTIST: NIL

Department of Clinical Microbiology

Assistant Professor

Debasish Biswal

HIGHLIGHTS

PUBLICATIONS

Item	2022–2023	2023–2024	2024–2025
Total	**0**	**0**	**9**
Journal articles	0	0	9
Abstracts	0	0	0
Chapters in books	0	0	0
Books	0	0	0

PATIENT CARE

Facilities available in department –

Bacteriology: Automated Blood Culture Systems (BD BACTEC FX 40), Automated Identification and Antimicrobial Susceptibility Systems (BD Phoenix M 50), Routine Microscopy (Gram Stain), Culture and Susceptibility

Mycobacteriology: ZN Stain, Gene Xpert Ultra

Mycology: Automated Blood Culture Systems (BD BACTEC FX 40), Automated Identification Systems (BD Phoenix M 50), KOH stain, Fungal culture

Parasitology: Stool Wet Mount, Malaria Antigen, Malaria Peripheral Blood Smear

Clinical Pathology: Automated Urine Routine and Microscopy

Hospital Infection Control: Air and Water surveillance, Swab surveillance

Item	2022–2023	2023–2024	2024–2025
OPD consultations	NA	NA	NA
Special clinic consultations	NA	NA	NA
Patients provided rehabilitation services	NA	NA	NA
Total inpatient admissions	NA	NA	NA
Laboratory Investigations	13486	16049	17077

AWARDS, HONOURS, AND SIGNIFICANT EVENTS

Dr Debasish Biswal was American Society for Microbiology (ASM) Future Leaders Mentorship Fellowship (FLMF), April 2025. Silver Medal for securing All India Rank 02 at Certified Infection Control Professional (CICP) Exam, conducted by Consortium of Accredited Healthcare Organizations (CAHO), September 2024. Dr. PS Ranganathan Memorial Silver Medal for best paper at 48th National Conference of IASSTD & AIDS held from 29 August to 1 September 2024, New Delhi for study entitled Clandestine Agents of Sterile Pyuria: Prevalence and Determinants of Chlamydia trachomatis, Ureaplasma spp, Mycoplasma hominis and Mycoplasma genitalium

Department of ENT & Head-Neck Oncology

National Cancer Institute-AIIMS, Jhajjar

Professor and Head

Alok Thakar

Professors

Kapil Sikka | Chirom Amit Singh | Rajeev Kumar

Assistant Professors

Anup Singh | Smriti Panda

Manish Verma | Manaswita Roy

Highlights

On the occasion of the 2nd AIIMS Oncology Conclave and 1st Head and Neck Symposium (15 to 16 February), the department collaborated with multidisciplinary members with a focus on head and neck cancer from various AIIMS and INIs and developed a working group for head and neck cancer to brainstorm future pathways to foster collaborative research and teaching activities.

The 10th Head and Neck Cadaveric Dissection Course was organised for residents and trainees of various AIIMS and INIs interested in Head and Neck Surgery. It was held from 25 to 26 November 2024 and attended by 10 delegates who received hands-on training.

The 4th Microvascular Anastomosis Course and Cadaveric flap harvest for trainees and residents from various AIIMS and INIs was held from 27 to 30 November 2024. Seven delegates received hands-on microvascular anastomosis training in live rat model and harvest of free flaps.

As a part of the International Head and Neck Dissection Course, live surgical demonstration of a wide spectrum of head and neck oncological surgeries was conducted in collaboration with the Department of Oncoanesthesia and Palliative Medicine on 19 March 2025.

AIIMS-NCI-INI Multidisciplinary Case Presentation Series was started on a monthly basis. It is focussed on case-based discussion for trainees in Head and Neck and moderated by faculty from AIIMS and INI. Since its inception on 31 August 2024, 4 monthly case presentations have been conducted with presentations from NCI, AIIMS Rishikesh and AIIMS Gorakhpur.

The Department is undertaking human trials on [99mTc] DTPA anti-cytokeratin collagenous nanoparticle for single-stage sentinel node biopsy.

Education

Residents pursuing MCh Head and Neck Oncology and Surgery course spend 18 months of their course duration in the Department of ENT at NCI-AIIMS. During this period, they are trained in patient care and participate in teaching activities. Patient care includes in-patient and out-patient posting, screening of head and neck cancer patients and managing head and neck cancer emergencies. Residents observe and perform various head and neck surgeries including reconstructive surgeries like regional and free flap reconstruction during this period. Academic lectures, journal clubs and case presentations are undertaken in hybrid mode along with residents and faculty members from AIIMS, New Delhi every week. The theme of the teaching activity is multidisciplinary and includes significant contributions from the Department of Pathology, Department of Radiation Oncology and Department of Medical Oncology.

CME/Workshop/Symposia/Conferences

- 10th Head and Neck Cadaveric Dissection Course: 25 to 26 November 2025
- 4th Microvascular Anastomosis and Cadaveric Flap Harvest Course: 27 to 30 November 2025
- Live-Surgical Demonstration (International Head and Neck Cadaveric Dissection Course)- 19 March 2025

Lectures Delivered: 117

Alok Thakar: 25	**Kapil Sikka: 20**	**Chirom Amit Singh: 12**
Rajeev Kumar: 27	**Anup Singh: 3**	**Smriti Panda: 26**
Manish Verma: 4		

Alok Thakar

1. TransOral Minimal Access Oncology- the concept & the execution, TransOral Surgery Workshop- AIIMS New Delhi, 2-3 April 2024, New Delhi
2. TransOral Robotic Surgery- surgical demonstration, TransOral Surgery Workshop- AIIMS New Delhi, 2-3 April 2024, New Delhi
3. Remote Access Retro-auricular Thyroidectomy- surgical demonstration, Remote Access Thyroid Surgery Workshop- AIIMS New Delhi, 4-6 April 2024, New Delhi
4. Remote Access Retro-auricular Thyroidectomy- cadaveric demonstration, Remote Access Thyroid Surgery Workshop- AIIMS New Delhi, 4-6 April 2024, New Delhi
5. Moderator, Panel- Head-Neck SARCOMA, FHNO Virtual Tumour Board Series, 24 April 2024, Online
6. Minimizing Complications in Lateral Skull Base Surgery, OTOFEST 2024-Emerging Trends in Otology. Army Research & Referral Hospital, Delhi, 26-27 April 2024, New Delhi
7. Infrastructure for Research, NCI-AIIMS Workshop on Cancer Research Priorities, NCI Jhajjar, 7-8 May 2024, Jhajjar
8. Panelist- Physician perspective on clinical trials, Oncology Center of Excellence Project Asha Roundtable--Beyond Borders: Decoding India's Oncology Clinical Trial Terrain U.S. Food and Drug Administration, 30 April 2024, Online
9. Hits and misses as an Academic Surgeon in Head-Neck Oncology, Lecture, AIIMS Kalyani, 10 June 2024, Kalyani
10. Salivary Gland Malignancies- Moderator, Panel Discussion, Delhi Oncology Forum, 27 June 2024, New Delhi
11. Jugulotympanic paragangliomas- surgical nuances and optimizing outcomes, Kashmir ENT Conclave, 4-5 July 2024, Srinagar
12. Cancer Clinical Trials- Priorities, regulatory landscape & Capacity Building- India-(Moderator- Panel discussion), US Cancer Moonshot dialogue, New Delhi, 4-6 August 2024, New Delhi

13. Current Status of Salvage Partial laryngectomy- in Decision Making in laryngeal cancer, Head & Neck Cancer Institute of India Foundation Day Meeting, 10 August 2024, Mumbai
14. Keynote Lecture- Jugulotympanic paragangliomas- the case for surgery, Annual conference of the Neuro-otological & Equilibriometric Society of India, SGPGIMS Lucknow (online), 17 August 2024, Online
15. Moderator- Salivary Gland Tumour, Annual Conference of the Association of Otolaryngologists of India, 29 September 2024, New Delhi
16. Retroauricular Robotic Thyroidectomy- safe and familiar Remote Access approach to the Thyroid, Asia-Pacific Society of Thyroid Surgery, 3-5 October 2024, Bangkok, Thailand
17. Facial reanimation- Split hypoglossal-facial anastomosis, Facial plastics Course, 11 October 2024, New Delhi
18. Glomus Jugulare Excision- How I do it, ISOCON 2024 (Annual Conference of the Indian Society of Otology), 8-10 November 2024, Agra
19. Keynote- Nasopharyngeal Angiofibroma- Bench to Practice, RHINOCON2024, 35th Annual Conference of the All India Rhinology Society, 22-24 November 2024,
20. Loco-Regional Advanced Medullary Thyroid Cancer, UCMS-UChicago International Conference on Head-Neck Cancers, 23-24 December 2024, New Delhi
21. Panellist- Salivary Gland cancers, UCMS-UChicago International Conference on Head-Neck Cancers, 23-24 December 2024, New Delhi
22. KeyNote Lecture- 150Years of Laryngectomy- Current State of Art, & the Future, CNCI Cancer Update, Chittaranjan National Cancer Institute, 24-25 January 2025, Kolkata
23. Panelist- Preservation Strategies and Salvage Total Laryngectomy- who is answerable to the patient? CNCI Cancer Update, Chittaranjan National Cancer Institute, 24-25 January 2025, Kolkata
24. Salvage Partial Laryngectomy, 1st Laryngopharyngeal Cancer Masterclass- MAMC, 8 March 2025, New Delhi
25. Surgical demonstration- superficial parotidectomy, International Head-neck Dissection Course, 17-21 March 2025, New Delhi

Kapil Sikka

1. Demonstrated Neck dissection on cadavers, International Head and Neck dissection course, 17-21 March 2025, Delhi
2. Live surgical demonstration of Laryngectomy and Neck dissection and guided the dissectors, International Head and Neck dissection course, 17-21 March 2025, Delhi
3. Workshop on Nerve monitoring, AIIMS Neuro-otology update 2025, 20-22 February 2025, Delhi
4. Tumor board, AIIMS-Liverpool Head and Neck collaboration, 12 February 2025, Delhi
5. Unique experiences of patients with cancer: survivorship and caregivers perspectives, World Cancer Day, 4 February 2025, Delhi
6. Demonstrated Neck dissection on cadavers, International Head and Neck dissection course, 17-21 March 2025, Delhi
7. Live surgical demonstration of Laryngectomy and Neck dissection and guided the dissectors, International Head and Neck dissection course, 17-21 March 2025, Delhi
8. Optimising treatment decisions in Parotid Cancer, Annual conference of Association of Otolaryngologists of India, 9-12 January 2025, Kochi
9. Cochlear Implant red flags and difficult situations, Annual conference of Association of Otolaryngologists of India, 9-12 January 2025, Kochi
10. Judged the prestigious KU Shah Senior Consultant award paper, Annual conference of Association of Otolaryngologists of India, 9-12 January 2025, Kochi
11. Decision making in management of Parotid Cancers, UCMS-U-Chicago International Conference, 23-24 December 2024, Delhi
12. Demonstrated neck dissection on cadaver, Hands on Head and Neck cadaveric dissection and reconstruction workshop, 21-22 December 2024, Delhi
13. Examined a case discussion on “carcinoma larynx”, 13th ENT Update 2024, 5-7 September 2024, Delhi

14. Demonstrated “Neck dissection” on cadavers, 10th Cadaveric Head and Neck dissection course, 25 - 26 November 2024, Delhi
15. Case based discussion on revision thyroid surgery, 5th Congress of Asia Pacific Society of Thyroid surgery, 3-5 October 2024, Thailand
16. Chaired a session on “Management of complications in thyroid surgery, 5th Congress of Asia Pacific Society of Thyroid surgery, 3-5 October 2024, Thailand
17. Live cadaveric demonstration of Neck dissection and laryngectomy procedures, 41st Annual Conference of Uttar Pradesh Association of Otolarynologists, 27-29 September 2024, Varanasi
18. Challenges in management of Laryngeal Cancers, 10th National conference of Indian Academy of Otorhinolaryngology Head and Neck Surgery (IAOHNS) 2024, 9-11 August 2024, Mangalore
19. Series on PNS tumors, “Mahamana Pandit Madan Mohan Malviya Cancer centre”, 27 June 2024, Varanasi (Virtual)
20. Management of T1 T2 N0 Differentiated thyroid carcinoma, “Post graduate teaching Webinar 2024”, 28-29 April 2024, Mumbai (Virtual)

Chirom Amit Singh

1. Management of Neck in head and neck cancers, AHEAD 2024, 25-27 October 2024, Amrita Institute of Medical Sciences, Kochi.
2. Surgical Video: Pectoralis Major flap, AHEAD 2024, 25-27 October 2024, Amrita Institute of Medical Sciences, Kochi.
3. Moderator: Rehabilitation of paralyzed face, 6th AIIMS Facial Plastic Workshop & CME, 11-13 October 2024, AIIMS, New Delhi
4. Demonstrator: Incision, suturing, local flap, 6th AIIMS Facial Plastic Workshop & CME, 11-13 October 2024, AIIMS, New Delhi
5. Advances in mandibular reconstruction with free fibula flap, Delhi AOICON 2024, 27-29 September 2024, New Delhi
6. Tracheal resection for thyroid lesions, Learning thyroid surgeries CME, 20 July 2024, Max Saket, New Delhi
7. Operative technique discussion: Partial Laryngectomy, TMC Postgraduate program 2024- Webinar, 27-28 April 2024, Online
8. Borderline Operable Advanced Oral Cancers, Do We Have Options? UCMS-UCHICAGO International Conference on Head And Neck Cancers, 23- 24 December 2024, New Delhi
9. Panellist: Management of Oral Cancers- Current Perspectives, IAOHNS 2024, 8-11 August 2024, Manipal
10. Cadaveric demonstration: Radial forearm free flap, Free fibula flap, 3rd MID-TERM IAOHNS 2025, 21-23 March 2025, Chandigarh
11. Cadaveric demonstration: ALT flap, Hands on cadaveric dissection and reconstruction Workshop, 21 December 2024, UCMS, New Delhi
12. Cadaveric demonstration: Total laryngectomy, AIIMS international head & Neck dissection Course, 17-21 March 2024, AIIMS, New Delhi

Rajeev Kumar

1. Panellist on panel discussion on “Management of thyroid nodules”, Transoral Endoscopic & Thyroid Cancer TOET-24 International, 2-6 April 2024, AIIMS, New Delhi
2. Moderator for panel discussion on “Carcinoma Oral Cavity and Oropharynx, ONCO-CON 2024, 13-14 April 2024, Max Institute of Cancer Care, Vaishali, Ghaziabad, UP
3. Surgical steps of total laryngectomy, Workshop on Voice, Airway & Swallowing, 13-14 July 2024, Medanta Hospital, Gurugram
4. Sutureless Thyroidectomy, CME on “Learning Thyroid Surgeries through video vignettes”, 20 July 2024, Max Hospital Saket
5. Lid loading for facial reanimation, IAOHNS 2024 10th National Conference of Indian Academy of Otorhinolaryngology head Neck Surgery, 9-11 August 2024, KMC Manipal, Mangalore

6. Lateral Temporal Bone Resection, NESCON 2024 42nd National Conference of Neuro-Otological & Equilibriometric Society of India, 16-18 August 2024, SGPGI, Lucknow
7. Management of Temporal Bone Malignancies, NESCON 2024 42nd National Conference of Neuro-Otological & Equilibriometric Society of India, 16-18 August 2024, SGPGI, Lucknow
8. Supraclavicular Artery Island Flap (SCAIF) for Head Neck Reconstruction: Lessons Learned and Improvising Results, 46th Annual Conference of Association of Otolaryngologists of India (Delhi State Branch), 27-29 September 2024,
9. Lid Loading, 6th AIIMS Facial Plastics Workshop & CME, 11-13 October 2024, AIIMS, New Delhi
10. Panellist on panel discussion "Rehabilitation of Paralysed Face", 6th AIIMS Facial Plastics Workshop & CME, 11-13 October 2024, AIIMS, New Delhi
11. Demonstrated Rhomboid and Bilobed flap on animal model, 6th AIIMS Facial Plastics Workshop & CME, 11-13 October 2024, AIIMS, New Delhi
12. Voice rehabilitation after total laryngectomy, 10th AIIMS Head Neck Cadaveric Dissection Course, 25-26 November 2024, JPNATC, AIIMS, New Delhi
13. Cadaveric Demonstration of "Total Laryngectomy with TEP insertion", 10th AIIMS Head Neck Cadaveric Dissection Course, 25-26 November 2024, JPNATC, AIIMS, New Delhi
14. Cadaveric demonstration of "Free Fibula Harvesting Technique", 4th AIIMS Hands-On Microvascular Reconstruction Course 2024, 27-30 November 2024, JPNATC, AIIMS New Delhi
15. Examiner for "Carcinoma Oral cavity" case-based discussion, 13th ENT Update 2024, 5-7 December 2024, MAMC, New Delhi
16. Invited talk on "Management of Solitary thyroid nodule, 13th ENT Update 2024, 5-7 December 2024, MAMC, New Delhi
17. Cadaveric demonstration of "Total Maxillectomy" technique, Hands-On Head Neck Cadaveric Dissection & Reconstruction Workshop 2024, 21-22 December 2024, UCMS &GTB Hospital, New Delhi
18. Management of mandible in oral cavity cancers, UCMS-UChicago International Conference on Head- Neck Cancers, 23-24 December 2024, UChicago Centre, New Delhi
19. Radiology of Nose and PNS, 1st Hands on Cadaveric Basic FESS & Anterior Skull-base Workshop, 1-2 February 2025, Dr RML Hospital, New Delhi
20. Open Partial Laryngectomies: When and Why ? 2nd Otorhinolaryngology Update - Head &Neck Oncology, 4 February 2025, GIMS, Greater Noida
21. Salvage Total Laryngectomy, 1st Masterclass on "Laryngopharyngeal Cancers", 8 March 2025, MAMC New Delhi
22. "Surgical technique of Total Thyroidectomy", AIIMS International Head Neck Cadaveric Dissection Course, 17-21 March 2025, AIIMS, New Delhi
23. "Surgical Technique of Total Laryngectomy", AIIMS International Head Neck Cadaveric Dissection Course, 17-21 March 2025, AIIMS, New Delhi
24. Cadaveric demonstration of "Total Maxillectomy", AIIMS International Head Neck Cadaveric Dissection Course, 17-21 March 2025, AIIMS, New Delhi
25. Cadaveric demonstration of "Supraclavicular artery Island Flap", AIIMS International Head Neck Cadaveric Dissection Course, 17-21 March 2025, AIIMS, New Delhi
26. Panellist on panel discussion on "Salivary gland tumours", 3rd Mid-IAOHNS, 22-23 March 2025, PGIMER, Chandigarh
27. Open Partial Laryngectomies, 3rd Mid - IAOHNS, 22-23 March 2025, PGIMER, Chandigarh

Anup Singh

1. Rehabilitation of laryngectomised patient: Clinical perspectives, Workshop on Voice Airway and Swallowing-2024, 13-14 July 2024, Gurugram
2. Clinicoradiological evaluation of Temporal Bone malignancies, ISOCON-2024, 9 November 2024, Agra

3. Imaging Anatomy of Jugular Foramen, ISOCON-2024, 10 November 2024, Agra

Smriti Panda

1. Cadaveric demonstration: Superficial parotidectomy and Total conservative parotidectomy, Head and Neck Cadaveric Dissection Course, AIIMS Gorakhpur, 28 April 2024, Gorakhpur
2. Chyle Leak, Head and Neck Complicon, 23 August 2024, Bengaluru
3. Panellist: Complications in Head and Neck, Head and Neck Complicon, 23 August 2024, Bengaluru
4. Moderator: Panel on work-up of salivary gland tumours, World ENT Academy, 29 May 2024, Online
5. Panellist: Troubleshooting in intraoperative nerve monitoring, Indian Society of Thyroid Surgeons Conference, 8 June 2024, Kolkata
6. Salvage surgery in oral cavity and oropharyngeal cancer, Max Oncology Conference, 13 October 2024, New Delhi
7. Video: Robotic retroauricular thyroidectomy, CME on Thyroid Cancer, 13 July 2024, New Delhi
8. Management of locally advanced oral cavity cancer, Haryana AOI, 1 December 2024, Jhajjar
9. Panellist: Management of thyroid nodules, Haryana AOI, 1 December 2024, Jhajjar
10. Surgical Video: Total Laryngectomy, MAMC ENT Update, 7 December 2024, New Delhi
11. Surgical Video: Total Maxillectomy with Reconstruction, UCMS-U Chicago Meet, 24 December 2024, New Delhi
12. Compartment Tongue Surgery, 2nd Otorhinolaryngology Update – Head & Neck Oncology, 25 January 2025, Noida, UP
13. Concept of compartment resection in oral cavity cancer, Mid-term IAOHNS, 22 March 2025, Chandigarh
14. Panellist: Oral cavity cancer, Mid-term IAOHNS, 22 March 2025, Chandigarh
15. Panellist: Case-based discussion carcinoma larynx, Masterclass Laryngopharyngeal cancer, 8 March 2025, New Delhi
16. Judge: Oral paper, FHNO, 18 October 2024, Mumbai
17. Panellist: Salivary gland neoplasm, FHNO, 19 October 2024, Mumbai
18. Voice rehabilitation after total laryngectomy, International Head and Neck Cadaver Dissection Course, 20 March 2025, New Delhi
19. Cadaveric demonstration: pectoralis major myocutaneous flap, International Head and Neck Cadaver Dissection Course, 20 March 2025, New Delhi
20. Intraoperative nerve monitoring, 10th Head and Neck Cadaveric Dissection Course, 26 November 2024, New Delhi
21. Angiosome Concept, AIIMS Facial Plastics Conference, 13 October 2024, New Delhi
22. Moderator: landmark trials for mandibular preservation, FHNO academics, 13 April 2024, Online
23. Moderator: Evidence for sentinel node biopsy in oral cavity cancer, FHNO academics, 15 June 2024, Online
24. Moderator: HPV positive oropharyngeal cancer, FHNO academics, 17 August 2024, Online
25. Moderator: Neoadjuvant chemotherapy in oral cancer, FHNO academics, 14 December 2024, Online
26. Moderator: History and basic principles of head and neck surgery, FHNO academics, 25 January 2025, Online

Manish Verma

1. Suturing technique in oral cancer (Invited Chairperson), Mid Term Haryana AOI conference, 3-4 August 2024, PGIMS, Rohtak
2. Hands on training on Suturing technique (Guest Faculty), Mid Term HAOICON, 3-4 August 2024, PGIMS, Rohtak
3. Powered instrument workshop (Moderation), 24th National Conference of the Foundation for Head Neck Oncology, 18-20 October 2024, Mumbai

4. Rehabilitation after Total Laryngectomy (Invited Talk), 29th Annual Conference of Association of Otorhinolaryngologist of India, 29 November-1 December 2024, WCMSR and Hospital, Haryana.

Lectures Delivered Over Past Three Years

2022-23	2023-2024	2024-2025
99	74	117

Oral Papers/Posters Presented: 17

1. Sood R, Panda S, Kakkar A, Thakar A, Deciphering malignancy risk in ambiguous MILAN Categories. Our Experience, Oncosurgery mastercourse (Salivary Gland), 27 July 2024, HCG Ahmedabad.
2. Karthika C, Panda S, Kakkar A, Thakar A, Oncological outcomes in mucoepidermoid carcinoma. A Decade dissected. (Oral paper: First Prize), Oncosurgery mastercourse (Salivary Gland), 27 July 2024, HCG Ahmedabad.
3. Moideen A, Panda A, Thakar A, Agarwal S, Retrospective correlation between USG -TIRADS and histopathology in Bethesda III and IV thyroid nodules.- An Institutional experience, FHNO 2024, 18-20 October 2024, Mumbai
4. Gupta R, Panda S, Thakar A, Risk factor analysis in a cohort of head and neck osteoradionecrosis, Haryana AOI, 1 December 2014, Jhajjar
5. Devi S, Panda S, Kakkar A, Thakar A, Metastasis to parotid region from oral squamous cell carcinoma - risk factors and survival, FHNO 2024, 18-20 October 2024, Mumbai
6. Rachit Sood, Anup Singh, Rajeev Kumar, Kapil Sikka, Chirom Amit Singh, Smriti Panda, Alok Thakar, Surgical and Oncologic outcomes in temporal bone carcinoma, FHNO 2024, 18 October 2024, Mumbai
7. Kakkar A, Saifi S, Kumar R, HMGA2 immuno-expression in epithelial myoepithelial carcinomas, European Congress of Pathology ECP 2024, September 2024, Florence, Italy
8. Karthika C, Panda S, Thakar A, Sikka K, Singh CA, Kumar R, A study analyzing the journey “Back to Normalcy” in oral cavity cancer survivors, 4th Annual Research Day 2025, January 2025, AIIMS, New Delhi
9. Karthika C, Sikka K, Thakar A, Singh CA, Kumar R, Panda S, Verma H, Bhaskar S, Biswas A, Sharma A, Kumar A, Intraglandular botulinum toxin in post-operative head neck fistula: A retrospective comparative analysis, 4th Annual Research Day 2025, January 2025, AIIMS, New Delhi
10. Saifi S, Kakkar A, Sarma C, Kaur K, Kumar R, Alok Thakar A, Development of a high-through put targeted genomic assay for diagnosis of salivary gland neoplasms, 4th Annual Research Day 2025, January 2025, AIIMS, New Delhi
11. Tandon A, Saifi S, Kaur K, Kumar R, Kakkar A, BSND Immunohistochemistry: A Game-Changer in Diagnosing Salivary Gland Tumors with Oncocytic Cells, 72nd Annual Conference of IAPM & lAP-ID (APCON 2024), December 2024, Cuttack, Odisha
12. Kumar R, Speech and Swallowing outcomes with Infrahyoid myo-cutaneous flap reconstruction after compartmental glossectomy, 46th Annual Conference of Association of Otolaryngologists of India (Delhi State Branch), 27-29 September 2024, New Delhi
13. Kumar R, Video on “Open Partial Supraglottic Laryngectomy”, 46th Annual Conference of Association of Otolaryngologists of India (Delhi State Branch), 27-29 September 2024, New Delhi
14. Kumar R, Saini A, Suresh M, Sagar P, Singh CA, Sikka K, Kumar R, Agarwal S, Risk of malignancy in solitary thyroid nodule, 5th Congress of Asia-Pacific Society of Thyroid Surgery, 3-5 October 2024, Bangkok, Thailand
15. Kumar R, Singh A, Manchanda S, Kumar R, Bhalla AS, Singh CA, Thakar A, Speech and swallowing outcomes with IHMCF reconstruction after compartmental glossectomy, 46th Annual Conference of Association of Otolaryngologists of India (Delhi State Branch), 27-29 September 2024, Delhi
16. Samantha N, Kumar R, A Randomised Controlled Trial (RCT) evaluating the effectiveness Polyglycolic Barbed suture (3-0) versus Polyglactin (Vicryl 3-0) for pharyngeal closure after total laryngectomy in pharyngocutaneous fistula (PCF) reduction: An Interim Analysis, FHNO 2024 24thNational Conference of the Head Neck Oncology, 18-20 October 2024, Mumbai, India
17. Verma M, Kumar A, Kumar R, Sikka K, Singh CA, Singh A, Factors predicting surgical outcomes in geriatric head neck cancer in a developing country, FHNO 2024 24thNational Conference of the Head Neck Oncology, 18-20 October 2024, Mumbai, India

Total Number of Oral/poster Presentations

2022-2023	2023-2024	2024-2025
5	17	17

Research

Funded

Ongoing

1. Centre for Medical Innovation and Enterpreunership (AIIMS BioNEST), Prof Alok Thakar, AIIMS BioNest
2. Minimally invasive nano enabled targeted technology for Sentinel Lymph Node detection in Head-Neck Cancers, Prof Alok Thakar, Biotechnology Ignition Grant-(BIG GRANT) Department of Biotechnology-BIRAC-DBT 2024-25
3. To conduct the pre compliance and clinical validation of implantable and diagnostic devices (Otorhinolaryngology, Opthalmics, and Orthopedic), Kapil Sikka, ICMR, 5 years, 2024-2029, Rs 14.95 Crore
4. Comparative analysis of qPCR, mRNA ISH and p16 IHC for detection of high risk HPV on fine needle aspirates and core needle biopsies in patients with metastatic squamous cell carcinoma in cervical lymph nodes, Prof Chirom Amit Singh, AIIMS Intramural Collaborative
5. Community based model for early detection speech and language training of hearing impaired children in four regions in India Mixed methods Implementation study, Prof Chirom Amit Singh, ICMR Intermediate Grant
6. A Phase IIb/III study to determine efficacy of Curcumin and Metformin to reduce the incidence of second primary tumors of aero-digestive tract in patients with history of head and neck squamous cell carcinoma, Prof Rajeev Kumar (Site PI), NCG, 6 years, 2020-2026
7. Prospective study to evaluate the role of Systemic Bevacizumab therapy in patients with aggressive and complex laryngotracheal and pulmonary recurrent respiratory papillomatosis, Prof Rajeev Kumar, AIIMS Intramural Collaborative Research Project, 3 years, 2021-2024
8. Study to determine the role of mTOR pathway in the pathogenesis of juvenile nasopharyngeal angiofibroma, Prof Rajeev Kumar, AIIMS Intramural Research Project, 3 years, 2021-2024
9. Intraglandular Botulinum Toxin BoNT Injection for Postoperative Head and Neck Fistula Healing- A Pilot Study, Smriti Panda, Intramural early career grant, 2 years, 2024-2026, Rs 5.85 Lakhs
10. Acute and Long-Term Impact of Head and Neck Cancer Treatment on Autonomic Function, Smriti Panda, ICMR- Extramural Small Grant, 3 years, 2025-2028, Rs 84,45,837
11. Transorbital approach to infratemporal Fossa - A cadaveric exploratory Study, Dr Anup Singh, AIIMS Delhi, 2 years, 2024, Rs 5 Lakhs

Concluded

Ongoing Thesis

1. A prospective study to evaluate role of various frailty screening instruments in predicting surgical complications in geriatric head neck cancer patients.
2. Comparative study evaluating Ex-Vivo US aided deep margin assessment with fresh frozen section analysis in T1-T3 tongue carcinoma: Feasibility study
3. Surgical Outcomes In Compartmental Glossectomy And Standard Wide Margin Excision In T2-T3 Oral Tongue Squamous Cell Carcinoma- A Randomised Control Trial
4. Neoadjuvant Chemotherapy Using Lenvatinib In Locally Advanced Differentiated Thyroid Carcinoma- A Phase Ii Open Label Study.
5. Impact of Surgical Manipulation of Tumor on Circulating Tumor Cell (CTC) Kinetics in Oral Cavity Squamous Cell Carcinoma
6. Prospective analysis of predictive factors for tracheal stomal stenosis after total laryngectomy for laryngeal and hypopharyngeal malignancies (2021 -2023, Non funded study)
7. Role of ultrasound in predicting the depth of tumour invasion and lymph node metastasis in early tongue carcinoma.(2017-till date, Non-Funded Study)
8. Comparative evaluation of CAD-CAM planning versus traditional free fibula planning in surgical outcomes in mandibular reconstruction- A Prospective Study

9. Ambispective Analysis Of Clinico-Pathological Characteristics And Treatment Outcomes Of Sinonasal Malignancies
10. Predictors of clinical outcomes in Adenoid Cystic Carcinoma of Head and Neck: An Ambispective Analysis
11. Sentinel lymph node detection in early stages of oral squamous cell carcinoma: comparison between DTPA Cytokeratin- Collagenous Nanoparticle [99m Tc] Tc-DC-ColNP and [99m Tc] Tc-sulphur colloid
12. Assessing Quality of life and surgical outcomes: A Comparison of Robotic and Open Thyroidectomy in patient undergoing thyroidectomy

Completed

1. A Prospective Study to evaluate the impact of Oral Sub mucous Fibrosis (OSMF) on occult and overt lymph nodal metastases in Gingivo-buccal complex carcinomas (GBCC) (T1-T4a) of Oral cavity
2. A prospective study to determine early predictive factors of hypocalcemia in patients undergoing total or completion thyroidectomy
3. Ambispective study to evaluate the utility of Supraclavicular artery island flap [SCAIF] reconstruction in Head and Neck Cancers
4. Ambispective study to assess various primary tumour and ipsilateral nodal factors associated with contralateral nodal metastasis in patients with OCSCC
5. Study evaluating the effectiveness of Barbed suture versus Vicryl suture for pharyngeal closure after total laryngectomy in PCF reduction
6. Role of adjuvant therapy in early stage oral cavity squamous cell carcinoma- An ambispective analysis
7. A Study Analysing “Back To Normalcy” In Oral Cavity Cancer Survivors
8. Role of adjuvant therapy in early stage oral cavity squamous cell carcinoma- An ambispective analysis

Collaborative projects

Ongoing

1. A Phase IIb/III study to determine efficacy of Curcumin and Metformin to reduce the incidence of second primary tumors of aero-digestive tract in patients with history of head and neck squamous cell carcinoma, SPT Trial funded by NCG; Multi-centric
2. Evaluation of specific molecular alterations and tumor immune microenvironment for detection of clinically actionable targets in high grade salivary gland carcinomas, ICMR Funded, Department of Pathology
3. The SWOAR trial: A phase III trial evaluating dysphagia-aspiration related structures & submandibular gland sparing Intensity modulated radiotherapy (SWOAR-IMRT) versus standard IMRT in Head and neck squamous cell carcinoma, Department of Radiotherapy
4. The tumour immune microenvironment of follicular cell -derived thyroid carcinomas across different grades utilizing gene expression and spatial proteomic profiling, Department of Pathology
5. Role of celecoxib in reducing cognitive impairment in patients receiving definitive chemoradiation for head and neck carcinoma: A phase II randomized placebo controlled trial, Department of Medical Oncology
6. Potentially malignant lesion atlas project: Validating the efficacy of a novel, Point-of -care diagnostics and developing an integrated multidimensional, prognostic nomogram, ICMR funded, Department of Preventive Oncology, NCI AIIMS
7. Identification of early candidate biomarkers of oral cancer from the saliva exosomal proteome
8. Utility of pectoralis major myofascial flap in reducing pharyngocutaneous fistula rates after salvage total laryngectomy
9. Potential diagnostic and prognostic biomarkers in precursor lesions of oral squamous cell carcinoma, Department of Pathology
10. Evaluation of specific molecular alterations and tumor immune microenvironment for detection of clinically actionable targets in high grade salivary gland carcinomas, ICMR Funded, Department of Pathology
11. The tumour immune microenvironment of follicular cell -derived thyroid carcinomas across different grades utilizing gene expression and spatial proteomic profiling, DST-SERB Funded, Department of Pathology

12. Role of celecoxib in reducing cognitive impairment in patients receiving definitive chemoradiation for head and neck carcinoma: A phase II randomized placebo-controlled trial, ASCO, Conquer Cancer Foundation International Innovation Grant 2023, Department of Medical Oncology
13. Potentially malignant lesion atlas project: Validating the efficacy of a novel, Point-of -care diagnostics and developing an integrated multidimensional, prognostic nomogram, ICMR funded, Department of Preventive Oncology, NCI AIIMS

Completed

1. Evaluation of genetic profile of olfactory neuroblastoma, Department of Pathology
2. Comparison between kit based and in-house preparation of Tc -99m Ubiquicidin, Department of Nuclear Medicine
3. Utility of 99m Tc- Ubiquicidin scintigraphy in diagnosis of sinonasal mucormycosis, Department of Nuclear Medicine
4. Utility of Ga - 68 - NOTA- UBI in infectious and non- infectious lesions, Department of Nuclear Medicine
5. A phase II study of EMF (Erlotinib+ Methotrexate+ Celecoxib) in platinum refractory recurrent /metastatic head neck squamous cell carcinoma, Department of Medical Oncology
6. Assessment of Oral Microbiome and its significance in upper aerodigestive tract cancers, Department of Medical Oncology

Publications

Item	2023-2024	2024-2025
Total	36	40
Journal Articles	28	33
Abstracts	7	5
Chapter in Books	1	2
Books	--	--

Patient Care

The department undertakes OPD, in patient services, operation theatres and multidisciplinary tumour board (DMG) for head and neck cancer patients. The statistics are as follows:

Item	2022			2023			2024			2025		
OPD	New	Old	Total	New	Old	Total	New	Old	Total	New	Old	Total
	891	5620	6511	1181	8194	9375	147	1330	1477	1118	8282	8400
IPD	578			658			92			575		

Minor OT Procedures

2023–694

2024–1013

2025–880

Major OT Procedures

2023–552

2024–641

2025–330

Smriti Panda

- International Visiting Scholarship (IVS)-2024: American Academy of Otolaryngology- Head and Neck Surgery (AAO-HNSF)
- FHNO 2024: Scientific committee member

- Reviewer: Indian J Otolaryngology and Head and Neck Surgery
- FHNO academic committee member

Department of Obstetrics & Gynaecology

Professor & Head

Neena Malhotra

Professors

Seema Singhal | Jyoti Meena

Additional Professor

Rajesh Kumari

Associate Professors

Nilanchali Singh | Anju Singh

Gynaecologic Oncology

Assistant Professors

Aarthi S Jayraj | Arnika Kashyap

HIGHLIGHTS

In the past year, the Department of Gynaecological Oncology at the National Cancer Institute (NCI), Jhajjar, AIIMS, has made significant strides in clinical care, research, and academic excellence. The department has provided comprehensive multidisciplinary care to patients with gynaecological malignancies, including ovarian, cervical, endometrial, and vulvar cancers. A notable increase in complex cytoreductive and staging surgeries has been observed, along with enhanced integration of systemic therapies and precision medicine. The department has also contributed to several investigator-initiated and collaborative clinical trials, focusing on early detection, novel therapeutics, and survivorship in gynaecological cancers. Major efforts were directed toward streamlining patient pathways, improving access to care, and strengthening palliative and preventive services. Academic activities included regular tumour boards, CMEs, and hands-on training for residents and fellows. The team actively participated in national and international conferences, with several oral and poster presentations showcasing innovative work. Furthermore, community outreach and awareness initiatives were conducted in collaboration with public health agencies, focusing on HPV vaccination and screening for cervical cancer. These combined efforts reflect the department's commitment to delivering evidence-based, patient-centric care while advancing knowledge and capacity-building in the field of gynaecological oncology.

EDUCATION

The Department of Gynaecologic Oncology at the National Cancer Institute (NCI), Jhajjar, actively supports residents and trainees from AIIMS, New Delhi, particularly those enrolled in the MCh Gynaecologic Oncology program. We provide our residents with advanced clinical exposure and hands-on surgical training in managing a wide spectrum of gynaecological cancers, including cervical, ovarian, uterine, vaginal, and vulvar malignancies, within a multidisciplinary cancer care framework. Our department facilitates rotations and short-term training opportunities for residents, integrating systemic therapies, precision medicine, and advanced surgical techniques such as HIPEC. We also engage trainees in tumor boards, research projects, and clinical trials conducted at NCI, fostering their academic growth and research skills. This collaboration ensures that students benefit from the comprehensive cancer care environment at NCI, enhancing their expertise and preparing them to become well- trained gynae-oncologists. Through joint academic activities, workshops, and conferences, we continue to contribute to the shared mission of advancing education, research, and patient-centric care in gynaecological oncology.

CMEs/Workshops/Symposia/National and International Conferences

Workshops Conducted:

AIIMS-WHO Collaborative Centre for Cervical Cancer Prevention and Research Training on Colposcopy and Management of Precancerous Lesions for Maldives and Sri Lanka MoH Officials, Training, 19-24 August 2024, AIIMS, New Delhi

Neena Malhotra

1. "Fertility preservation in Cancer patients", XXIV Annual meeting of Triavandrum Ob-Gyn, Club "ADVANCES 2024", 6 April 2024, Thiruvananthpuram, Trivandrum

2. “Removal of the space occupying lesions of the Uterus: When, Which and How much?”, CME Organized by ARMY Hospital, Ayurvigyan Auditorium, AHRR, 14 April 2024, New Delhi,
3. “Medical and ethical challenges in fertility preservation”, ISAR – ReproMed Update 2024, 12 May 2024, Jodhpur, AIIMS
4. Medical and ethical challenges in fertility preservation – are we ready yet? Wisdom 2024 – A FOGSI National Conference, 21-23 June 2024, ITC Royal Bengal, Kolkata
5. “Ethical And Social Concerns Of Fertility Preservation” at session- Mixed Bag: Spark is Still There, NZIMSCON Conference 2024, 13 July 2024, Hotel Radisson Blu in Faridabad.
6. “Patient – Centric Approach in Fertility Treatments”, 5th IVF Summit & Awards, 25 July 2024, online mode
7. “Genetic Causes and Future Directions”, FOGSI FIGO Global Conference on Updates in Obstetrics and Gynaecology 2024 conference, 24 August 2024, HICC, Hyderabad, Telangana
8. Stem cells in Reproductive Medicine”, “My experience with Dual stimulation? “FUSION 2024, International Conference on reproductive medicine, jointly organized by ESHRE, IFS and ISAR, 13-15 September 2024, Marriot Hotel, Jaipur.
9. “Ovarian Cryopreservation - Global vs Indian Perspective”, “FUSION 2024, International Conference on reproductive medicine, jointly organized by ESHRE, IFS and ISAR, 13-15 September 2024, Marriot Hotel, Jaipur.
10. Cryopreservation in Gynaecological disorders, 62nd AICOG 2025 - Advanced ART Workshop - Session- IV: Precision in Practice Protocols, 8-12 January 2025, Mumbai
11. Keynote Address-I The Future of Fertility Preservation In India, ISSRF – 2025, Conference on Integrating basic biological and applied research into clinical practice for human welfare, 14 February 2025, Jaipur

Seema Singhal

1. Genital tract microbiome and gynaecological cancers, AOGIN India 2024, 5 October 2024, Pondicherry
2. Panel discussion on abnormal vulvar lesions as panelist, AOGIN India, 4 October 2024, Pondicherry
3. Demonstration of Vulvoscopy, AOGIN India 2024, 4 October 2024, Pondicherry
4. Panel Discussion “Fertility Preservation in Gynaecological Cancers”, 23rd Annual International Conference - “RGCON 2025, 22 March 2025, RGCI Delhi
5. Moderator for panel discussion Current Paradigm Shift in Management of Advanced Endometrial Cancer, Webinar on endometrial cancer care, 28 August 2024, AGOI (International webinar)
6. Panel discussion: Future of MIS in India, 31st Annual Conference of the Association of Gynaecologic Oncologists of India, 8 December 2024, AGOICON Kochi
7. Panelist “Panel Discussion on Carcinoma Cervix”, 3rd Oncology updates 2025, 13 April 2025, India Habitat Centre New Delhi
8. Panel Discussion, HEREDITARY GYNAECOLOGICAL CANCERS’ workshop IRC RCOG Annual Conference 2025, 1 March 2025, IIC, New Delhi
9. Debate “Primary HPV Screening or VIA”, 16th National Conference of ISCCP, 13 April 2024, Raipur
10. Lecture “Clinical Implications of Newer Classifications in Endometrial & Cervical Cancers”, Webinar on Implications of Molecular classification of endometrial cancer, 11 December 2024, AGOI (virtual)

Jyoti Meena

1. Moderated a panel on “Interpretation with case scenarios: Normal or Abnormal colposcopy”, AOGIN Interim CME on Skill Enhancing Course in Colposcopy & Treatment of CIN, 4 May 2024, AIIMS, Delhi
2. Panelist for Panel on Cervical Intraepithelial Neoplasia-Difficulty in Decision, CCC-Episode-20 Webinar, 12 June 2024, Online
3. Moderator for Case “Inappropriate hysterectomy for cancer cervix”, AGOI Case presentation series, 10 July 2024, Online
4. Introduction to Cervical Cancer Screening: WHO guidelines, WHO-CC Training on Colposcopy and the Management of Precancerous Lesions for Maldives & Sri Lanka MoH officials, 19 August 2024, AIIMS, Delhi

5. Excisional Procedure: Conization, WHO-CC Training on Colposcopy and the Management of Precancerous Lesions for Maldives & Sri Lanka MoH officials, 21 August 2024, AIIMS, Delhi
6. Discussant for "Hypofractionated radiation therapy in gynecologic cancer", 52 ASGO webinar series, 26 September 2024, Online
7. From Misapprehension to revelation: Story of a Pelvic Mass, AOGD monthly meet, 30 August 2024, Delhi
8. Panelist for panel discussion on "Cervical Challenges: Dynamic case-based discussion", FOGSI IAECON Conference, 7 September 2024, Delhi
9. Molecular classification of ca endometrium, CME: Basics to Breakthrough in Gynae Oncology "Series 2 Endometrial cancer, 14 September 2024, Delhi
10. Panelist for panel discussion on "HPV vaccination in special populations", AOGIN 2024 conference, 5 October 20024, Pondicherry
11. Exploration of Subspecialty Program in Gynecologic Oncology: Europe and USA, ASGO 2024, 30 November 2024, Bali, Indonesia
12. Current Trends in Educational Material Development for gynecologic oncology, ASGO 2024, 1 December 2024, Bali, Indonesia
13. An update on the clinical development for cervical cancer, ASGO Webinar #55 Review Course 2024: Final Session of the Year, 19 December 2024, Online
14. Beyond Routine Care: Addressing Mental Health in Gynaecological Cancer, 1st NCPO-2025, 5 January 2025, Delhi
15. Panelist for panel discussion on "Fertility sparing in gynaecological cancers; walking the tight rope", 23rd Annual International Conference - "RGCON 2025, 22 March 2025, Delhi
16. Panelist in Endometrial cancer genetics case-based discussion, FOGSI Gynaecologic Oncology Committee CME on Integrating Genetics in Women cancer care, 29 March 2025, Delhi

Nilanchali Singh

1. Invasive mole, 13th Webinar of National Society Study of Trophoblastic Disease in India, 8 March 2025,
2. Self-Collection for HPV testing: Challenges and Limitations, Deep Dive into Approaches Towards Cervical Cancer Screening-Understanding the Barriers and Opportunities, 04 February 2025,
3. Hereditary Gynaecological Cancers, Evidence to Excellence: Mastering the Art of Obstetric Decision-Making, 1 March 2025,
4. Case based management of screen positives, Fogsi North Zonal Conference with Yuva, 2025, 21 February 2025,
5. Colposcopy & Treatment of CIN, AOGD Oncology Committee- Colposcopy Workshop Module 2024-2025, 25 July 2024,
6. Shielding Future: Safeguarding Adolescent against Rising Cancer, Adolescent Health Committee, FOGSI & AOGD, 2 May 2024,
7. Cancer Prevention in Young women, AOGD Cervical & Breast Cancer Prevention Committee, 29 April 2024,
8. Cervical Cancer Screening and HPV Vaccination, Moradabad Obs and Gyne Society, 3 July 2024,

Anju Singh

1. Clinical Interpretation of VIA, Workshop for ANMs and PHNs on Strengthening Primary Care for Cervical Cancer Prevention, 23 January 2025, New Delhi, India
2. Pathogenesis of Cervical cancer with special reference to HPV Infection, WHO-CC Workshop for Maldives and Srilanka Delegates, 19-24 August 2024, AIIMS, New Delhi, India
3. Single Visit Approach, WHO-CC Workshop for Maldives and Srilanka Delegates, 19-24 August 2024, AIIMS, New Delhi, India
4. Screening and Treatment Protocol for uniform against resource based (Debate Speaker), ISCCPCON-2024, 13-14 April 2024, Raipur, India
5. Cervical Cancer Screenig- Detect The Detectable, Webinar on Practical Tips in Obstetrics and Gynaecology, 23 August 2024, Webinar, New Delhi, India

6. As Panelist Prevent the preventable and detect the detectable, AOGD 2024, 22-24 November 2024, New Delhi, India
7. As Moderator Demystifying Vulval Conditions, NZYF 2025, 22-23 February 2025, New Delhi, India

Aarthi S Jayraj

1. Management of locally advanced and metastatic cervical cancer (Moderator), IGCS Fellowship program, 11 April 2023, Kenyatta National Hospital and university of Nairobi (Virtual)
2. Endometrial Cancer Master Session: Changing the Landscape (Part II)", 2024 Annual Global Meeting (IGCS 2024), 16-18 October 2024, Dublin, Ireland

Total number of lectures delivered

Name of faculty	2023–2024	2024–2025
Neena Malhotra	21	11
Seema Singhal	12	10
Jyoti Meena	13	16
Rajesh Kumari	2	2
Nilanchali Singh	12	8
Anju Singh	6	7
Aarthi S Jayraj	NA	2
Arnika Kashyap	NA	0

List of oral papers/posters presented

1. Singhal S*, Chaturvedi P, Ganguly A, Jayraj A, Sehra D, Meena J, Singh N, Singh A, Mathur S, Malhotra N, Role of HE4 as a biomarker for diagnostics and prognostics in endometrial cancer, IGCS 2024, 16-18 October 2024, Dublin (UK)
2. Kapoor S, Goel R, Dhamija E, Manchanda S, Malhotra N, Singhal S*, "Implications of revised Ovarian-Adnexal reporting and data system (V2022) for evaluation of adnexal masses", IGCS 2024, 16-18 October 2024, Dublin (UK)1
3. Namrata Das, Surendra Kumar Saini, D N Sharma, Karun Kamboj, Sachin Khurana, S A Shamim, Raja Pramanik, Dhanabalan Rajasekaran, Babita Kataria, Danda Vamsi Sai Praveen, Swayamjeet Sathapathy, Seema Singhal*, PO967: Bone marrow sparing extended field CRT with NACT in Stage IIIC2 carcinoma cervix: a phase II study, ESTRO Congress 2024, 3-7 May 2024, Glasgow UK
4. Shadang M, Singhal S*, Mathur S, Mir RA, Interaction of high-risk HPV E7oncoprotein with P1H1D1 component of R2TP complex is important for its stability and cycle progression of cervical cancer, CNIO, 4 October 2024, Madrid (Spain)
5. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meenal, Anju Singh, Neerja Bhatla, The Indian Perspective on Germline Mutations in Ovarian Cancer and the Promise of Cascade Testing (GO-IMPACT STUDY), ESGO 2025, 20-23 February Italy
6. Suvidya Singh, Seema Singhal*, Neena Malhotra, Raja Pramanik, Jyoti Meena, Nilanchali Singh, Anju Singh, Comparison of the Impact of Telegenetics and in-person Genetic Counselling on Patient Satisfaction and Acceptance of Genetic Testing in women with Epithelial Ovarian Cancer, IGCS 2024, 16-18 October 2024, Dublin (UK)
7. Suvidya Singh, Sachin Khurana, Sandeep Mathur, D N Sharma, Ekta Dhamija, Neena Malhotra, Seema Singhal*, Rare Cervical Sarcomas: A Case Series, 22nd Annual Conference of the Women's Cancer Initiative- Tata Memorial Hospital, 25-27 October 2024, Mumbai
8. Shaloo Priya, Jyoti Meena, Soumi Banerjee, Pranay Tanwar, Rajesh Kumari, Seema Singhal, Anju Singh, Sandeep R. Mathur, Neena Malhotra, Role of high-risk HPV viral load in prediction and diagnosis of cervical lesions, AOGIN India 2024, 3-5 October 2024, Puducherry
9. Baishali Roy, Raja Pramanik, Prabhaat Malik, Seema Singhal, Jyoti Meena, Ray, Babul Bansal, Sandeep Mathur, Sachin Khurana, Homologous Recombination Deficiency in carcinoma ovary- analysis of real-world data, ICGCW 2025, 7th Indian Cancer Genetics Conference and Workshop -TMH and ACTREC, Mumbai, 22-23 February 2025, Mumbai 2

10. Baishali Roy, Anju Singh, Ekta Dhamija, Seema Singhal, Jyoti Meena, Rajesh Kumari, Nilanchali Singh, Sachin Khurana, JB Sharma, Neena Malhotra, Correlation Between Computed Tomography-Peritoneal Carcinomatosis Index (CT-PCI) and Intraoperative PCI in the Surgical Management of Ovarian Carcinoma, AGOICON 2024, 6-8 December 2024,
11. Meenal Bhati, Seema Singhal*, Rajesh Kumari, Jyoti Meena, Nilanchali Singh, Anju Singh, Neena Malhotra, Patterns of Emergency Care in Gynecologic Oncology at a Tertiary Care Center: Lessons Learned, AGOICON 2024, 6-8 December 2024, Kochi (Kerela)
12. Shivangi Mangal, Nilanchali Singh, Sarita Singh, Rizwana Quereshi, Jyoti Meena, D.N. Sharma, Himakshi Garg, Seema Singhal, Rajesh Kumari, Anju Singh, Neena Malhotra, Female sexual dysfunction among Gynaecological Cancer Survivors and its correlation with Neurotrophic biomarkers, ESGO 2025, 20-23 February 2024, Rome
13. Jyoti Meena, Suday Halder, Shaloo Priya, Seema Singhal, Rajesh Kumari, Sachin Khurana, Sandeep Mathur, Neena Malhotra, Role of Neutrophil-to-Lymphocyte Ratio (NLR) and Platelet-to-Lymphocyte Ratio (PLR) to Predict Histopathological Response in Advanced Stage High Grade Serous Epithelial Ovarian Cancer, Featured Poster presentation at ASGO 2024, 30 November 2024, Bali
14. Arora B, Kumari S, Rathore R, Kamboj K, Kataria B, Mathur S, Bhatla N, A case of Cervical Sarcoma – Young Age, Surgical Challenges, Rare Subtype and Adjuvant Dilemmas, 12th National Conference of Asia Oceania Research Organisation on Genital Infections and Neoplasia (AOGIN) India, 15-17 September 2024, Rishikesh, India 3
15. Halder S, Mathur S, Sood R, Khurana S, Sharma DN, Singh A, Malhotra N, Singhal S*, Gastric-Type Adenocarcinoma Of Cervix: Myriads Of Clinical Presentations and Management Strategies, 22nd Annual Conference of the Women's Cancer Initiative - Tata Memorial Hospital (WCI TMH), 2024, 25-27 October 2024, Mumbai, India4
16. Singh S, Khurana S, Mathur S, Sharma DN, Dhamija E, Malhotra N, Singhal S*, Rare Cervical Sarcomas: A Case Series, 22nd Annual Conference of the Women's Cancer Initiative - Tata Memorial Hospital (WCI TMH), 2024, 25-27 October 2024, Mumbai, India
17. Satija T, Malhotra N, Kumari N, Meena J, Singh A, Singh N, Arora B, Sehra D, Singhal S*, Synchronous Primary Malignancy of Cervix and Endometrium, AOGIN India, 4 October 2024, Pondicherry, India
18. Satija T, Singhal S*````, Singh N, Kumari R, Meena J, Singh A, Batra A, Khurana S, Sharma DN, Mathur S, Malhotra N, Uterine Neoplasms in Breast Cancer Survivors in Relation to Tamoxifen Treatment, 26th European Society of Gynaecologic Oncology Congress (ESGO 2025), 20-23 February 2025, Rome, Italy
19. Carolin Solomi, Rajesh Kumari, Jyoti Meena, Sandeep Mathur, Vatsla Dadhwal, Neerja Bhatla, Concealed & Concurrent Gynecologic Malignancies: "Unusual Presentations and Diagnostic Challenges, AOGIN India, September 2023, AIIMS, Rishikesh
20. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, Genetic Threads of Hope: Unraveling Germline Mutations in Ovarian Cancer and their Impact on Clinical Outcomes in India, 6 th Indian Cancer Genetics Conference and workshop, February 2024, TMC, Mumbai
21. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, Genetic Threads of Hope: Unraveling Germline Mutations in Ovarian Cancer and their Impact on Clinical Outcomes and empowering Ovarian Cancer Defense with Cascade Genetic Testing- Indian Perspective, The 12th International Clinical Cancer genetics and genomics conference, April 2024, Chicago, USA5
22. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, Genetic Threads of Hope: Unraveling Germline Mutations in Ovarian Cancer and their Impact on Clinical Outcomes and empowering Ovarian Cancer Defense with Cascade Genetic Testing- Indian Perspective, ISMPO-CON 2024, October 2024, Delhi, India
23. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, Genetic Threads of Hope: Unraveling Germline Mutations in Ovarian Cancer and their Impact on Clinical Outcomes and empowering Ovarian Cancer Defense with Cascade Genetic Testing- Indian Perspective, AOGD 2024, November 2024, Delhi, India6
24. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, From Genes to Outcomes: The Indian Perspective on Germline Mutations in Ovarian Cancer and the Promise of CAsCade Testing (GO-IMPACT study), AGOI 2024, December 2024, Kochi, India
25. Carolin Solomi.V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, From Genes to Outcomes: The Indian Perspective on Germline Mutations in Ovarian Cancer and the Promise of CAsCade Testing (GO-IMPACT study), AIIMS Institute Research Day 2024, January 2025, Delhi

26. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, From Genes to Outcomes: The Indian Perspective on Germline Mutations in Ovarian Cancer and the Promise of CAsCade Testing (GO-IMPACT study), ESGO 2025, February 2025, Rome, Italy7
27. Carolin Solomi. V, Rajesh Kumari, Raja Pramanik, Seema Singhal, Jyoti Meena, Anju Singh, Neerja Bhatla, HOPE Initiative India: Harnessing Ovarian cancer Prevention by Education through Family Cascade Testing in Indian Families at Risk, ESGO 2025, February 2025, Rome, Italy7
28. Nilanchali Singh, Cervical cancer screening in urban slum community by HPV self-sampling-The Lessons Learnt, 36th International Papilloma Virus Conference, 14 November 2024, Edenburgh, UK
29. Anju Singh, Preethikka RM, Garima Kachhawa, Seema Singhal, Jyoti Meena, Rajesh Kumari, Nilanchali Singh, J B Sharma, Neena Malhotra, Assessing Menopausal symptoms among Cervical Cancer Survivors: Unmet need of Cancer Care (Oral Presentation), 13th AOGIN-India National Conference, 4-5 October 2024, JIPMER, Pondicherry, India
30. Anju Singh, Preethika RM, Garima Kachhawa, Seema Singhal, Jyoti Meena, Rajesh Kumari, Nilanchali Singh, J B Sharma, Rajesh Khadgawat, Neena Malhotra, Addressing Menopausal Problems among Endometrial Cancer Survivors: Unmet need of Cancer Care (E-poster), 67th All India Congress of Obstetrics & Gynaecology, 8-12 January 2025, Mumbai, India.
31. Preethikka r m, Anju Singh, Garima kachhawa, Seema singhal, Jyoti Meena, Rajesh kumari, Nilanchali singh, Rajesh khadgawat, J B Sharma, Neena malhotra, Assessing Menopausal symptoms among Cervical Cancer Survivors, 67th All India Congress of Obstetrics & Gynaecology, 8-12 January 2025, Mumbai, India
32. Preethikka R M, Anju Singh, Garima Kachhawa, Seema Singhal, Jyoti Meena, Rajesh Kumari, Nilanchali Singh, Rajesh Khadgawat, J B Sharma, Neena Malhotra, Shedding light on bone health and menopausal symptoms in ovarian cancer survivors, AOGD 2024, 22-24 November 2024, New Delhi, India
33. Preethikka R M, Anju Singh, Garima Kachhawa, Seema Singhal, Jyoti Meena, Rajesh Kumari, Rajesh Khadgawat, J B Sharma, Bone density battles- The dual Challenges of ovarian cancer and its treatment, ISBH 2025, 9 November 2024, New Delhi, India
34. Jayraj AS, Chakraborty D, Kar B, Karar M, Mukhopadhyay A, MukhopadhyayA, Retrospective Validation of Phenotypic Prediction Score in Epithelial Ovarian Cancer for Prediction of Homologous Recombination Proficiency in an Indian Cohort: PROVAT1 Study, IGCS 2024 Annual Global Meeting, 16-18 October 2024, Dublin, Ireland
35. Jayraj AS, Singh S, Halder S, Kapoor S, Singh N, Gupta B, Singhal S. - to be presented in IGCS 2024 Annual Global Meeting in Dublin, Ireland on 16-18 October 2024, Evaluating the Role of Advocacy in Cervical Cancer: A Systematic Review of strategies, experiences and outcomes, IGCS 2024 Annual Global Meeting, 16-18 October 2024, Dublin, Ireland
36. Jayraj AS, Abdul-Aziz S, Homer A, Rajanbabu A, Impact of Obesity on Sentinel Node Detection in Patients with Endometrial Cancer treated with a Robotic Approach, RoboGynIndia 2024 conference, 10-11 August 2024, Gurugram, India8
37. Kashyap A, Pandey S, Modi K. B, A Prospective Analysis Assessing Accuracy of CECT in Estimation of Peritoneal Carcinomatosis Index (PCI) Score and its Correlation with Intraoperative Findings in Ovarian Cancer, 46 Annual Conference of AOGD 2024, 22-24 November 2024, New Delhi, India

[1] IGCS Early Career Network grant (travel and registration for oral presentation)

[2] Second position in the poster and oral presentations

[3] Second prize in Poster presentation

[4] Awarded First Runner-up

[5] Received full Scholarship (travel + accomodation) to attend the conference since the abstract was selected for oral presentation

[6] Dr. UP Jha; Dewan Balakran award -Best paper award in Gynaecologic Oncology -AOGD 2024

[7] AIIMS endowment travel grant

[8] Won the Association of Gynecological Robotic Surgeons (AGRS) Champions Awards

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	25	30	37

RESEARCH

Ongoing

1. Ovarian tissue cryopreservation for fertility p[reservation in young cancer survivors - Comparison of slow freezing and vitrification, Professor Neena Malhotra, ICMR, 4 years, 2020-2025, Rs 87.70 Lakhs
2. Role of Autologous Stem Cells and Platelet rich plasma therapy for regenerating endometrium in women with Asherman's syndrome and atrophic endometrium – A Pilot study, Professor Neena Malhotra, Funded by ICMR, 3 years, 2023-2026, Rs 102 Lakhs
3. Augmented intelligent clinical support systems to aid decision-making for pregnancy outcomes after In-Vitro Fertilisation of Intracytoplasmic sperm injection under my supervision in the Deptt. Obstetrics & Gynaecology, Professor Neena Malhotra, ICMR, 3 years, 2025-2028, Rs 1 crore-20 Lakhs
4. Diagnostic and prognostic value of cell free DNA (cfDNA) in Epithelial ovarian cancer – A cohort study, Seema Singhal, ICMR (under the India Cancer Research Consortium grant), 3 years, 2023-2026, Rs 98.77 Lakhs
5. Evaluation of self-collection with an indigenous device and Point of Care HPV test for cervical cancer screening (Self-Care Cervix study), Seema Singhal, ICMR, 3 years, 2023-2026, Rs 109.78 Lakhs
6. Development of pilot testing of systematic strategy using mobile based application and self collected samples for cervical screening in female sex workers, Seema Singhal, Interdisciplinary Collaborative Intramural Research Project, 2 years, 2024-2026, Rs 9.90 Lakhs
7. To evaluate the role of urinary HPV DNA test for cervical cancer screening using INNO-LiPA genotyping: a pilot study, Dr. Jyoti Meena, Interdisciplinary Collaborative Intramural Research Project, 2 years, 2024-2026, Rs 10 Lakhs
8. A phase-iv single-arm, multicentric, study to assess the safety of SIIPL's QHPV vaccine (cervavac®) when administered in a two-dose schedule to girls and boys aged 9-14 years and in a three-dose schedule to women and men aged 15-26 years, Dr. Jyoti Meena, Serum Institute of India Ltd, 1 year, 2024-2025, Rs 10 Lakhs
9. Comparing of PCR based E6/E7 Oncogene detection in cervical cytology and cervical tissue specimen with histopathology in HPV-Positive women, Dr. Jyoti Meena, Institute Financial thesis grant, 1 year, 2024-2025, Rs 2 Lakhs
10. Counseling of Clients for HPV Self Sampling by ASHAs (Accredited Social Health Activists) and by Physicians: A Randomized, Open-Labelled, Non-inferiority Trial (ASHA-CHAPTER Trial), Science Education and Board Research (SERB), Dr Nilanchali Singh, SERB, 2 years, 2023-2025, Rs 19.86 Lakhs
11. Immunological Landscapes in Persistent HPV Infection in India, Dr Nilanchali Singh, The Bill and Melinda Gates Foundation, 2 years, 2024-2026, $154, 000 USD
12. Role of Vaginal Estrogen Cream in Management of Sexual Dysfunction in Cervical Cancer Survivors: A Randomized Double-blinded Placebo-Controlled Trial (ESTRO-CERVA Study), Dr Nilanchali Singh, AIIMS Early Career Intramural Project, 2 years, 2025-2026, Rs 5 Lakhs
13. Effectiveness and safety of 2 vs 3 doses of HPV vaccine in preventing cervical cancer: An Indian multi-center randomised trial, Dr Anju Singh, IARC-WHO, Rs 46.53 Lakhs
14. A Phase-II/III, Partially Double-blind, Randomized, Active-controlled, Multicentric Study to Assess the Immunogenicity and Safety of SIIPL's qHPV Vaccine Administered Intramuscularly in Healthy Volunteers According to a Two-dose Schedule to Cohort 1 (Girls and Boys Aged 9-14 years) and a Three-dose Schedule to Cohort 2 (Women and Men Aged 15-26 years) as Compared to Merck's HPV6 November 16/18 vaccine (Gardasil®), Dr Anju Singh, DiagnoSearch Science Pvt LTD, Rs 3.47 Lakhs

Completed

1. Validation study of indigenous HPV tests for cervical cancer screening (i-HPV)", Neerja Bhatla/ Seema Singhal, BIRAC, 2 years, 2023-2025, Rs 71.15 Lakhs
2. App-Based Intervention for improving cancer knowledge among Gynaecological cancer patients- GYN-CANCER App (AIIMS UG Research Grant), Dr Seema Singhal, AIIMS (UG research grant), 1 year, 2022-2024, Rs 2 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Correlation of CA 125 KELIM (ELIMination rate constant K) and chemotherapy response score (CRS) score in patients with High grade serous epithelial ovarian cancer undergoing interval cytoreductive surgery.
2. Multiparametric evaluation of bone health in women with premature ovarian insufficiency: A prospective cross sectional study
3. Sub-endometrial instillation of Platelet Rich Plasma in women with thin endometrium undergoing In-vitro Fertilization cycles-A feasibility study
4. To compare slow freezing and vitrification techniques in ovarian tissue cryopreservation for fertility preservation in cancer survivors.
5. An open labelled, three armed, randomised, placebo controlled trial to study the effect of intra-ovarian platelet – rich plasma versus autologous adult bone marrow-derived stem cell instillation in poor ovarian responders.
6. Comparison of the impact of tele genetics and in-person genetic counselling on patient satisfaction and acceptance of genetic testing in women with Epithelial Ovarian Cancer
7. Fluorescence guided surgery using Near-infrared (NIR) imaging for detection of peritoneal metastases in patients undergoing cytoreductive surgery in epithelial ovarian cancer-A feasibility study
8. Low dose Oral Metronomic Cyclophosphamide and Etoposide combination in Recurrent/Refractory High Grade Endometrial Cancer, a Single Arm Phase 2 Study (DM Medical Oncology)
9. Palbociclib and Anastrozole for patients with Estrogen receptor positive recurrent of metastatic endometrial cancers: A single arm phase 2 study (DM Medical Oncology)
10. Correlation of Neutrophil Lymphocyte Ratio and Platelet Lymphocyte Ratio with Chemotherapy response Score (CRS) in Patient of Advanced Stage Epithelial Ovarian Cancer
11. To assess the impact of menopausal symptoms and coping strategies on quality of life among postmenopausal women
12. Role of pre-treatment controlling nutritional status (CONUT) score and fibrinogen albumin (FA) score in prediction of surgical outcomes and postoperative complications rate in women with epithelial ovarian cancer undergoing cytoreductive surgery.
13. Comparison of PCR based E6/E7 Oncogene detection in cervical cytology and cervical tissue specimen with histopathology in HPV-positive women
14. Impact of Mindfulness Meditation on Neurocognitive Functions in Gynaecological Cancer Survivors: A Randomized Controlled Trial.
15. Venlafaxine versus Placebo for treatment of Vasomotor symptoms in Gynecological Cancer survivors: A Double-blind, Randomized, Placebo-controlled Trial
16. Correlation of paired urinary HPV DNA and provider sampled cervical HPV DNA for cervical cancer screening in pregnant women
17. Exploring the role of cervical metagenomics in acquiring HPV infection, its persistence and its association with cervical precancerous
18. Apixaban in Prevention of Venous Thromboembolism in Advanced Epithelial Ovarian Cancer Receiving Neoadjuvant Chemotherapy: A Randomized Controlled Open-Label Clinical Trial
19. Frailty assessed with G8 questionnaire and FRAIL scale as a predictor of postoperative complications in elderly women with gynaecological malignancies
20. Evaluation of bone-health and menopausal symptoms in gynaecological cancer-survivors
21. Assessment of Cognitive function among Indian women with ovarian, primary peritoneal and fallopian tube cancer: A Pilot Study
22. Impact of Yoga on Quality of Life among Epithelial Ovarian Cancer Survivors: A Pilot Study
23. Correlation between Computed Tomography- Peritoneal Carcinomatosis Index (CT-PCI) and Intraoperative PCI in the surgical management of Ovarian Carcinoma

Completed

1. Sub-endometrial instillation of Platelet Rich Plasma in women with thin endometrium undergoing In-vitro Fertilization cycles-A feasibility study

2. MD-Role of 3-Dimensional cinematic rendering of CT imaging for pre-operative evaluation of disease extent in Epithelial Ovarian Cancer
3. Evaluation of 18F-FDG PET-specific quantitative tumour parameters and sentinel lymph node mapping by radionuclide injection of Tc -99m Sulphur colloid in the management of endometrial cancer
4. A pilot study to evaluate the role of POTE E gene and machine learning as preoperative diagnostic and prognostic prediction tool for epithelial ovarian cancer
5. Correlation of Serum Visfatin, adiponectin and tissue expression of pyruvate kinase M2 with prognostic factors in Carcinoma endometrium
6. Correlation of Haematological parameters with Chemotherapy response Score (CRS) in Patient of Advanced Stage Epithelial Ovarian Cancer
7. Nutritional assessment of Indian women with gynaecological cancers using GLIM criteria and impact of focused prehabilitation protocol on nutrition and perioperative outcomes in women undergoing interval debulking surgery
8. Clinical outcome and biological characteristics of ovarian cancer patients with positive germline mutations in hereditary ovarian cancer predisposing genes and acceptance of cascade testing in Indian women

Collaborative projects

Ongoing

1. Bone marrow sparing extended field CRT with ddNACT in stage IIIC2 carcinoma cervix: A phase 2 study, Radiation Oncology
2. A Randomised, Double-blind, Placebo-controlled, Phase III Study of Olaparib Maintenance Monotherapy in Participants with BRCA Wild Type Advanced (FIGO Stage III-IV) High Grade Serous or Endometrioid Ovarian Cancer Following Response to Standard First-line Platinum-based Chemotherapy (MONO-OLA1) (Collaborative research with Medical Oncology), Medical Oncology
3. Hypo-fractionated radiotherapy in cervical cancer A non-inferiority randomized controlled trial (Collaborative research with Radiation Oncology), Radiation Oncology
4. Implementation Research to Enhance Screening, Early Diagnosis and Initiation of Treatment for Oral, Breast and Cervical cancer in Selected Districts of India. (Collaborative research with Preventive Oncology), Preventive Oncology
5. A Phase 3, Double-Blind, Placebo-Controlled, Multicenter Clinical Study comparing Chemo-Immunotherapy (Paclitaxel-Carboplatin-Oregovomab) versus Chemotherapy (Paclitaxel-Carboplatin-Placebo) in Patients with Advanced Epithelial Ovarian, Fallopian Tube or Peritoneal Carcinoma" (FLORA-5) (Collaborative research with Medical Oncology), Medical Oncology
6. To investigate metabolic perturbations in Endometrial Cancer by targeted transcriptomics approach in Indian cohort, Pathology
7. Establishing a registry for breast and ovarian cancan with mutations in hereditary cancer predisposition genes and a germline DNA repository at AIIMS, New Delhi, Medical Oncology
8. Exploring the genomic footprints and their connotations in vulvar squamous cell carcinoma, Pathology
9. Cisplatin-encapsulated HPV virion-based targeted delivery vehicle validation on cervicotomy samples using high-resolution cryo-electron tomography, Anatomy
10. External delivery of Cisplatin using HPV based nanocarriers for treatment of cervical cancer, Anatomy
11. A comparative study to evaluate the HPV 16/18 testing with the NeuMoDx™ System(s) and Hybrid capture HC2, Lab Oncology IRCH
12. Development of a transvaginal probe-based dermatoscope with automated AI-enabled decision support for detection of cancers and infections, Dermatology Indian Institute of Information Technology, Design and Manufacturing Kancheepuram
13. A Phase-IV, single-arm, multicentric study to assess the safety of SIIPL's qHPV vaccine (CERVAVAC®) when administered in a two-dose schedule to girls and boys aged 9-14 years and in a three-dose schedule to women and men aged 15-26 years, Serum Institute of India Pvt Ltd, Pune
14. Cancer Awareness and Referral Engagement (CARE) program for medical officers/ Specialists in selected district hospital of Haryana, Pfizer, India

15. Effects of circadian rhythm and urinary melatonin levels in the carcinogenesis of endometrial carcinoma, UG Mentorship AIIMS Intramural Grant

Completed

1. Augmenting Cervical Cancer Elimination Effectively in a Region utilizing Affordable TEchnology (ACCELERATE) to enhance cervical cancer screening services for achieving WHO Target goals in the North-East Region of India, A FOGSI-FIGO grant for Rs 2 Lakhs (completed)

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	12	10	22
Total funding	30000000	26538261	75479872

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**37**	**41**	49
Journal articles	28	31	33
Abstracts	6	7	9
Chapters in books	3	3	6
Books	0	0	1

PATIENT CARE

Patient care *(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024–2025
OPD consultations	2397	3143	2773
Special clinic consultations (Onco-fertility)	-	12	33
Total inpatient admissions	338	411	347

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Aarthi S Jayraj Early Career Workshop session (Co-Chair) 2024 Annual Global Meeting (IGCS 2024) 16-18 October 2024 Dublin, Ireland; Top 5 reviewer JCO Global Oncology 31 January 2024 An American Society of Clinical Oncology (ASCO) journal; Junior Faculty Mentor International Gynecologic Cancer Society (IGCS) 2024-2025 (term of 2 years) IGCS; Social Media Editor International Journal of Gynecologic Cancer (IJGC) Since 2023 Official journal of IGCS and ESGO; Associate Editor for Current Problems in Cancer 2024 Current Problems in Cancer; Social Media Committee Member European Network of Young Gynae Oncologists (ENYGO) 2024 Part of ESGO; Executive Board Member for Pan-Arabian Research Society of Gynecological Oncology (PARSGO) 2024 PARSGO

LABORATORY ONCOLOGY, NCI-AIIMS

FACULTY AND STAFF

Officer In-charge

Prof Ritu Gupta

Assistant Professor

(Contractual)

Tanima Dwivedi

HIGHLIGHTS

The Laboratory Oncology at NCI-AIIMS collaborates with the Laboratory Oncology Unit at Dr. BRAIRCH to deliver Hemato-Oncopathology services to patients. Within NCI, they have pioneered India's first fully automated laboratory in the government sector, the "Robotic Core Clinical Laboratory". In the past year alone, this facility has conducted a total of

6783679 diagnostic tests. The Robotic Core Clinical Laboratory represents a cutting-edge advancement, providing seamless, round-the-clock services designed to minimize turnaround times and deliver accurate, high-quality digital reports to patients. This innovative approach significantly enhances the standard of patient care by harnessing state-of-the-art automation and precision technology.

Publications

Item	2022–2023	2023–2024	2024-2025
Total	06	05	01
Journal articles	06	05	01
Abstracts	0	0	0
Chapters in books	0	0	0
Books	0	0	0

DEPARTMENT OF MEDICAL ONCOLOGY

FACULTY AND STAFF

Professor and Head

Sameer Bakhshi

Associate Professor

Akash Kumar

Assistant Professors

Aparna Sharma

Babita Kataria

HIGHLIGHTS

1. BIOSTATISTICS WORKSHOP – In collaboration with Kolkata Gynae-oncology Trials and Translational Research Group (KolgoTrG), NCI-AIIMS organized a 3-day intensive biostatistics workshop for clinicians on 08-10 November 2024. Delegates from various Institute of National Importance(INIs) attended the workshop. International faculty members – Dr. Atanu Bhattarjee (Professor, biostatistics, University of Dundee and Dr. KelleyM. Kidwell from the University of Michigan took lectures on various biostatistics principles. Faculty members from IRCH and NCI also mentored the sessions throughout the workshop.
2. BRAINSTORMING SESSION with KolgoTrG and Gynecologic Cancer Inter Group (GCIG) in Gynae-Oncology: We arranged a brainstorming session for clinical trials in Gynae-oncology on 5 December 2024 under the mentorship of Dr. Michael Bookman – Chair, GCIG and Dr. Mary Eiken, CEO- International Gynecologic Cancer Society (IGCS) - faculty from NCI, IRCH and KolGoTrG presented their research proposals for feedback from the international faculty. Pragmatic clinical trial designs and the feasibility of expanding future trials from AIIMS and KolGoTrG as multi-centric IGCS and The Cervix Cancer Research Network (CCRN) studies were discussed.
3. WORKSHOP for NCI and IRCH Nurses: 5 Nursing officers each from NCI and IRCH participated in the workshop where they were trained for Nurse-led Genetic counseling. NCI hosted the workshop on 5 December 2025 in collaboration with the KolgoTrG team.
4. Department of Medical oncology Dr. B.R.A IRCH amd NCI AIIMS organized the first Multidisciplinary AIIMS Uro-Oncology Update. 23 and 24 November 2024. It included International and National faculty in the field of Genitourinary Oncology.

EDUCATION

Akash Kumar

1. Care of a Geriatric Hematolymphoid malignancy patient, 51st ICON, 30 November 2024, Mumbai

Total number of lectures delivered

Name of faculty	2021–2022	2022–2023	2023–2024

Akash Kumar		-	1

Lectures delivered at CMEs, National and International conferences

1. Antibody Drug Conjugates Topic; "Toxicities of Interest" Speaker, World Congress of Lung Cancer, 10 September 2024, San Diego USA
2. Genomics for Oncologists Workshop: Speaker, World Congress of Lung Cancer, 8 September 2024, San Diego USA
3. Lung cancer: prevention, early detection, treatment modalities, challenges and future scopes of collaborative research' Talk, Workshop for PhD students and Faculty members at CIO (Centre for Integrative Oncology), 1 August 2024, All India Institute of Ayurveda(AIIA), New Delhi, AIIA
4. Role of Tumor Board and Multi disciplinary Team In management of Advanced/ Metastatic NSCLC: Panel Discussion Panel Moderator, NALCCON 2024, 5 October 2024, AIIMS Rishikesh
5. Mediastinal GCT: A Houdini's act Speaker, AIIMS Uro- Oncology Updates, 24 November 2024, AIIMS, New Delhi
6. "Surgical aspects in advanced RCC - CRN, Oligometastatic RCC: Evolving practice" Panelist, AIIMS Uro-Oncology Updates, 24 November 2024, AIIMS, New Delhi
7. Decoding NGS: From therapeutic to Reporting Panelist, Oncology Updates 2024, 27 April 2024, RGCI Delhi

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Aparna Sharma	-	4	5

List of oral papers/posters presented; 2

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	-	-	2

Babita Kataria

1. **Nursing students** – Took lecture on "Skin cancer " for MSc (Oncology) Nursing students.
2. **Postgraduate** – Delivered faculty lecture on
   a). Evolution of Oncofertility
   b). Mentored D.M. resident Dr. Navin Bhati for journal club presentation at IRCH and NCI

Lectures delivered at CMEs, National and International conferences

Babita Kataria

1. Invited lecture, Cancer Genetics: Basics and Pedigree drawing, Oncology Updates 2024, 28 April 2024, New Delhi
2. Invited Lecture, Newer drugs in Desmoid: Challenges for us, Desmoid scientific symposium, 14 July 2024, AIIMS, New Delhi
3. Didactic session, Recurrent cervical cancer, IGCS -India ECHO, Project ECHO, 23 August 2024, Online
4. Didactic session, Low-Grade Serous Cancer, IGCS -India ECHO, Project ECHO, 13 February 2025, Online
5. Didactic session, Recurrent Ovarian cancer in low-resource settings, IGCS -India ECHO, Project ECHO, 26 July 2024, Online
6. Panelist, Molecular testing and Gynecological Cancer – Endometrial Carcinoma, 6th Annual conference of Oncology Forum, 03 December 2023, New Delhi, India
7. Panelist, Molecular Tumor Board- Hereditary cancer syndrome, Molecular Tumor Board and Lung Masterclass, 29 November 2024, New Delhi
8. Panelist, Geriatric Oncology Models of Care- Implementation, Challenges, and the Roadmap ahead for collaboration, Geriatric Oncology Workshop, 20 December 2024, Mumbai
9. Chairperson, Session on Gyne-Oncology, Annual Conference of Oncology Forum (OFCON 2025), 19 January 2025, New Delhi

10. Panelist, Brainstorming on Toxicity of IO agents- Prediction, Identification, and Treatment, Breathing Brilliance-Symposium by Rajiv Gandhi Cancer Institute and Research Centre, 22 March 2025, New Delhi
11. Panelist, Case-based discussion: Endometrial cancer, FOGSI and AOGD committee meeting: Integrating Genetics in Women's Cancer Care, 29 March 2025, New Delhi

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Babita Kataria	01	01	05

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2021–2022
Oral/poster	01	01	0

RESEARCH

Akash Kumar

Grants Ongoing

1. "Improving survival in childhood -Acute Lymphoblastic Leukemia in India (IS-CALL): ICICLE implementation study", Akash Kumar, ICMR, 3 years, 2023-2026, Rs 55 lacs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Phase 2 Open label Randomised Controlled Trial Comparing Modified TPF with Docetaxel-Platinum Regimen as Neoadjuvant Chemotherapy in Locally Advanced Resectable Oral Cavity Cancer (NeoORAL study)

Completed

1. Olanzapine versus fosaprepitant for prevention of chemotherapy induced nausea and vomiting in patients receiving carboplatin (AUC $\geq$ 4) containing chemotherapy regimen: A phase 3 randomized, double-blind, placebo-controlled trial
2. Metformin with neoadjuvant chemotherapy in localized triple negative and HER2neu-positive breast cancer: A prospective phase 2 open label randomised controlled trial (McBETH)

Collaborative projects

Ongoing

1 Designing and implementation of health care model in patients with stage 2breast cancer Radiation Oncology

Aparna Sharma

Ongoing

1. Phosphorylated ALK expression in ALK positive Non small cell lung carcinoma and its impact on survival outcomes", Aparna Sharma, All India Institute of Medical Science Early Career Intramural Research Project 2023-2024, 2 years, 2023-2025, Rs 5 Lakhs
2. Role of celecoxib in reducing cognitive impairment in patients receiving definitive chemoradiation for head and neck carcinoma: A phase II randomized placebo controlled trial, Aparna Sharma, American Society of clinical Oncology, Conquer Cancer Foundation, 1 year, 2024-2024, Rs 16 Lakhs
3. Comprehensive genomic characterization of young onset lung adenocarcinoma in India (YOLA-I study), Aparna Sharma, International Association for study on Lung Cancer (IASLC) /LCFA/ BMS Diparities in Clinical Oncology Research Grant, 2 years, 2024-2026, Rs 180 Lakhs (USD 200000)
4. Multi Institution study by Tata Memorial Hospital Mumbai: Phase 3 randomized study for evaluation of addition of Pembrolizumab to palliative therapy in NSCLC, Site PI: Aparna Sharma, TMH, Mumbai, 2 years, 2024-2026, Rs 19 Lakhs
5. "Metabolic response by FDG PET-CT and its correlation with pathological response and genomic profile in patients of Non-Small Cell Lung Cancer (NSCLC) receiving neoadjuvant chemoimmunotherapy", Aparna

Sharma CO PI: Abhinav Singhal, AIIMS Interdisciplinary Collaborative Intramural Research project, 2 years, 2024-2026, Rs 10 Lakhs

Collaborative projects

Ongoing

1. "Metabolic response by FDG PET-CT and its correlation with pathological response and genomic profile in patients of Non-Small Cell Lung Cancer (NSCLC) receiving neoadjuvant chemoimmunotherapy", Dr. Abhinav Singhal, Department of Nuclear Medicine, NCI Jhajjar

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	0	2	5
Total funding		Rs 21,00,000	Rs 2,21,00,000

Babita Kataria

Funded projects

Ongoing

1. Phase II, multi-arm, randomised non- comparative parallel design trial to test efficacy of consolidation chemotherapy in locally advanced cervical cancer, Dr. Babita Kataria, AIIMS, Delhi, 02 years, 2025-2027, Rs 10 Lakhs
2. A phase II Randomized Controlled Trial to test the impact of two different dose levels of maintenance CAPEcitabine on progression-free survival in patients with persistent/recurrent/metastatic CERVical cancer not progressing on platinum-based chemotherapy (CAPE-CERV), Dr. Babita Kataria, AIIMS, Delhi, 02 years, 2025-2027, Rs 20 Lakhs
3. Role of HPV-ctDNA as prognostic and Predictive Biomarker in Locally advanced cervical cancer, Dr. Babita Katari, Sun Pharma Research Foundation, 02 years, 2025-2027, Rs 12 Lakhs

Completed

1. Olanzapine to improve Quality of life in metastatic solid cancer patients on chemotherapy: A phase II randomised placebo controlled trial, Dr. Babita Kataria, AIIMS Delhi & IASCC (Indian Association of Supportive Care in Cancer), 02 years, 2022-2023, Rs 4 Lakhs All investigations charges exempted.

Research over past 3 years

Research projects	2022–2023	2023–2024	2024- 2025
Total funded projects	01	01	03
Total funding	Rs 4,00,000	Rs 4,00,000	Rs 42,00,000

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**-**	**-**	**5**
Journal articles	-	-	4
Abstracts	-	-	1
Chapters in books	-	-	0
Books	-	-	0

Aparna Sharma

Publications

Item	2022–2023	2023–2024	2024–2025
Total			
Journal articles		11	9
Abstracts		2	5
Chapters in books		1	0

Books		0	0

Publications

Item	2022–2023	2023–2024	2024-2025
Total	**04**	**05**	**12**
Journal articles	02	04	05
Abstracts	02	01	07
Chapters in books	0	0	0
Books	0	0	0

PATIENT CARE

Item	2022–2023	2023–2024	2024-2025
OPD consultations	25597	30808	34850
Day Care admissions	23045	31319	34100
Total inpatient admissions	2259	3070	3294

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Akash Kumar

Lynn Sage Breast Cancer Symposium - Chicago Sister Cities winner – 2025, Chicago (US)

Aparna Sharma International Association for study on Lung Cancer (IASLC) /LCFA/ BMS Diparities in Clinical Oncology Research Grant 2023 for project entitled "**Comprehensive genomic characterization of young onset lung adenocarcinoma in India (YOLA-I study)".** at the WCLC 2024 San Diego

- Term extended as member of the Rare Tumor Committee and Thymic tumor subcommittee of International Association of Study of Lung Cancer (IASLC) for a two-year term beginning 2023
- Recipient of **ASCO IDEA award at ASCO Annual meeting 2024** and proceeded to visit to mentor institution Dana Farber Cancer Institute, Harvard, Boston to the Lank's center of GU oncology 5 June to 8 June 2024

Dr. Babita Kataria ESMO-ICF Clinical Unit Visit Fellowship 2024 – selected as a fellow for the clinical unit visit program of the International Cancer Foundation at the Comprehensive Clinical Trials Unit, University College of London; **Dr. Edward Kennedy Memorial Award** for best oral presentation for abstract "Olanzapine to improve Quality of life in metastatic solid cancer patients on chemotherapy: Phase II randomized placebo-controlled trial" at the 8th World Cancer Congress, New Delhi, India (March 2024); **ESMO Virtual Mentorship Programme 2024-2025 –** selected as one of the mentees for the programme; **Sun Pharma Clinical Research Fellowship 2025 –** Received fellowship award to support research project "Role of HPVctDNA as a prognostic and predictive biomarker in locally advanced cervical cancer; **Young Investigator Travel Grant -** GCIC CCCC-CR, Gynecologic Cancer Inter Group, 1st Cervical Cancer Consensus Conference-Clinical Research. Actively participated in drafting consensus statements and manuscript writing; Participated in brainstorming Session Equity, Diversity, and Inclusion in Clinical Research at the **GCIG Spring Meeting 2024.**

VISITING SCIENTIST

None

Medical Physics, NCI

Professor & Head

Pratik Kumar

Assistant Professors

Avinav Bharati

R K Bisht

C Senthamil Selvan

HIGHLIGHTS

Medical Physics, NCI is currently involved in taking care of quality assurance and regulatory aspect of Diagnostic Radiology equipments at NCI. The radiation safety aspect of diagnostic radiation generating equipments is also being taken care by Medical Physics, NCI. Radiation equipments at AIIMS, outreach OPDs. The department maintains TLD personal monitoring services for all the departments of NCI AIIMS. We are also member/participant of Radiation Safety Committee, NCI AIIMS which coordinates with all the Radiation Safety Officers at NCI for all the radiation safety and awareness activities at NCI. The Medical Physics, NCI also takes care of regulatory and radiation safety aspects of X ray Blood Irradiator at Department of Transfusion Medicine, NCI, AIIMS.

The department was actively involved in NABH accreditation inspection at NCI AIIMS. We are also providing radiation safety and regulatory aspect management at Department of Nuclear Medicine, NCI.

EDUCATION

1. The faculty of Medical Physics at NCI and Dr BRAIRCH provides lecture/takes classes of Medical Physics for
    a. Post Graduate MD program Radiodiagnosis, AIIMS
    b. Post Graduate MD program of Biophysics, AIIMS
    c. Post Graduate MSc program of Biophysics, AIIMS
    d. BSc MTR program of Radiodiagnosis, AIIMS
2. Delivered a seminar lecture on Radiomics in Medical Imaging at Dr BRAIRCH AIIMS
3. The faculty of Medical Physics is also involved in Radiation safety and awareness teaching programs at NCI AIIMS
4. Co guides of Phd thesis titled, 'Study of Biological effects in low level medical imaging ionizing radiation and their relevance to radiation protection."
5. Delivered a seminar lecture at Centre for Medical and Radiation Physics, National Institute of Science Education and Research, Bhubaneshwar.
6. Nominated as an **(Basic Radiation Physics)** Examiner. in college of medical technology, SGPGI, Lucknow
7. Nominated as Subject Matter Expert for Recruitment of Medical Physicist at AIIMS, Rajkot.

CMEs/Workshops/Symposia/National and International Conferences

1. Participated as chairperson at AOCMP and SEACOMP 2024 at Penang, Malaysia from 11 October to 13 October 2024.
2. Participated as chairperson at AMPICON 2024 at Hyderabad, Telangana from 8 November to 10 November 2024.
3. Participated in International Radiobiology Conference on the "Biological Effects of Space Radiation, Heavy Ions & Human Space Missions - Mechanisms & Biomedical Countermeasures" scheduled from February 27th to March 1st, 2025, Delhi
4. Participated as Chairperson & Panel expert at AMPI NC CON from 13 to 14 April 2024 at Delhi.
5. Member of Scientific Committee for organization of annual conference 2025 of Association of Medical Physicist of India, Northern Chapter at Delhi

Lectures delivered at CMEs, National and International conferences

1. Delivered a seminar lecture at Centre for Medical and Radiation Physics, National Institute of Science Education and Research, Bhubaneshwar.
2. Delivered a seminar lecture on Radiomics in Medical Imaging at Dr BRAIRCH AIIMS

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Avinav Bharati	NA	4	6

Publication

Medicine

FACULTY AND STAFF

1. Dr Atindra Narayan, Assistant Professor

HIGHLIGHTS:

- Participated as Faculty in a Public Health Lecture on High Blood Pressure at AIIMS, New Delhi, on the occasion of World Hypertension Day, 24th May 2024. Delivered a talk on the management of hypertension and served as a panelist in a discussion covering various aspects of hypertension, including general awareness, treatment strategies, and associated complications in the Indian population.

EDUCATION:

- Training of nurses and supportive health care staff in OPD and Emergency.

Lectures delivered at CMEs, National and International conferences

Name of faculty member

Atindra Narayan:

1. Invited as a Faculty to deliver a talk on "Treatment of Hypertension" at a Public Lecture and Panel discussion on Hypertension on the occasion of World Hypertension Day, 24 May 2024, AIIMS, New Delhi
2. Panelist in panel discussion on high blood pressure on the occasion of World Hypertension Day, 24 May 2024, AIIMS, New Delhi
3. Invited as a Guest speaker to deliver a talk on "Clinical Presentation & Management- Monkeypox" at a CME "Monkeypox Unmasked: Navigating the New Frontier of Infectious Diseases" on 4 September 2024, Faculty of Medicine & Health Sciences, SGT University, Gurugram

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Atindra Narayan	NA	NA	2

PATIENT CARE

(a) facilities available in the department: OPD, Emergency services, Inpatient referral consultations

(b) community services/camps, etc.: Cancer prevention screening programs in collaboration with Department of Preventive Oncology

Patient care:

Item	2022–2023	2023–2024	2024–2025
OPD consultations	NA	2437	2634

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Atindra Narayan Awarded Fellowsip of International Medical Sciences Academy (FIMSA), New Delhi; Participated in - Cohort Studies – Design, Methods and Analysis" workshop from 5th March 2024 to 2nd April 2024, Organized by Clinical Research Unit, AIIMS, New Delhi; Participated in "REDCap Workshop" held on 09th and 10th April 2024, Organised by Clinical Research Unit, AIIMS, New Delhi; Participated in "Systematic Review and Meta-Analysis" Workshop held on 18th and 19th April 2024, Organised by Clinical Research Unit, AIIMS, New Delhi; Invited Faculty at API Delhi state Chapter Mid term CME -2024 Clinical Knowedge and Practice Update and chaired a session on Managing Venous Thromboembolism- Evidence: 21 July, 2024, New Delhi; Invited Faculty at DIABCON 2024 and Chaired a session on Managing Dyslipidemia in Diabetes Mellitus:27 July 2024, LHMC, New Delhi; Participated in "Grant Writing" Workshop held on 30th and 31st July 2024, Organised by Clinical Research Unit, AIIMS, New Delhi; Participated in Protocol Development for Investigator-Initiated Clinical Trials" held on 30th September to 01 October 2024, Organised by Clinical Research Unit, AIIMS, New Delhi; Paricipated in 49th Comprehensive Course on Echo(Hands on Training, JROP Institute, 17-20 October 2024, New Delhi; Invited Faculty at RSSDI 2024 and Chaired a session on session on Lean vs Obese diabetes:14-17 November 2024, New Delhi; Invited Faculty at APICON 2025 and Chaired sessions on session on Fever with periodicity, Importance of ALT:AST Ratio, Isolated Basophilia, Fallacies OF HbA1c, Case based discussion on miliary shadows on CXR: 23–26 January 2025, Kolkata



Neurology

Assistant Professor

Divyani Garg Jasmine Parihar

HIGHLIGHTS

In the year 2024-25, Neurology services further developed ongoing services in patient care, research, and training. The faculty generated 86 publications, presented 30 posters/oral presentations at various national and international conferences, and formed collaborations with prestigious academic institutes. The faculty won many accolades for the institute and served distinguished roles at national and international forums, committees and editorial boards.

The department served numerous outpatients, and provided liaison services with other services in NCI, Jhajjar. Leading the way in patient care, academics, research, and training, the neurology services set great standard for the country and the world and further bolster the care of persons with cancer.

Lectures delivered: 16 **Divyani Garg: 10**

Jasmine Parihar: 6

Total number of lectures delivered over past 3 years

Name of faculty	2022–2023	2023–2024	2024–2025
Jasmine Parihar	5	13	16

Oral papers/poster presented: 57

Oral/poster presentations over the past 3 years:

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	11	14	57

RESEARCH

Funded projects

Ongoing

1. Clinico-genetic and radiological profile of adolescent and adult-onset leukodystrophies, Dr. Divyani Garg (AIIMS Intramural project, Rs 10,00,000/-)

2. Clinical and molecular characterization and development of induced pluripotent stem cell lines in paroxysmal movement disorders, Dr. Divyani Garg (AIIMS-CSIR-IGIB collaborative project, Rs 20,00,000/-)
3. Pan India Registry for Progressive Supranuclear Palsy (PAIR-PSP), Dr. Divyani Garg (Michael J Fox Foundation, Rs 2,30,64,000/-)
4. Differentially expressed synaptic-activity-associated long non-coding RNAs (IncRNAs) in drug-resistant epilepsy (DRE), Dr. Jasmine Parihar (AIIMS Intramural grant, Rs 10,00,000/-)
5. Exploring the potential of focused ultrasound in the treatment of focal drug-resistant epilepsy- A pilot study. Dr. Jasmine Parihar, Anusandhan National Research Foundation, Rs 31,00,000/-

Departmental projects (including thesis/dissertations)

Ongoing

1. Clinicodemographic and electrophysiological profile of ATT-induced peripheral neuropathy in extraneurological MDR/XDR Tuberculosis
2. Efficacy and safety of sunlight therapy in stroke patients: A randomized controlled trial
3. Spectrum and clinical profile of movement disorders in autoimmune encephalitis
4. Multimodality evoked potentials and electroretinogram in patients with Wilson's disease
5. Electrophysiological evaluation of myoclonus in subacute sclerosing panencephalitis
6. Long-term outcomes in patients with autoimmune encephalitis
7. Factors associated with good neurological outcomes in patients with Wilson's disease: A cross-sectional study
8. Non-motor manifestations in Huntington's disease patients and their impact on quality of life
9. Thalidomide as treatment of basal exudates in Tuberculous Meningitis: A prospective randomized open blinded endpoint (PROBE) study Cyclophosphamide in the Treatment of refractory proliferative arachnoiditis in CNS Tuberculosis
10. Dalfampridine for improving visual function in acute demyelinating optic neuritis – A Randomized placebo-controlled trial.
11. Clinical spectrum, imaging features, long term outcomes of functional movement disorders
12. Efficacy of add on melatonin on seizure outcome in focal drug resistant epilepsy patients: An RCT
13. Clinical profile and response to steroids in brachial plexopathy: A prospective cohort study.
14. Efficacy of smartphone based digital application in improving headache related parameters as compared to paper pen diary in patients with migraine- a randomized controlled cross over trial.
15. Transcranial doppler ultrasonography in the diagnosis and prognosis of tuberculous meningitis induced cerebral vasculopathy
16. Correlation of changes in October parameters, optic nerve sheath diameter and MCA waveform by TCD with visual field in IIH.

Collaborative projects

Ongoing

1. Etiological study of hypertrophic pachymeningitis, Department of Neurosurgery
2. A multicenter, international, randomized, placebo controlled, double-blind, parallel group and event driven Phase 3 study of the oral FXIa inhibitor asundexian (BAY 2433334) for the prevention of ischemic stroke in male and female participants aged 18 years and older after an acute non-cardioembolic ischemic stroke or high-risk TIA. Multiple international collaborators.
3. A phase III randomized double blind, efficacy and safety study comparing SCAR442168 to placebo in participants with primary progressive Multiple Sclerosis (PERSEUS). Multiple international collaborators.
4. Understanding prescription patterns for Parkinson's disease prior to referral to a movement disorders centers in India: A cross-sectional study. Multiple centers across India.

Completed

1. A phase III randomized double blind, efficacy and safety study comparing SCAR442168 to placebo in participants with non-relapsing secondary progressive Multiple Sclerosis (HERCULES). Multiple international collaborators.
2. Cultural Considerations in Daily Levodopa Equivalent Dosage: A Study of Global Population. Multiple international collaborators.

Research over the past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	0	1	6
Total funding	-	Rs 10,00,000/-	Rs 3,01,64000/-

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total			
Journal articles	40	43	53
Abstracts	13	13	30
Chapters in books	5	2	3
Books	Nil	Nil	Nil

PATIENT CARE

Neurology services at NCI, Jhajjar are committed to providing care to patients with neurological conditions, particularly those affected by cancer. The outpatient department has provided consultations to numerous patients, including specialty clinic consultations.

Patient care

Item	2022–2023	2023–2024	2024–2025
OPD consultations	-	5600	5850
Special clinic consultations	-	650	750
Patients provided rehabilitation services	-	-	-
Total inpatient admissions	-	-	-
Laboratory Investigations	-	-	-

Community services/ camps

- Dr. Divyani Garg participated in public awareness program for Parkinson's disease.
- Dr. Jasmine Parihar participated in community outreach through a three-day free Medical Check-up Program held at Mundgod, Karnataka**,** in collaboration with the Patient Care Trust (NGO) and AIIMS, New Delhi, contributing to neurological screening and patient education.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Awards

Divyani Garg

1. Awarded Fellowship by the Royal College of Physicians (FRCP), London, UK

Jasmine Parihar

1. Awarded Smt. Pawan Kumari Jain Award for Young Physician having done outstanding work in the field of Medicine by Association of Physicians of India at the 35th Annual Conference (APIDSC) 2025

Significant events

Divyani Garg

1. Selected for the International Parkinson and Movement Disorder Society International Leadership Program 2024-2025
2. Selected as member of the Genetics Education Subcommittee of the International Parkinson and Movement Disorder Society 2025

3. Selected as steering committee member of the International Parkinson and Movement Disorder Society Clinical Research Methodology Special Interest Group (2025-2027)
4. Steering committee member of the International Parkinson and Movement Disorder Society Women in Movement Disorders Special Interest Group (2023-2025)
5. Steering committee member of the International Parkinson and Movement Disorder Society Pediatric Movement Disorders Special Interest Group (2023-2025)
6. Editorial Board member, Therapeutic Advances in Neurological Disorders journal
7. Assistant Editor, Annals of Indian Academy of Neurology
8. Assistant Editor, Annals of Movement Disorder
9. Conducted the guided poster tour at the Asian and Oceanian Parkinson and Movement Disorder Congress 2025 on Non-motor symptoms in Parkinson's disease
10. DM thesis evaluation for National Institute of Mental Health and Neurosciences (NIHANS), Bengaluru
11. Received ICMR travel grant for non-ICMR scientist
12. Served as quizmaster for the prestigious Indian Academy of Neurology Bar-B-Q quiz for neurology

Jasmine Parihar

1. Chaired a session at Confluence of Specialties in Medicine (COSM) 2025 on Non-invasive Neuromodulation in Headache Disorders: An Update on January 11th, 2025
2. Chaired a session at Neuro-update for the Physicians by API-DSC on Recognition and management of hyperacute stroke on June 1st, 2024
3. Chaired and moderated Data Blitz session at the AOEC on February 21st, 2025.
4. Judged Posters at the DNACON, 2025
5. Completed VIREPA- Neuroimaging Course 4th edition 2024-25 organized by International League Against Epilepsy (Nov 15th, 2024, to April 15th, 2025)
6. Conducted and participated as a tutor in the ASEPA-EEG preconference (AOEC) workshop on February 18-19th 2025 at AIIMS, New Delhi.

Nuclear Medicine

Associate Professors

Abhinav Singhal — Kalpa Jyoti Das

HIGHLIGHTS

The year 2024-25 was only the third year of clinical functioning of the department of Nuclear Medicine in NCI, Jhajjar. The department is currently equipped with PET-CT scanner (128 slice CT) and a dual head SPECT-CT gamma camera whose installation was completed in March 2022, marking the start of diagnostic imaging services with 18F-FDG PET-CT and 99mTc radiopharmaceutical based scintigraphy. In the month of August 2023, 68Germanium-68Gallium generator was procured with installation of automated synthesizer system thus expanding the gamut of PET-CT imaging to include 68Ga-DOTANOC and 68Ga-PSMA scans. The construction of a 21-bedded high dose radionuclide therapy ward (the largest such inpatient facility in India) is complete and awaiting operational license from the regulatory body. The unit is also actively involved in teaching and research.

EDUCATION

1. Postgraduate students pursuing MD degree in Nuclear Medicine are posted on rotational basis and are trained in conducting and reporting oncological PET-CT and various forms of gamma scintigraphy scans.
2. Periodic lectures are taken by the faculty members for the teaching of postgraduate students, technologist, and nursing staff.
3. Journal clubs presented by postgraduate students on the last Saturday of every month discussing the landmark research papers in Nuclear Medicine

4. Three postgraduate students pursuing MD in nuclear medicine allotted to each of the faculty member for MD thesis, making it a total of six PG students currently doing thesis in the department.

Lectures delivered at CMEs, National and International conferences

Abhinav Singhal

1. Personalizing Therapy in Metastatic Hormone-sensitive Prostate Cancer (mHSPC), Uro-Oncology Update, 23-24 November 2024, New Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
3	2	1
1	1	0

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	1	None	1

RESEARCH

Funded projects

Ongoing

1. Metabolic response by FDG PET-CT and its correlation with pathological response and genomic profile in patients of Non-Small Cell Lung Cancer (NSCLC) receiving neoadjuvant chemoimmunotherapy, Dr Abhinav Singhal, AIIMS New Delhi, 2 years, 2024-2026, Rs 20,00,000

Departmental projects (including thesis/dissertations)

Ongoing

Abhinav

1. Feasibility of blood glucose optimization using intravenous insulin in patients presenting with unexpected hyperglycemia before 18-FDG PET-CT
2. Success rate of an adaptive intravenous insulin protocol in patients presenting with unexpected hyperglycemia before 18F-FDG PET/CT
3. Evaluation of Ga68-PSMA PET-CT to differentiate post treatment recurrence from radiation necrosis in adult gliomas

Ongoing

Kalpa Jyoti Das

1. Molecular characterization of Breast Cancer using pretreatment 18F FDG PET/CT Radiomics
2. 68Ga PSMA PET/CT to asses expression of PSMA in treatment naïve osteosarcoma patients and predict response to NACT
3. Comparison of Ga-68 PSMA and Conventional staging in TNBC patients
4. Assessment of prevalence and severity of scanxiety in cancer patient undergoing 18F-FDG PET/CT and effect of audiovisual intervention in lowering anxiety levels
5. Assessment of 68 Ga-PSMA-11PET/CT in staging and response assessment to systemic therapy in patients with HCC- A pilot study

Collaborative projects

Ongoing

Abhinav

1. Metabolic response by FDG PET-CT and its correlation with pathological response and genomic profile in patients of Non-Small Cell Lung Cancer (NSCLC) receiving neoadjuvant chemoimmunotherapy, Department of Medical Oncology, NCI Jhajjar, AIIMS New Delhi

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	2	2	3
Total funding (Rs.)	15,00,000	15,00,000	25,00,000

Publications

Item	2022–2023	2023–2024	2024–2025
Total		**3**	**8**

PATIENT CARE

Diagnostic Scans performed in the Department of Nuclear Medicine from April 2023 to March 2024

PET-CT	2024-25
18F-FDG scans	4191
68Ga-PSMA scans	239
68Ga-DOTANOC scans	57
68Ga-FAPI scan	01
Gamma scintigraphy (99mTc based)	
DTPA scan with GFR	146
l, l, EC Diuretic renal scan	120
MDP bone scan	47
Thyroid scan	0
Parathyroid scan	01
MUGA scan	1507
Lung perfusion scan	11
Sentinel lymph node procedure	14
DMSA renal scan	01

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Dr Kalpa Jyoti Das was invited as a Quiz Master by the society of Nuclear Medicine India- Northern chapter in 2024.
- Dr Kalpa Jyoti Das was selected for the 3rd Edition of Masterclass in Radiomics: theory and practice held on 8-10 April 2024 at Institut Curie, Paris and received certificate for successfully completing the course.
- Dr Kalpa Jyoti Das was invited as a chairperson for the 3rd Annual Northeast Oncology Summit (NEOS) 2025 on the theme 'Holistic Approach to Cancer Care' on 01-02 March 2025 at Jorhat

ONCO- ANAESTHESIA & PALLIATIVE MEDICINE

Annual Report 2023-2024

FACULTY AND STAFF

Associate Professors

Anuja Pandit
Shweta Bhopale
Saurabh Vig
Balbir Kumar

Assistant Professors

Raghav Gupta

Prashant Sirohiya

Prateek Mourya (contractual)

Puneet Rathore (contractual)

Bhanu Pratap Mourya (contractual)

HIGHLIGHTS

Lectures delivered at CMEs, National and International conferences

Anuja Pandit

1. Onco- Critical Care in Gynaec-Oncology, NBEMS webinar, 27 February 2025, Delhi
2. CRS and HIPEC for Peritoneal Surface Malignancies: Anaesthesiologists perspective, Indian College of Anaesthesiologists Symposium, 04 December 2024, Delhi

Saurabh Vig

1. Management of malignant ascites and Malignant pleural effusion, - ICMR-AIIMS Capacity Building Workshop in Palliative Care, 20-21 July 2024, National Cancer Institute (NCI), Jhajjar, AIIMS, New Delhi,
2. ERAS in Head and Neck Surgeries, AIIMS International Head and Neck Cadaveric course, 19 March 2024, National Cancer Institute (NCI), Jhajjar, AIIMS, New Delhi,

Shweta Bhopale

1. ICMR-AIIMS Capacity Building Workshop in Palliative Care, - ICMR-AIIMS Capacity Building Workshop in Palliative Care, 20-21 July 2024, National Cancer Institute (NCI), Jhajjar, AIIMS, New Delhi,

Balbir Kumar

1. Delivered Talk on Role of Subcutaneous injection and fluid management in Capacity Building in Palliative Care Workshop organized by Indian Council of Medical Research(ICMR) and AIIMS New Delhi, ICMR Workshop, July 2024, Jhajjar

Prashant Sirohiya

1. Palliative Aspect of Chronic Diseases (COPD, CHF, CRF, HIV, and Neurological Disorder), ICMR-AIIMS Capacity Building Workshop in Palliative Care, 21 July 2024, National Cancer Institute (NCI), Jhajjar, AIIMS, New Delhi
2. Malignant bowel obstruction, ICMR Project titled: “To build the capacity of palliative care services in 10 hospitals in North India to reduce suffering in patients with chronic debilitating conditions”, 29 November 2024, GMC, Chandigarh
3. Pain, 25th Annual Conference of Rajasthan Society of Anaesthesiologists “RAJISACON 2024”, 15 September 2024, Jodhpur
4. Low Back Pain, The Low Backache Conundrum, Department of Anesthesiology, Pain Medicine and Critical Care, GIMS, 1 March 2025, Greater Noida

Raghav Gupta

1. Ethical considerations in end-of-life care, 5th CME Delhi IAPC, April 2024, India
2. ACLS BLS course teaching at Asian Hospital Faridabad, --, May 2024, India
3. ICMR AIIMS Extramural Project: Prognostication at end-of-life care and care of bed ridden patient, ICMR-AIIMS, June 2024, India
4. Newer OHA and anaesthesia, ISA Delhi Webinar, August 2024, India
5. Nerve injury during regional anaesthesia: factors and prevention, RAJISACON, September 2024, India
6. Prehabilitation and drivers of post-operative pain, ISA National YUVACON, September 2024, India
7. CHIP foundation stakeholder engagement cancer prevention and control, CHIP Foundation, October 2024, India
8. Panel and workshop on USG airway assessment, Anaesthesia update 2024, November 2024, India
9. Cancer Pain, Delhi Pain summit, November 2024,

10. Ethical considerations in Palliative Care, NCPO, January 2025, India
11. Palliative care in cancer, IAPCON National, January 2025, India
12. Nephro-critical care, ISCCM, February 2025, India
13. USG assessment of IVC, RSAPCON 2024, March 2025, India

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Anuja Pandit	2	3	2
Saurabh Vig	2	4	2
Shweta Bhopale	4	4	1
Balbir Kumar	1	2	1
Prashant Sirohiya	2	10	4
Raghav Gupta	11	12	13

List of oral papers/posters presented

1. Prashant Sirohiya, Hari Krishna Raju Sagiraju, Vasudha Ahuja, Brajesh Kumar Ratre, Balbir Kumar, Saurabh Vig, Nishkarsh Gupta, Sushma Bhatnagar, Comparison of Laryngeal Exposure in Bed-Up-Head-Elevated Macintosh Laryngoscopy vs. Supine C-MAC Video Laryngoscopy: A Randomized Non-Inferiority Trial, 41st Annual Academic Congress, College of Anesthesiologists & Intensivists of Sri Lanka, 21 February 2025, Colombo, Sri Lanka
2. Prashant Sirohiya, Prateek Maurya, Himanshu Varshney, Saurabh Vig, Balbir Kumar, Nishkarsh Gupta, Sushma Bhatnagar, Efficacy of Glossopharyngeal Nerve Block in Managing Pain in Oropharyngeal Carcinoma: A Retrospective Analysis, NZ Pain Society Conference 2025, 20 March 2025, Wellington, New Zealand
3. Dr Balbir Kumar, A Study of Burden and Determinants of Burnout Among Palliative Physicians in India, IAPCON Jammu, 31 January 2025, Jammu
4. Dr Balbir Kumar Manisha sahoo, Retrospective analysis of neuropathic pain in Subtotal Glossectomy, 4th Annual Research Day AIIMS new Delhi, February 2025, Delhi
5. Dr Balbir Kumar, A study to compare the efficacy of combination regimen of dexmedetomidine and midazolam versus ketofol (ketamine+propofol) for sedation in awake fiberoptic intubation (AFOI) in head and neck cancer patients- A randomized clinical trial, Annual Meeting IARS, 22 March 2025, Hawaii USA

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	7	4	5

RESEARCH

Ongoing Extramural Funded / Intramural Funded

1. To build the capacity of palliative care services in 10 hospitals in North India to reduce suffering in patients with chronic debilitating conditions, Dr. Brajesh Kumar Ratre, ICMR, 3 years, 2022-2025, Rs 2.76
2. Effect of goal-directed therapy on post-operative neutrophil gelatinase-associated lipocalin profile in Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy: a randomized control study, Dr. Raghav Gupta, AIIMS Intramural, 2 years, 2024-2026, Rs 5 plus 5 lakhs

Departmental Projects (including thesis/dissertations)

Ongoing

1. Bed Side Ultrasound to Estimate and Compare Gastric Volumes In Patients Of Gynaecological Malignancies With Other Non-Gastrointestinal, Non-Pelvic Malignancies: A Prospective Observational Study
2. To study the efficacy of palliative surgeries in patients of advanced surgeries in patients of advanced Head and neck and upper GI malignancies facing feeding difficulties: A prospective study

3. Enhancing Splanchnic Neurolysis with Dexmedetomidine: A Dounle-Blind Prospective Randomized Control Trial For Upper-Abdominal Malignancies
4. Efficacy of sublingual atropine vs placebo in management of sialorrhea in head and neck cancer-an open labelled randomized controlled trial
5. Effect of intraoperative esmolol on postoperative pain in breast cancer surgery a randomized control trial
6. Effect of early integration of palliative care with standard treatment in patients of hepatobiliary cancers: a randomised controlled trial
7. Comparison of effect of crystalloids vs Albumin for GDFT on preoperative outcomes in Major abdominal pelvic oncological surgeries: A randomised control trial
8. Assessment of QoL and emotional well-being in patients diagnosed with metastatic spinal cord compression presenting to the palliative care unit in a tertiary care centre: a prospective observational study
9. Correlation of preoperative Ultrasound guided subclavian diameter changes by passive leg raising test and incidence of post-induction hypotension after general anaesthesia in patients of head and neck malignancies: A prospective observational study
10. Burden and Determinants of Burnout Among Palliative Physicians in India-Cross sectional study
11. Predictive Factors of Postoperative Morbidity and mortality in patient undergoing head and neck surgery. A Retrospective observational Study

Completed

1. Cricoid ultrasonography and CT scan to predict the size of Double Lumen Tube in Indian population - A Prospective Observational Study
2. Predictors Of Post-Operative Morbidity and Mortality After Debulking Surgeries For Gynaecological Malignancies – Retrospective observational study
3. Epidural Analgesia On Perioperative Quality Of Recovery In Onco-Surgical Patients Undergoing Unilateral Thoracotomy: A Prospective, Randomized Control, Openlabel, Non-Inferiority, Preliminary Trial (Cepet Trial)
4. Comparison of Intravenous lidocaine and intravenous ketamine for prevention of postoperative catheter related bladder discomfort in patients undergoing transurethral resection of bladder tumor: A randomised control trial
5. Quality OF Life and Cognitive Function Assessment in patients diagnosed with Brain Metastasis Presenting to the Palliative Medicine Department in a Tertiary Care Canter-A Cross Sectional Study
6. A study to compare the efficacy of combination regimen of dexmedetomidine and midazolam versus ketofol (ketamine+propofol) for sedation in awake fiberoptic intubation (AFOI) in head and neck cancer patients- A randomized clinical trial

Collaborative Projects

Ongoing

1. ERAS in Head and Neck Surgeries – An Audit Cycle, Department of ENT, NCI Jhajjar

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	2	2
Total funding	-	Rs 10 lakh	Rs 2.86 cr

Publications

Item	2022–2023	2023–2024	2024–2025
Total			
Journal articles	21	17	15
Abstracts	8	-	-
Chapters in books	11	8	13

PATIENT CARE

	2022-23	2023-24	2024-25
OPD consultations	Screening and follow-up OPD 2 days a week	Screening and follow-up OPD 2 days a week, OPD for 6 hrs each in palliative medicine and cancer pain, patient load of approximately 50-60 patients per OPD.	Screening and follow-up OPD 5 days a week, OPD for 6 hrs each in palliative medicine and cancer pain, patient load of approximately 70-80 patients per OPD.
Operation theatre	4 major operation theatres plus round the clock emergency OT services	6 major operation theatres plus round the clock emergency OT services	5 major operation theatres plus round the clock emergency OT services
ICU	25 bedded ICU	25 bedded ICU	25 Bedded ICU
Palliative care ward	24 bedded ward	40 bedded ward	40 bedded ward
Emergency and periphery services	Procedures under sedation, non operating room anaesthesia, emergency ICU and OR services	Procedures under sedation, non operating room anaesthesia, emergency ICU and OR services	Procedures under sedation, non operating room anaesthesia, emergency ICU and OR services

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Raghav Gupta

1. Assistant Editor of ISA Delhi Newsletter
2. Assistant Editor of ISCCM Newsletter
3. Medical Dialogues Blackbuck Rising Researcher Award
4. Membership of National Academy of Sciences (First Science Academy of India)-MNASc
5. Organizing Secretary of AIIMS- NAMS Cancer Pain CME
6. Associate Nodal Officer of Delhi State Chapter of NAMS (National Academy of Medical Sciences)
7. Organising Committee member of ISA Delhi YUVACON, Delhi ISACON, CME's of Delhi IAPC, Cancer Training Centre cohort 6 Course
8. Scientific Committee member of NCPI 2025
9. First prize research category contribution at 1st NCPO 2025

Balbir Kumar

1. Basic Life Support, American Heart Association (July 2024) § Basic Course in Biomedical Research (enrolled in November 2024)
2. Advanced Life Support, American Heart Association (July 2024) §
3. Pediatric Advanced Life Support, American Heart Association (July 2024)

Prashant Sirohiya

1. Workshop Faculty
    a. ICMR-AIIMS Capacity Building Workshop in Palliative Care at the National Cancer Institute (NCI), Jhajjar, AIIMS, New Delhi, from July 20th to 21st, 2024.
    b. - Ultrasound guided nerve block workshop (upper limb blocks) at the 25th Annual Conference of Rajasthan Society of Anaesthesiologists "RAJISACON 2024, " on 13th September 2024 at Jodhpur.
    c. Chronic pain workshop (low back pain examination) at 63rd Annual Conference of Indian Society of Anaesthesiologists Delhi Branch– ISACON Delhi from 27th to 29th September 2024 - New Delhi
2. Fellowship
    a. National Fellowship in Palliative Medicine program at Institute of Palliative medicine, Kozhikode
3. Training
    a. ACLS and BLS training at SET Facility, AIIMS, New Delhi – 19th to 21st November 2024.

Visiting scientist

1. Visiting Faculty for ICMR Project titled: "To build the capacity of palliative care services in 10 hospitals in North India to reduce suffering in patients with chronic debilitating conditions" at GMC, Chandigarh from 29-30 November 2024.

Saurabh Vig

1. ACCAHA accredited – ACLS BLS Provider course Completed Basic Life Support, American Heart Association (July 2024)
2. Basic Course in Biomedical Research (enrolled in November 2024)

Shweta Bhopale

1. Completed Biomedical Research (BCBR) July 2024

Ophthalmology

Assistant Professors

Sumit Grover

Deepsekhar Das

HIGHLIGHTS

Ocular oncology services at NCI started in December 2022.

AIM:

- The aims of the Ocular Oncology Service are to provide expert diagnosis and treatment of ocular tumours, to conserve the health and well-being of patients with an ocular tumour and to prolong life.

Objectives:

- The objectives of the Ocular Oncology Service in NCI are to diagnose and treat ocular tumours in the hope of prolonging life and improving quality of life by conserving the eye and useful vision whenever possible.
- To collaborate with medical and surgical oncologists so as to optimize any opportunities for preventing and treating metastatic disease.

Major activities:

- Ocular oncology clinics catering to all intraocular and orbital tumors.
- Epiphora clinic started to evaluate and manage patients developing epiphora as a result of cancer or its treatment.
- Comprehensive ophthalmology services for common ailments like Refractive errors, Cataract, Glaucoma and Diabetic Retinopathy etc.
- Community ophthalmology services in collaboration with Preventive Oncology services NCI.
- Initiated Fundus on Phone AI based screening of retinal diseases in NCI Ophthalmology OPD.
- Faculty actively participated "i-Drone Corneal transportation by drones" project in collaboration with ICMR and Dr. RP centre AIIMS New-Delhi.





EDUCATION

1. Please provide a list of all the academic activities including undergraduate, postgraduate, and paramedical teaching.
   - Training and teaching of Junior residents/ Postgraduate students of Ophthalmology at Outreach OPD NCI Jhajjar.
   - Teaching rounds or Postgraduates students.
   - Training of Optometry interns at outreach OPD for community outreach services.
   - Undergraduate students teaching classes on basic sciences in Ophthalmology.
   - Faculty participated in multiple clinical rounds and case-based teaching of MBBS as well as MD students at RPCentre, AIIMS, New Delhi.

Name of faculty member:

Sumit Grover

1. Participated as faculty in pediatric ophthalmology session, Young ophthalmology society of India "YOSI" annual conference, 27-28 April 2024, Delhi
2. Guest lecture on Calculating "Effective Refractive error coverage"- novel indicator for UHC and participated as moderator in one session, Vision 2020 18th Annual conference, 6-7 July 2024, Ludhiana Punjab
3. Lecture on- Retinoblastoma Screening-Are we there yet!, ACOIN Delhi state chapter meeting and conference, 18 August 2024, Shroff charity eye institute New-Delhi
4. Attended as invited guest faculty- Need for corneal donation in India, Webinar on "corneal donation" on the occasion of corneal donation fortnight virtually organised by centurion university, 2 September 2024, Andhra Pradesh
5. Guest faculty lecture Moderator in one session, 17th SAO conference, 21-23 September 2024, Thimphu Bhutan
6. Participated as faculty Topic- role of non -ophthalmologist human resource in DR screening, Training Programme on Early Screening of Diabetic Retinopathy session organised by community ophthalmology Dr. RP centre AIIMS New-Delhi in collaboration with WHO India, 30 September 2024-05 October 2024, Dr. RP centre AIIMS New-Delhi
7. Participated as panelist in the expert panel in webinar, Diabetes in india-A growing threat to vision & eye health" organised by India vision institute, 11 December 2024, New-Delhi
8. Invited faculty speaker and panelist, Delhi Ophthalmological society DOS Winter meeting, 23-24 November 2024, New-Delhi
9. Participated as distinguished invited speaker on the topic- Slit lamp biomicroscopy, CME organised by Principal Medical officer Civil hospital Gurgaon, 3 March 2025, Gurgaon Haryana
10. Invited as Panelist in on -Understanding the barriers in utilization of LVA among low vision patients, Low vision AIDS webinar organised by ACOIN Delhi state chapter, 5 March 2025, New Delhi
11. Participated as panelist, "Oculoplasty & oncology renaissance" session organised by Dr. RP centre AIIMS New Delhi, 8 March 2025, New Delhi

Total number of lectures delivered.

Name of faculty	2022–2023	2023–2024	2024–2025
Dr. Sumit Grover	12	20	11

Name of faculty member:

Deepsekhar Das

1. Participated as panelist, "Oculoplasty & oncology renaissance" session organised by Dr. RP centre AIIMS New Delhi, 8 March 2025, New Delhi
2. Panelist, Master Classes in Ophthamology Winter Conference of Delhi Ophthalmological Society, 23 November 2024, New Delhi
3. Invited Speaker, Orbit & Lacrimal Disorders, Winter Conference of Delhi Ophthalmological Society, 24 November 2024, New Delhi
4. Invited Expert Panel, DOS IJO Session on Research Publications, 24 November 2024, New Delhi
5. Invited Speaker, Retinal Tumors (Surgical Videos Included), 24 October 2024, Online
6. Invited Speaker, "Glaucoma "Health talk show India Daily channel, 17 October 2024, Online
7. Invited Speaker, "Cataract" Health talk show India Daily channel, 28 October 2024, Online

Total number of lectures delivered.

Name of faculty	2022–2023	2023–2024	2024–2025
Deepsekhar Das	4	8	7

List of oral papers/posters presented.

1. Grover S, Vashist P, Senjam S, Gupta N, Gupta V, eCSC & eREC- novel indicators for universal eye health care, 17th SAO conference, 21-23 September 2024, Thimphu Bhutan
2. Joshi S, Chawla B, Lomi N, Grover S, Looking beyond the pediatric cataract" poster podium presentation, All India ophthalmological society mid-term conference, 25-27 October 2024, Uttarakhand
3. Das D, Chawla B, Lomi N, Inferior Oblique Sparing Brachytherapy Plaque Placement for Juxtafoveal and Peripapillary Large Choroidal Melanomas, ISOO Goa 2024, 3-7 December 2024, Goa
4. Das D, Chawla B, Lomi N, Retinoblastoma in Dandy-Walker Syndrome - A Rare Combination, ISOO Goa 2024, 3-7 December 2024, Goa
5. Gupta S, Das D, Genetic Susceptibility to Retinoblastoma: A Meta-Analysis Nucleotide Polymorphisms Across Global Populations, 5th International Global Cancer Consortium Conference (GCC 2025, 28-31 January 2025, New Delhi

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	1	2	5

Dr. Sumit Grover- 2

Dr. Deepsekhar Das- 3

RESEARCH

Departmental projects (including thesis/dissertations): 2

Ongoing

1. Visual Outcomes and regression patterns of intraocular retinoblastoma after multimodal treatment

2 Clinicodemographic Profile and Treatment Outcomes of Unilateral Retinoblastoma in the Current Era

Publications

Item	2022–2023	2023–2024	2024–2025
Total			
Journal articles	1	5	13
Abstracts			
Chapters in books		3	2
Books			

PATIENT CARE

Special clinics:

1. Ocular Oncology Clinic.
2. Epiphora Clinic for Cancer patients on chemotherapy.

Community Medical Camps attended by Faculty:

1. Attended Annual Medical Camp Organized by "Aarohan "Social service league of St. Stephens College (Uni. Of Delhi) in collaboration with sarcoma Care Foundation and Preventive oncology and Ophthalmology unit NCI (Jhajjar) on 22nd April 2024. Provided ophthalmology services to 200 patients.
2. Participated in the field research and attending eye patients at the Netra Kumbh at Prayagraj UP from 16-21 January 2024 nominated by Hon'ble Director AIIMS. Represented team AIIMS attended around 450 patients in 5 days.
3. Participated in medical camp organised by National institute of health and family welfare NIHFW on the occasion of 48th Annual day. Represented AIIMS and attended around 150 patients on 9th March 2025.
4. Attended, a medical camp organised by PCT-AIIMS at Mundgod Karnataka from 23-25 March 2025. Attended 250 Buddhist monks and other vulnerable population of tribal areas of Mundgod.

Patient care *(other items may be added/removed as per activity of department)*

Item	2022 (December)	2023 January-December	2024 January-December
OPD consultations Ophthal. Outreach OPD Jhajjar		11731	11636
NCI Ophthalmology OPD			821
Special clinic consultations	-	960	250
Patients provided rehabilitation services	-	15	6
Total inpatient admissions	-	-	-

AWARDS, HONOURS AND SIGNIFICANT EVENT

Sumit Grover

- Participated as member of Dossier committee pertaining Trachoma elimination in India by NPCB VI MoHFW at Nirman Bhawan New Delhi on 2 May 2024.
- Nominated as section editor of DOS Times "Ocular Oncology section" DOS is the official publication of Delhi Ophthalmological society. May 8, 2024.
- Endowed with ACOIN Assam state chapter oration 2024 award. Delivered the prestigious Late Dr. Prem Prakash Gupta memorial oration at ACOIN Northeast India Summit Sri Sankaradeva Netralaya Guwahati assam on 11 August 2024.
- Was nominated to be the member of the expert committee meeting conducted under the chairmanship of DGHS of India on 30 September 2024 (Monday) from 2.00 pm onwards for having first discussion on formation of National task force on Inclusive eye health under MoH&FW at Resource Centre Room No. 445-A Wing Nirman Bhawan, New Delhi.

Dr. Deepsekhar Das

- Awarded ***Editor Commendation Award*** for work as Assistant Editor of Indian Journal of Ophthalmology on 27 March 2025.
- Awarded ***IJO Award*** for "Disinsert, retract, rotate technique of plaque brachytherapy" by Indian Journal of Ophthalmology on 24 March 2025.

VISITING SCIENTIST N.A

Department of Orthopaedics

Assistant Professors

Love Kapoor

Shrijith Muralidharan B

HIGHLIGHTS

At the National Cancer Institute, we have provided comprehensive range of services and implemented initiatives to address the complex needs of patients with musculoskeletal tumors. Our foremost endeavor has been the inauguration of the Orthopaedic Oncology Outpatient Department (OPD) and Operation Theatre (OT) services. This allows us to provide specialized care from diagnosis to treatment under one roof, ensuring seamless coordination and personalized attention for each patient. One of our key focal points is limb salvage surgeries for complex bone tumors of the extremities. Through advanced surgical techniques and cutting-edge technology, we aim to preserve limb function and quality of life while effectively treating the malignancy. Additionally, we have established expertise in spine tumor surgeries, catering to patients with tumors affecting the spinal column. Emphasizing the importance of collaboration, we have forged partnerships with various departments within the institute, fostering a multidisciplinary approach through Disease Management Groups (DMGs). By bringing together experts from diverse fields, we enhance treatment planning and decision-making, ultimately improving patient care. Furthermore, we have prioritized the procurement of specialized instruments and machinery tailored specifically for musculoskeletal tumor surgeries. This investment enables us to perform procedures with precision and efficiency, staying at the forefront of orthopaedic oncology advancements. In essence, our Orthopaedic Oncology Unit stands as a beacon of hope for patients battling musculoskeletal tumors, offering comprehensive care, innovative treatments, and unwavering support on their journey towards recovery.

EDUCATION

As Assistant Professor in the department of Orthopaedics, we were involved in teaching and mentoring undergraduate and post-graduate students, including delivering lectures and moderating seminars. We were also involved in providing continuing education and training to nursing staff and other healthcare professionals involved in patient care.

1. Lecture on 'Congenital deformities of foot' - Undergraduates
2. Lecture on 'Amputations and Prosthesis' - Undergraduates
3. Seminar on 'Limb Salvage in bone tumors' – Postgraduates
4. Seminar on 'Management of Benign Bone Tumors' – Postgraduates
5. Post graduate Radiology session – X -ray discussion of common Orthopaedic cases
6. Post graduate lecture – "Bone graft and substitutes.
7. Lecture on 'Benign bone tumors 'for undergraduates
8. Post graduate teaching Case presentation – "Tuberculosis of Spine"
9. Post graduate Case presentation – "Bony swelling of distal thigh "
10. Post graduate Radiology session – X -ray discussion of common Orthopaedic cases.
11. Post graduate case presentation- "non-union neck of femur".

CMEs/Workshops/Symposia/National and International Conferences

Lectures delivered at CMEs, National and International conferences

Love Kapoor

1. "Classification of Bone Tumors.", Delhi Basic Tumor Course, organized by Delhi Orthopaedic Association, 9 June 2024, Delhi

2. "Management of Appendicular Skeletal Metastasis.", Delhi Basic Tumor Course, organized by Delhi Orthopaedic Association, 9 June 2024, Delhi
3. "Injecting Strength: Sclerotherapy in Aneurysmal Bone Cysts.", 6th Annual Conference of the Asia Pacific Orthopaedic Association - Young Surgeon Forum (APOA-YSF) India Chapter, 26-27 April 2024, Jammu

Panelist in Panel Discussions

1. Reconstruction after Limb Salvage in Lower Extremity Bone tumors, 11th annual conference of the Indian Musculo-Skeletal Oncology Society (IMSOS), 13-16 March 2025, Goa
2. Session on Bone Tumors / Sarcomas, Annual Conference of the Delhi Orthopaedic Association (DOACON 2024), 8-10 November 2024, Delhi

Shrijith Murlidharan B

1. Unplanned biopsy in limb tumors and rodded sarcoma, Faculty, DOACON- Basic Bone tumor, 09 June 2024, New Delhi, India
2. Metastatic scoring system for spine and extremities, Faculty, DOACON -Basic bone tumor, 09 June 2024, New Delhi, India
3. Advanced implant metallurgy in tumor surgeries, Faculty, MISSABCON -Minimally invasive Spine Surgeons of Bharat, 18 October 2024, Ahmedabad, India
4. Vertebral Osteotomies and Spinopelvic reconstruction, Cadaver course convener and Faculty, AIIMS 4th International Spine Conference, 27 March 2025, New Delhi

Panelist in Panel Discussions

1. Limb salvage surgery in malignant tumors, Faculty, DOACON- Basic Bone tumor, 09 June 2024, New Delhi, India
2. Denusumab vs Zolendronic acid for Giant cell tumor, Faculty, DOACON 2024, 08 November 2024, New Delhi, India
3. Junctional kyphosis in Spinal column reconstruction, Faculty, DSSCON 2024, 15 April 2024, New Delhi, India

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024-25
Love Kapoor	2	5	3
Shrijith MB	-	3	4

List of oral papers/posters presented

1. Love Kapoor, Venkatesan Sampath Kumar, Shah Alam Khan, Clinical outcomes of NFTDC TKP2.4 Distal Femur Knee Prosthesis for oncologic indications - a short to medium term outcomes from single tertiary centre, 11th annual conference of the Indian Musculo-Skeletal Oncology Society (IMSOS), 13-16 March 2025, Goa
2. Love Kapoor, Venkatesan Sampath Kumar, Shah Alam Khan, Clinical and Functional outcome of Zoledronate Therapy and Valgus Osteotomy with Cephalomedullary Fixation in Proximal Femoral Fibrous Dysplasia, 11th annual conference of the Indian Musculo-Skeletal Oncology Society (IMSOS), 13-16 March 2025, Goa
3. Love Kapoor, Venkatesan Sampath Kumar, Shah Alam Khan, Can endothelial cell dysfunction predict surgical wound health in bone sarcoma? A prospective study evaluating factors predicting wound complications in bone sarcoma, Annual Conference of the Delhi Orthopaedic Association (DOACON 2024), 8-10 November 2024, Delhi
4. Love Kapoor, Venkatesan Sampath Kumar, Shah Alam Khan, Correlation between patellar height and functional outcomes following endoprosthetic reconstruction in distal femur tumours, 69th Annual Conference of the Indian Orthopaedic Association (IOACON 2023), 2-7 December 2024, Bangalore
5. 8-10 November 2024, Clinical impact of Separation surgery on functional and neurological aspect of patients with metastatic spine disease- A prospective observational study, IMSOS, 2025, 16 March 2025, Goa
6. Shrijith MB, "Physiological decompression "- Role of pre operative combination therapy – ZOLEM (ZOledronic acid and EMbolization) in Giant cell tumor of spine, IMSOS, 2025, 16 March 2025, Goa

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024-25
Oral/poster	8	20	6

RESEARCH

Funded projects: None

Departmental projects (including thesis/dissertations): None

Collaborative projects: None

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	-	0	0
Total funding	-	0	0

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**0**	**4**	**15**

PATIENT CARE

Patient care*(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024-25
OPD consultations	28	258	379
Special clinic consultations	13	107	175
Patients provided rehabilitation services	13	33	54
Total inpatient admissions	13	33	54

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Love Kapoor

1. Awarded the **"Best Oral Paper"** for paper presentation titled "*Can endothelial cell dysfunction predict surgical wound health in bone sarcoma? A prospective study evaluating factors predicting wound complications in bone sarcoma."* by the Delhi Orthopaedic Association.
2. Awarded the prestigious **Dr. S.S. Yadav Gold medal for "Best Oral Paper"** for paper presentation titled *"Analysis of factors affecting the incorporation of extracorporeally irradiated autograft for the treatment of bone tumors – a retrospective analysis from a tertiary referral centre"* by the Indian Orthopaedic Association.
3. Awarded the **Gold Medal for "Best Oral Paper"** for Paper presentation titled *"Can endothelial cell dysfunction predict surgical wound health in bone sarcoma? A prospective study evaluating factors predicting wound complications in bone sarcoma"* by the Indian Musculo-Skeletal Oncology Society (IMSOS).

Dr. Shrijith MB:

1) Awarded and recognized as AO Spine International fellow for 2024.
2) Reviewer for Journal of Orthopaedics and Research, Indian Association of Surgical Oncology, Journal of Orthopaedics, Indian Journal of Orthopaedics.
3) Co organizing Secretary and Cadaver course Convener for International Spine deformity conference - 2023-2024/ 2024-2025, Organized by Department of Orthopaedics at AIIMS, New Delhi.

VISITING SCIENTIST

None

Pediatrics

FACULTIES- Assistant Prfoessors

Lalit Takia

Varsha Mishra

Rachna Pasi

HIGHLIGHTS

The Scope and services of the pediatric department were expanded. This included care of the critically ill pediatrics cancer patients, initiation of a pediatric oncology nutrition clinic and childhood cancer survivorship clinic at NCI. The pediatric oncology nutrition clinic aims to prevent and treat malnutrition among children with cancer. Childhood cancer survivorship clinic has been initiated jointly with the medical oncology team to provide comprehensive care to the survivors. This includes monitoring their growth, immunization and late effects of the cancer treatment.

Lalit Takia

CMEs/Workshops/Symposia/National and International Conferences

1. Acute asthma management in ER and ward, AIIMS Pediatric Pulmonology and Intensive Care Course Module 13, 13-14 April 2024, New Delhi
2. High flow oxygen therapy, CME/Workshop on Basic and Advanced Mechanical Ventilation: Individualized Therapy", 17-18 August 2024, Delhi
3. Challenging cases in PICU: case based discussion, Pediatric Conference of North India, 21-22 September 2024, Delhi

PUBLICATIONS

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Lalit Takia

"Inducted as a Member of the Editorial Board of *BMC Pediatrics*, a peer-reviewed paediatric journal.

Participated as a faculty for a workshop on Basic Life support and pediatric advanced life support held at AIIMS, New Delhi, AIIMS Rishikesh, GIMS Greater noida and ESIC Faridabad.

Dr Lalit Takia chaired a session on "Challenging cases in PICU" at the 7th Pediatric Conference of North India.

FACULTY

Assistant Professor

Varsha Mishra

CMEs/Workshops/Symposia/National and International Conferences

1. Anemia – in early diagnosis and referral of childhood cancer, Indian Childhood Cancer Initiative, 3 April 2025, Delhi
2. Approach to pancytopenia in children – Aplastic Anemia, PINK FOOTSTEP module workshop by IAP, 13 April 2025, Delhi

List of oral/poster presentations

1. Varsha Mishra, Pratibha Singh Yadav, Rohan Halder, Dinesh Bhurani, Beyond survival: Exploring the impact of Hematopoietic Stem Cell Transplant on Quality of Life in Children with Thalassemia Major, 27th Annual pediatric Hematology Oncology Conference, 23 November 2024, Jammu

Research projects

1. "Evaluationoftheutilityofserumbiomarkersforearlypredictionofclinical outcome and bacteremia in febrile neutropenia among children with cancer.", Dr Varsha Mishra, AIIMS, 2 years, 2025-2027, Rs 1,00,000

PUBLICATIONS (2) 2024-25

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Varsha Mishra

Participated as a faculty for a workshop on advanced pediatric oncology care at the 27th Annual Pediatric Haematology Oncology Conference held at Jammu in November 2024.

Dr Varsha is a member of the pediatric haematology oncology chapter of the Indian Academy of Paediatrics.

Member of the International Society of Pediatric Oncology.

Member of the Indian Childhood Cancer Initiative (ICCI) for Access to Care task force and is involved in formulating the training document for it.

Dr Varsha chaired a session on"The use of PICC lines in pediatric oncology" at the 7th Pediatric Conference of North India.

Initiated Childhood Cancer Survivorship Services at NCI, AIIMS DELHI

Faculty

Assistant Professor

Rachna Pasi

Lectures delivered at CMEs, National and International conferences

Rachna Pasi

1. "18-30 month visits: Monitoring Growth and Development", OPSIS, IAP Agra, April 2024, Agra, UP
2. "9-12 month visit: Nutritional Stumbleblock", TINY to TALL, IAP Faridabad, May 2024, Faridabad, Haryana
3. Applied aspects of epidemiology, investigation, management and prevention of gastrointestinal infections, ACM Academic Initiative -'Updates on Applied Microbiology', May 2024, Madurai
4. "Aplastic Anemia", "Pediatric Conference of North India (PCNI) & 7th National Conference of IAP Medicolegal Chapter (MLCON)-2024" under Hemato-Oncology subspeciality (IAP), September 2024, Delhi
5. "National Consultative meet", 62nd National Conference of IAP PEDICON, January 2025, Hyderabad, Telangana
6. **"Conquering the Triple Threat: Cancer, Tuberculosis, and HIV - Challenges, Innovations, and Hope"**, World TB Day 2025 event, AIIMS Madurai with theme *"Yes! We Can End TB: Commit, Invest, Deliver"*, March 2025, Madurai

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Rachna Pasi	1	3	6

PUBLICATIONS

Publications: Dr. Rachna Pasi

Item	2022–2023	2023–2024	2024–2025
Total	**9**	**8**	**4**
Journal articles	4	6	3
Abstracts	3	0	0
Chapters in books	2	2	1
Books	0	0	0

PATIENT CARE

Patient care*(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024–2025
OPD consultations		100	118
Special clinic consultations (Pediatric Onco-nutrition Clinic)	-	4	59
Patients provided rehabilitation services			
Total inpatient admissions			
Laboratory Investigations			

AWARDS, HONOURS AND SIGNIFICANT EVENTS

For individual faculty members

- **Dr. Rachna Pasi:** She is certified national trainer for "PINK FOOTSTEP" training program under IAP Presidential Action plan 2025. She has chaired session as chairperson for session "Aplastic Anemia" at Pediatric Conference of North India (PCNI) & 7th National Conference of IAP Medicolegal Chapter (MLCON)-2024" under Hemato-Oncology subspeciality organized at Delhi held in September 2025. She is faculty in charge of special clinic, Pediatric Onco-Nutritional Clinic (PONC) at NCI AIIMS-Delhi, September 2024 (official approval). She has completed Hands-On Workshop on "Research Data Capturing using REDCap" & "Systematic Review & Meta-analysis" organized by the Clinical Research Unit (CRU), Research Section, AIIMS, New Delhi.

Plastic Surgery

Assistant Professor

Aparna Sinha

Talks

1. Initial assessment of Burns, Advanced emergency burn managementtraining for doctors, underMOHFw- National programmefor prevention and management of trauma and burns injuries, 5 February 2025, Aiims, new delhi
2. Burns Resusitation, Advanced emergency burn managementtraining for doctors, underMOHFw- National programmefor prevention and management of trauma and burns injuries, 5 February 2025, Aiims, new delhi
3. **Skill demonstration in burns**, Advanced emergency burn managementtraining for doctors, underMOHFw- National programmefor prevention and management of trauma and burns injuries, 5 February 2025, Aiims, new delhi
4. **Inhalational injury**, Advanced emergency burn managementtraining for doctors, underMOHFw- National programmefor prevention and management of trauma and burns injuries, 6 February 2025, Aiims, new delhi
5. **Paediatric burn, chemical burns, electrical burns**, Advanced emergency burn managementtraining for doctors, underMOHFw- National programmefor prevention and management of trauma and burns injuries, 6 February 2025, Aiims, new delhi

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Dr Aparna sinha	1	6	5

List of oral papers/posters presented

1. Sinha A, Chauhan S, Singhal M, Technologies and Instrumentation in Liposuction, AIIMS Aesthetic Surgery Update 2024, 15 December 2024, Delhi
2. R M, Tiwari R, Sinha A, Comprehensive Strategies for Scalp Defect Coverage in Burn Wounds: A Retrospective Study in a Tertiary Care Setting, ISBI, 18-22 August 2024, Birmingham, uk

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	1	5	2

RESEARCH

Journal articles

Ganesan K, Saha S, Sinha A, Singhal M. Herniated Post Traumatic Radial Artery Pseudoaneurysm – Excision with Vascular Reconstruction. BMJ Case Reports. 2025 March 1. Manuscript ID: bcr-2024-263418

Preventive Oncology

Associate Professor

Hari Krishna Raju Sagiraju

Jitendra Kumar Meena

HIGHLIGHTS

In addition to routine clinical screening of oral, breast and cervical cancer, the department caters for risk screening, laboratory testing and referral/follow-ups of other cancers, i.e prostate, colorectal and hereditary, etc. In coordination with other oncology specialties and Disease Management Groups, supportive services, i.e tobacco cessation, HPV DNA testing, cancer education/lifestyle counselling, etc, are routinely provided to cancer patients and at-risk individuals.

Similarly, expansion of community screening services (4964 screened in 2024-25) was done through community outreach programs in Delhi, Haryana (Jhajjar, Gurugram) districts and NP-NCD capacity building initiatives with Haryana and the Govt. of NCT Delhi. In addition to cancer-related services, the Department offers NCD risk profiling, Lab testing and treatment referral support for NCDs i.e Hypertension, Diabetes, Chronic Kidney/Liver disease's etc, in a comprehensive care model for both community outreach and hospital-based services.

The Department regularly conducts Health promotion and Cancer awareness activities to create awareness for cancer risk reduction and early detection at NCI (patients, attendants and staff) and in camp attendees in rural and urban community settings. The Department also conducts weekly AIIMS employee health and wellness sessions and provides cancer screening, lifestyle education and cancer risk management services.

The Department conducted a "Preventive Oncology workshop" during the 5th IAPSM Young Leaders National Conclave to orient and skill young post-graduates and early career faculty in modalities and scope of Preventive Oncology. The department started a PhD program and enrolled a student. The faculty regularly conducts and engages in academic activities (lectures, talks, etc.) for the residents at NCI Jhajjar and offers virtual/physical training to medical officers, nurses, et, c of various state governments to equip them with knowledge and skills related to cancer prevention and early detection along with supportive care. The department currently supports its community outreach services under various extramural research grants from various funding agencies i.e ICMR, HEFA, Ministry of Education and CSR/Industry support in collaboration with Department of Health, Haryana.

EDUCATION

1. PhD program: coursework, sessions in cancer epidemiology, research methodology, biostatistics, etc.
2. Weekly seminar presentations and discussions moderated by faculty and delivered by resident, PhD student and research staff (medical social worker, staff nurse, etc.)
3. Offline and Online training of Healthcare workers in Cancer Prevention & Early Detection of Govt.. of Haryana and NCT Delhi.

Number of PhD Students: 1

CMEs/Workshops/Symposia/National and International Conferences

1. Preventive Oncology Workshop, 5th IAPSM Young Leaders Conclave, AIIMS New Delhi
2. Epicritique Workshop, 5th IAPSM Young Leaders Conclave, AIIMS New Delhi
3. CMIE Health Care Innovation Series, Boot Camp in Oncology, NCI Jhajjar

Lectures Delivered At Cmes, National And International Conferences

Hari Krishna Raju Sagiraju

1. Improve access to early cancer screening, COMMUNITY UPDATE AND LEAD UP EVENT TO FIRST U.S. - INDIA CANCER MOONSHOT DIALOGUE, 28 May 2024, **NCI-Jhajjar**
2. ts for Hypothesis Testing & their Assumptions, Biostatistcs in Oncology (BiO Workshop), 9 November 2024, **NCI-Jhajjar**

Jitendra Kumar Meena

1. Tobacco Cessation and Cancer Screening, ECHO Certificate Course, Nepalese Society of Community Medicine (NESCOM), September 2024
2. Research Methodology, ECHO Certificate Course, Nepalese Society of Community Medicine (NESCOM), March-May 2024
3. Cancer Awareness and Screening Training, ECHO Certificate Course, AIMSRC, Rajsamand, Rajasthan, January 2024

4. Cancer Awareness and Screening Training, ECHO Certificate Course, Govt. Medical College, Chandigarh, February 2024
5. Artificial Intelligence in Health – Boon or Bane? 5th IAPSM Young Leaders Conclave, CCM, AIIMS New Delhi, November 2024
6. End of Lifecare: Bridging Healthcare Proessionals and Society Perspectives, National Academy of Medical Sciences (NAMS, Department of CMFM, AIIMS Jodhpur, February 2024
7. Evidence-based screening strategies for major NCDs, International Course on Public Health Approaches to Non-Communicable Diseases (CCM, SPH PGIMER Chandigarh), World NCD federation, March 2024

Total number of lectures delivered

Name of faculty	2022-2023	2023-2024	2024-2025
Dr Hari Krishna Raju Sagiraju	3	6	3
Dr Jitendra Kumar Meena	5	10	7

List Of Oral Papers/Posters Presented

S. No.	Authors	Title of presentation	Name of the conference	Date	City
1.					

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster			

RESEARCH

FUNDED PROJECTS

Ongoing

1. Screening for risk factors and precancerous lesions of head & neck and prostate cancers in the geographical areas near National Cancer Institute (NCI)-India, Dr Hari Krishna Raju Sagiraju, Bayer Pharmaceuticals Pvt Ltd, India, 5 years, 2022-2027, Rs 9.0 Cr
2. Assessment of Second-hand Tobacco smoke (SHS) exposure and evaluation of m-Health promotion strategy among attendants of cancer patients at a tertiary cancer hospital, Dr Jitendra Kumar Meena, AIIMS-Intramural, 2 years, 2020-ongoing, Rs 1.5 lacs
4. Oral Potentially Malignant Lesion Atlas Project: Validating the efficacy of a novel, Point-of-Care diagnostics and developing an integrated multidimensional prognostic nomogram, Dr Hari Krishna Raju Sagiraju, ICMR, 3years, 2023-2026, Rs 1.29 Cr
5. Assessment of breast cancer risk profile and factors implicit in differential incidence rates within rural and urban populations in India by developing a machine learning based risk prediction tool, Dr Jitendra Kumar Meena, ICMR, 3 years, 2023-2026, Rs 49.5 Lakhs
6. Life Course Approach to Women's Health: A sustainable strategy for effective cancer prevention in India, Dr Jitendra Kumar Meena, HEFA, Ministry of Education, Govt. of India, 3 years, 2024-2027, Rs 59.5 Lakhs

Completed

1. Cancer Awareness and Referral Engagement (CARE) program for medical- officers/Specialists in selected district hospitals of Haryana, Dr Hari Krishna Raju Sagiraju, Pfizer Global- Extramural, 18 months, 2022-2024, Rs 29.5 Lacs

Departmental projects (including thesis/dissertations)

Ongoing

1. PhD thesis: Multilevel study of factors determining Access to Breast cancer care among patients and their family members

COLLABORATIVE PROJECT

Ongoing

1. Hospital-Based Cancer Registry at National Cancer Institute (NCI), Jhajjar of AIIMS New Delhi, Department of Surgical Oncology, IRCH
2. To build the capacity of palliative care services in 10 hospitals in North India to reduce suffering in patients with chronic debilitating conditions, Department of Onco-Anaesthesia & Palliative Medicine
3. Generate Medical Imaging Datasets (MIDAS) for tobacco-induced oral lesions to enhance research in health in India, Department of Oral Pathology, CDER
4. Collaborative network of public institutions for early identification of Retinoblastoma and other ocular disorders presenting with leukocoria in children- An implementation model, Department of Ophthalmology, RP Center
5. Assessing determinants of continuation or relapse of tobacco consumption and the impact of integrated cessation interventions during radiotherapeutic treatment and follow-up of patients with head and neck Cancer, Department of Radiation Oncology, NCI

Completed

S. No.	Title of the project	Collaborating Department/ Institution
1.	–	–

Research over past 3 years

Research project	2021-2022	2022-2023	2023-2024	2024-2025
Total funded projects	2	3	6	6
Total funding (Project Year specific)	Rs 31 lakhs	Rs 1.51 cr	Rs 2.55 cr	Rs 3.10 cr

Publications

Item	2022-2023	2023-2024	2024-2025
Total	**28**	**17**	**14**
Journal articles	20	13	6
Abstracts	8	2	7
Chapters in books	0	1	-
Books	0	1	1

PATIENT CARE

Item	2023	2024 (ongoing)	Apr 2024- Mar2025
OPD Services (Total Attendees)	**1140**	**671**	**985**
Screening Consultations	537	416	
Case Registrations	603	155	413
Special clinic consultations (Tobacco cessation clinic)	143	69	196
HPV DNA testing (Cervical screening)	416	102	483
Individuals screened through community Screening Camps	**2726**	**1273**	**4964**

Physical Medicine and Rehabilitation

1. Dr. Raktim Swarnakar, Assistant Professor of Physical Medicine and Rehabilitation (PMR), NCI-AIIMS, Jhajjar, AIIMS, New Delhi. (From 27 February 2025)

   Since joining date of the concerned faculty (contractual) was 27 February 2025. There were no major activities except publication.

PUBLICATIONS

PATIENT CARE

Referred cases (individuals with cancer) from different departments of NCI-AIIMS, Jhajjar were attended for Physical Medicine and Rehabilitation (PMR) consultation in PMR OPD

Radiation Oncology

Associate Professors

Aman Sharma

Supriya Mallick

Assistant Professor

Karun Kamboj

Anil Gupta (Contractual)

Name of faculty member

1. Evolving role of radiotherapy in Breast cancer, Invited Lecture at SJH, 10 May 2024, New Delhi
2. Clinical Trial Design, 48th ICRO teaching course, 26 October 2024, Bhatinda
3. Radiotherapy for Hemangiopericytoma, ISNO, Online
4. Optimum RAdiation dose for palliation in Head and neck squamous cell carcinoma (OpRAH) – A phase 3 randomized controlled trial, ESTRO 2024, 3-7 May 2024, Glasgow, UK
5. Approach to glioma/Medulloblastoma, Neuro-Oncology Class, New Delhi
6. Evolution of adjuvant treatment in GBM/AA, Neuro-Oncology Class, New Delhi
7. Adjuvant radiation in medulloblastoma, Neuro-Oncology Class, New Delhi
8. Cholangiocarcinoma Tumor Board: Multidisciplinary Collaboration for Optimal Patient Care, GIOS, 9 November 2024, Chandigarh

Total number of lectures delivered

Name of faculty	2022– 2023	2023–2024	2024–2025
Dr Supriya Mallick	3	3	8

List of oral papers/posters presented

1. **Mallick S**, **Dagar A**, **Ghosh A**, **Raj J**, **Hazarika S**, **Meena JK**, **Kumar A**, **Sharma J**, **Panda S**, **Sharma A**, **Singh M**, **Sharma D**, **Thakar A**, Optimum radiation dose for palliation in Head and Neck Squamous Cell Carcinoma (OpRAH) – A phase 3 randomized controlled trial, ESTRO, 3–7 May 2024, Glasgow, UK.
2. **Dagar A**, **Ghosh A**, **Aashita A**, **Vivekananda A**, **Amritt A**, **Raj J**, **Hazarika S**, **Sharma A**, **Sharma DN**, **Mallick S**, Hypofractionated radiotherapy in brainstem gliomas: Experience from a tertiary care centre in India, SNO, 21–24 November 2024, Texas, USA.
3. A Vivekanandan, S Chaudhary, A Aashita, A Amritt, A Ghosh, A Dagar, A Maiti, S Hazarika, J Raj, A Sharma, K Kamboj, YI KN, A Kumar, J Sharma, DN Sharma, S Mallick, Accuracy of Patient Setup in Breast Cancer Radiation Therapy Using Cone Beam Computed Tomography and Surface Guided Radiotherapy A Comparative Analysis, ASTRO, 29 September-2 October 2024, Washington, DC
4. A Aashita, A Dagar, A Vivekanandan, A Ghosh, YI KN, S Hazarika, K Kamboj, PA Patil, S Vij, A Sharma, DN Sharma, S Mallick, Assessment of Pattern of Requirement of General Anesthesia for Pediatric Patients Undergoing Radiotherapy, ASTRO, 29 September-2 October 2024, Washington, DC

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	5	3	12

RESEARCH

Funded projects

Ongoing

1. Designing and implementation of health care model in patients with stage 2 breast cancer, Supriya Mallick, ICMR, 3 years, 2024-2027, Rs 1,80,00,000
2. Prophylacti c cranial radiation for patients with high risk triple negative breast cancer and correlation with pCTC and CSF CTC, Supriya Mallick, ICMR, 3 years, 2024-2027, Rs 60,00,000

Completed

1. Optimum radiation dose for palliation in head and neck Squamous cell carcinoma – A phase 3 randomized controlled trial (OpRaH), Supriya Mallick, ICMR, 3 years, 2021-2024, Rs 20,00,000
2. Phase II study of hypo-fractionated accelerated radiotherap y with concurrent and maintenance temozolomide in newly diagnosed IDHwt Anaplastic Astrocytom a (NCI-R 01-HyRAA), Supriya Mallick, AIIMS, 2 years, 2021-2023, Rs 5,00,000
3. Cervical cancer tumour micro-environmen t immune profiling and effect on early response to standard chemoradio therapy in Indian patients, Supriya Mallick, ICMR, 2 years, 2021-2023, Rs 5,00,000

Departmental projects (including thesis/dissertations)

Ongoing

1. A phase ii single arm study to evaluate the impact of stereotactic ablative radiotherapy to oligoprogressive/ oligorecurrent/ oligoresidual sites in patients with advanced breast cancer
2. The hypcon trial 2: a phase ii randomized study Evaluating hypofractionated versus conventional adjuvant concurrent chemo-radiation therapy in head and neck malignancies

Completed

1. Curative approach treatment with SABR in bone only oligometastatic breast cancer
2. Pattern of care and outcome in locally advanced non small cell lung cancer patients in northern india- radiation oncology perspective from a tertiary care centre
3. Comparison between hypofractionated whole breast irradiation vs accelerated partial breast irradiation in early stage breast carcinoma
4. Hypofractionated adjuvant radiation therapy in head and neck malignancies: a randomized phase ii study

Collaborative projects

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total fundedprojects	3	2	3
Total funding	Rs 17,00,000	Rs 17,00,000	Rs 1,00,00,000

PUBLICATIONS

Item	2022–2023	2023–2024	2024–2025
Total			
Journal articles	8	8	9
Abstracts	5	3	12
Chapters in books	1	2	10
Books	1	0	1

PATIENT CARE

Under the title: Patient care/supportive activities: please include information regarding:

(a) facilities available in the department (including special clinics and/or special laboratory facilities)

1) Comprehensive breast cancer DMG and Breast cancer survivorship Program

(b) community services/camps, etc.

Please also provide data wherever appropriate.

Patient care*(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024–2025
OPD consultations	3500	7000	9000
Special clinic consultations	3500	4300	4500
Patients provided rehabilitation services			
Total inpatient admissions			
Laboratory Investigations			

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Aman Sharma Poster presentation**,** 11th Annual Young Radiation Oncologists Conference (YROC)-2025**,** 25-26 January 2025**,** Maduarai, Tamil Nadu; Invited Speaker SBRT vs Surgery in Early Lung Cancer**,** OFCON-2024-2025, 18-19 January 2025**,** Apollo Hospital New Delhi; Organising Secratary**,** AIIMS-NCI Brachytherapy Course-2024**,** 9-13 December 2024**,** National Cancer Institute, AIIMS, New Delhi

Total number of lectures delivered

Name of faculty	2024–2025
Dr Aman Sharma	04

1. **Kamboj K**, **V Abiramasundari**, **Mallick S**, **Sharma A**, **Izzuddeen YKN**, **Saini SK**, **Das N**, **Ghosh A**, **Kumar N**, **Jha A**, **Sagiraju H**, Digital Poster – *The Nutritional Status Effect: Neoadjuvant chemoradiation toxicity in esophageal cancer*, European Society for Radiotherapy and Oncology (ESTRO-2024), 3–7 May 2024, Glasgow, United Kingdom.
2. **Kamboj K**, **Ramdas A**, **V Abiramasundari**, **Mallick S**, **Sharma A**, **Izzuddeen YKN**, **Saini SK**, **Das N**, **Ghosh A**, **Kumar N**, **Jha A**, **Sagiraju H**, Poster Presentation: *Early Clinical Outcomes in patients of node-positive cervical cancer treated with chemoradiotherapy using Simultaneous Integrated Boost–Volumetric Modulated Arc Therapy (SIB-VMAT)*, Young Radiation Oncology Conference-2025, 19–21 January 2024, Madurai, Tamil Nadu.
3. **Kamboj K**, **Ramdas A**, **V Abiramasundari**, **Mallick S**, **Sharma A**, **Izzuddeen YKN**, **Saini SK**, **Das N**, **Ghosh A**, **Kumar N**, **Jha A**, **Sagiraju H**, Poster Presentation: *Acute and Long-Term Toxicities in Patients of Node-Positive Cervical Cancer Treated with Chemoradiotherapy Using Simultaneous Integrated Boost–Volumetric Modulated Arc Therapy (SIB-VMAT)*, Young Radiation Oncology Conference-2025, 19–21 January 2024, Madurai, Tamil Nadu.

If any award has been won please place 1, 2, 3, 4in the last column of that entry and elaborate at the bottom of the table (e.g. 1 Best paper award, 2 Best poster award, 3 XYZ Association award, etc.)

Total number of oral/poster presentations

Presentation	2024–2025
Oral/poster	3

RESEARCH

Funded projects

Departmental projects (including thesis/dissertations)

1. SWOAR Trial, Dr Aman Sharma, Nil, 2 years, 2022-2024, Nil
2. HYPCON Trial**,** Dr Aman Sharma (Thesis Chief guide)**,** Nil**,** 2 years**,** 2022-2024**,** Nil

Ongoing

1. Eliminate Trial
2. HYPCON 03 Pilot Study
3. HYPCON II Trial

Completed

1 SWOAR Trial

2 HYPCON Trial

Collaborative projects

Ongoing

1. Eliminate Trial, NCI AIIMS Jhajjar, AIIMS New Delhi, AIIMS Raipur, JIPMER Pudduchery, AIIMS Rishikesh, RML Lucknow, IGIMS PAtna

Research over past 3 years

Research projects	2024–2025
Total funded projects	05
Total funding	10 Lakh

Publications

Item	2024–2025
Total	**10**
Journal articles	3
Abstracts	7
Chapters in books	0
Books	0

PATIENT CARE

Patient care

Item	2024–2025 (Total RO Department)
OPD consultations	21234 consultations - (approximately)
Special clinic consultations	>1500(approximately)
Patients provided rehabilitation services	Palliative RT- 1110 patients
Total inpatient admissions	1706(approximately)

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- SIGNIFICANT EVENTS- Organized AIIMS-NCI Brachytherapy Course-2024 from 9-13 December 2024 at 3rd Floor, Auditorium Hall, National Cancer Institute, AIIMS- 60 participants all across the nation.

Karun Kamboj

1. Faculty Lecture-Outcomes and Toxicity Associated with Re-irradiation in Gynecologic Cancer, Asian Society of Gynaecologic Oncology - ASGO-2024, 28 November 2024-1 December 2024, Bali, Indonesia
2. Faculty Lecture-Moderator as a Discussion on RECTAL CANCER (TNT & NOM), 11th Annual Young Radiation Oncologists Conference (YROC)-2025, 25-26 January 2025, Maduarai, Tamil Nadu
3. Penalist-Molecular Landscapes in Endometrial Cancer, OFCON-2024-2025, 18-19 January 2025, Apollo Hospital New Delhi
4. Video Presentation- Presentation on Vulvar Brachytherapy- Single Institute Experience, AIIMS-NCI Brachytherapy Course-2024, 9-13 December 2024, National Cancer Institute, AIIMS, New Delhi
5. Hands-on Demo of Cervical Cancer Brachytherapy, contouring and Plan Evaluation, AIIMS-NCI Brachytherapy Course-2024, 9-13 December 2024, National Cancer Institute, AIIMS, New Delhi
6. Faculty Lecture-Anesthetic considerations and pre-procedure preparation, AIIMS-NCI Brachytherapy Course-2024, 9-13 December 2024, National Cancer Institute, AIIMS, New Delhi
7. Faculty Lecture-ILRT in Ca Esophagus, AIIMS-NCI Brachytherapy Course-2024, 9-13 December 2024, National Cancer Institute, AIIMS, New Delhi
8. Video Presentation: Venezia- Hybrid Applicator in Ca Cervix- Indications and Utility, AIIMS-NCI Brachytherapy Course-2024, 9-13 December 2024, National Cancer Institute, AIIMS, New Delhi
9. Hands-on Demo of Brachytherapy in Ca Esophagus- ILRT Applicator and Clinical Usage, AIIMS-NCI Brachytherapy Course-2024, 9-13 December 2024, National Cancer Institute, AIIMS, New Delhi

Total number of lectures delivered

Name of faculty	2024–2025
Dr Karun Kamboj	9

- **Kamboj K**, **Abiramasundari V**, **Mallick S**, **Sharma A**, **Izzuddeen YKN**, **Saini SK**, **Das N**, **Ghosh A**, **Kumar N**, **Jha A**, **Sagiraju H**. Digital Poster – *The Nutritional Status Effect: Neoadjuvant chemoradiation toxicity in esophageal cancer*. European Society for Radiotherapy and Oncology (ESTRO-2024), 3–7 May 2024, Glasgow, United Kingdom.
- **Kamboj K**, **Ramdas A**, **Abiramasundari V**, **Mallick S**, **Sharma A**, **Izzuddeen YKN**, **Saini SK**, **Das N**, **Ghosh A**, **Kumar N**, **Jha A**, **Sagiraju H**. Poster Presentation – *Early Clinical Outcomes in patients of node-positive cervical cancer treated with chemoradiotherapy using Simultaneous Integrated Boost–Volumetric Modulated Arc Therapy (SIB-VMAT)*. Young Radiation Oncology Conference 2025, 19–21 January 2024, Madurai, Tamil Nadu.
- **Kamboj K**, **Ramdas A**, **Abiramasundari V**, **Mallick S**, **Sharma A**, **Izzuddeen YKN**, **Saini SK**, **Das N**, **Ghosh A**, **Kumar N**, **Jha A**, **Sagiraju H**. Poster Presentation – *Acute and Long-Term Toxicities in Patients of Node-Positive Cervical Cancer Treated with Chemoradiotherapy Using Simultaneous Integrated Boost–Volumetric Modulated Arc Therapy (SIB-VMAT)*. Young Radiation Oncology Conference 2025, 19–21 January 2024, Madurai, Tamil Nadu.

Total number of oral/poster presentations

Presentation	2024–2025
Oral/poster	3

RESEARCH

Ongoing

1. Stereotactic Body Radiotherapy (SBRT) Boost to pelvic nodes among patients receiving radical chemoradiation in Carcinoma Cervix: A Prospective Phase II Single Arm Pilot Study comparing safety profiles, Dr Karun Kamboj, Intramural, 2 years, 2023-2025, Rs 6.5 lacs

Ongoing

1. Stereotactic Body Radiotherapy (SBRT) Boost versus Simultaneous Integrated Boost (SIB) to pelvic nodes among patients receiving radical chemoradiation in Carcinoma Cervix: A Prospective Phase II Single Arm Pilot Study comparing safety profiles

2. Comparison Of Overall Response To Neoadjuvant Short Course Radiotherapy Followed By Consolidation Chemotherapy With Conventional Long Course Chemoradiotherapy In Locally Advanced Rectal Cancer
3. A Phase II Single Arm Study To Evaluate the Impact Of Stereotactic Ablative Radiotherapy To Oligoprogressive/ Oligorecurrent/ Oligoresidual Sites In Patients With Advanced Breast Cancer.
4. The Hypcon Trial 2:A Phase II Randomized Study Evaluatinghypofractionated Versus Conventional Adjuvant Concurrent Chemo-Radiation Therapy In Head And Neck Malignancies
5. Extended Field bone marrow sparing image guided intensity modulated radiotherapy (BMS IG-IMRT) chemoradiation with dose dense neoadjuvant chemotherapy in carcinoma cervix with paraaortic Lymphadenopathy- A phase II Study
6. A Prospective Study to assess the feasibility of hypofractionated external beam radiotherapy in patients with early and locally advanced carcinoma cervix
7. Consolidation chemotherapy in Locally advanced Carcinoma Cervix: An integrated phase II/III, placebo controlled, randomized controlled trial..
8. Cardiac MRI in the evaluation of Radiotherapy associated Myocardial changes in the patients of Esophageal Carcinoma

Collaborative projects

Ongoing

1. Stereotactic Body Radiotherapy (SBRT) Boost versus Simultaneous Integrated Boost (SIB) to pelvic nodes among patients receiving radical chemoradiation in Carcinoma Cervix: A Prospective Phase II Single Arm Study comparing safety profiles, Medical Oncology, Surgical Oncology, Radiodiagnosis, Nuclear Medicine- NCI Jhajjar and AIIMS, New Delhi.

Research over past 3 years

Research projects	2024–2025
Total funded projects	1
Total funding	Rs 6.5 Lakhs

Publications

Item	2024–2025
Total	**10**
Journal articles	3
Abstracts	7
Chapters in books	0
Books	0

Department of Diagnostic and Interventional Onco-Radiology, NCI, Jhajjar campus, AIIMS New Delhi

Assistant professors

Sanjay Kumar Meena Tej Pal Amit Gupta

Highlights:

Currently, our department comprises three assistant professors (1 regular faculty, 2 on contract post). We are getting active support and guidance from the senior Radiology faculty members from IRCH. We actively participate in the resident teaching program, taking classes and seminars for MD students. Additionally, we organize regular clinico-radiology meetings and disease management group discussions. We provide hands-on experience to senior residents in various non-vascular and vascular interventional procedures such as (TACE), gastrostomy, Vacuum Assisted Mammography Biopsies and MRI guided Breast Biopsies. Furthermore, we are involved in various multidisciplinary trials. Recently, our department has been established as the Department of Diagnostic and Interventional Onco-radiology, and in the near future, we will be offering DM course in Diagnostic and Interventional Onco-radiology.

Education:

- Total Senior Residents in department: 4 to 5 on rotation basis from main Radiology department.
- Providing hands-on experience to residents in various non-vascular and vascular interventional procedures and supervising them.
- Regular clinico-radiological meetings and disease management group discussions.
- Routinely taking classes and seminars for MD students.

Future Plan: To introduce DM course in Diagnostic and Interventional Onco-radiology.

Lectures delivered at CMEs, National and International conferences

Name of faculty member:

Amit Gupta

1. 'Performance of a locally-run context aware chatbot in adhering to ACR pediatric imaging guidelines: A comparative analysis with radiologists and generic large language models', Society of Pediatric Radiology (SPR) 2025, 10 April 2025, USA
2. 'AI in medicine: Present and Future', International Society for Heart Research (ISHR) Indian section 2025:, 22 March 2025, Chennai, India

Total number of lectures delivered

Name of faculty	2022-2023	2023–2024	2024-2025
Dr Amit Gupta	NA	NA	2

Name of faculty member: Dr Sanjay Kumar Meena

Total number of lectures delivered

Name of faculty	2022-2023	2023–2024	2024-2025
Dr Sanjay Kumar Meena	NA	2	0

RESEARCH

Funded projects:

Ongoing

1. A phase II Randomized controlled trial to test impact of two different dose levels of maintenance capecitabine on progression free survival in patients with persistent/recurrent/metastatic cervical cancer not progressing on platinum based chemotherapy, Dr Babita Kataria, Dr Sanjay Kumar Meena, AIIMS, New Delhi, 2 years, 2025-2027, Rs 10 lacs

Collaborative projects

Ongoing Projects:

1. Standardizing sequence of Adjuvant Radiation and Systemic therapy for breast cancer STARS A Phase III randomized controlled trial, Department of Radiation oncology, NCI
2. Metabolic imaging of Neoplastic Liver using 31P MRS, Department of NMR, AIIMS New Delhi
3. Genomic characterization of young onset lung adenocarcinoma in India (YOLA-I study). It has been selected as a recipient of the 2023 LCFA/BMS/IASLC Disparities in Clinical Research Grant, Department of Medical oncology
4. Radiological Pathological Correlation in Image Guided Breast Interventions, Department of Pathology and Surgical Oncology, IRCH
5. ICMR Extramural Small Grant: Acute and Long-Term Impact of Head and Neck Cancer Treatment on Autonomic Function, Department of Otorhinolaryngology and Head Neck Surgery, NCI

6. Impact of neoadjuvant chemotherapy on surgical decision and perioperative outcomes in patient with very advanced buccal cancers, Medical Oncology
7. Correlation of depth of invasion with lymph node metastasis in laryngeal and hypopharyngeal carcinoma, Department of Otorhinolaryngology and Head Neck Surgery, NCI
8. Predictors of clinical outcomes in Adenoid Cystic Carcinoma of Head and Neck: An Ambispective Analysis, Department of Otorhinolaryngology and Head Neck Surgery, NCI
9. Prospective Study On Sentinel Lymph Node Biopsy After Neoadjuvant Treatment of Breast Cancer Using Blue Dye Alone and Retrospective Analysis of Lymphedema Rates After Sentinel Lymph Node Biopsy and Axillary Lymph Node Dissection, Department of Surgical Oncology
10. Impact of sarcopenia on oncological outcomes in oral cavity squamous cell carcinoma patients undergoing surgery- An ambispective study, Department of Otorhinolaryngology and Head Neck Surgery, NCI
11. Comparison of Ga-68 PSMA and conventional staging in triple negative breast cancer (TNBC) patients, Department of Nuclear Medicine
12. A Phase 2 Open label Randomised Controlled Trial Comparing Modified TPF with Docetaxel-Platinum Regimen as Neoadjuvant Chemotherapy in Locally Advanced Resectable Oral Cavity Cancer, Department of Medical Oncology
13. Neoadjuvant chemotherapy using Lenvatinib in locally advanced differentiated thyroid cancer – A phase II open label study, Department of Otorhinolaryngology and Head Neck Surgery, NCI

Completed Projects:

1. IntraglandularBotulinum Toxin (BoNT) Injection for Postoperative Head and Neck Fistula Healing: An Open Label Randomized Controlled Trial, Department of Otorhinolaryngology and Head Neck Surgery, NCI

Publications

Item	2022–2023	2023–2024	2024-2025
Total			7
Journal articles		3	2
Abstracts			
Chapters in books			5
Books			

PATIENT CARE

Item	2022–2023	2023–2024	2024-2025
Image guided biopsies (USG and CT)		1692	1534
CT scans		6586	5209
DRF		166	161
Color doppler		439	386
Mammography		1543	1450
USG		6499	5956
X-rays		21518	22309
Digital substruction angiography (DSA) Including both vascular and nonvascular procedures		459	250
MRI scans		1098	1048
Radiofrequency ablation (RFA)		2	0

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Heidi Patriquin International Fellowship Award 2025 from Society of Paediatric Radiology.
- Organizing committee member in "AIIMS Oncology Conclave 2025- Head and Neck Cancer Symposium" held at NCI and discussed various collaboration ideas with the other AIIMS/INI's faculties.

Department of Surgical oncology, BRA-IRCH, AIIMS, New Delhi

Professor & Head

Sunil Kumar

Professor

Mukurdipi Ray

Associate Professors

Ashutosh Mishra

Sandeep Kumar Bhoriwal

Associate Professor (NCI, Jhajjar)

Jyoti Sharma

Assistant Professor

Babul Bansal

Assistant Professors (NCI, Jhajjar)

Naveen Kumar

Jyoutishman Saikia

Amitabh Mandal

Bittu Bhukkal

HIGHLIGHTS

Department of Surgical Oncology

During the year 2024–2025, the Department of Surgical Oncology made significant contributions in the domains of patient care, education, and research. The department expanded its surgical services at the National Cancer Institute (NCI), introducing advanced and complex oncological procedures as well as comprehensive diagnostic and therapeutic endoscopy services. Faculty members actively participated in cancer awareness, prevention, and registry activities in collaboration with government bodies and NGOs.

A total of **2, 564 complex major cancer surgeries** and **10,236 diagnostic, therapeutic endoscopic, and minor procedures** were performed during the year.

Key Activities and Steps Taken:

1. Successfully performed over 12,800 major and minor cancer surgeries across IRCH and NCI, maintaining morbidity and mortality rates at par with international benchmarks.
2. More than 45,000 OPD consultations.
3. Launched a special initiative to reduce waiting times for common cancer surgeries at AIIMS (IRCH and NCI).
4. Implemented the ERAS (Enhanced Recovery After Surgery) program to optimize hospital stay and resource utilization.
5. Initiated a Departmental Quality Control Program, including regular morbidity and mortality audits and quality metric assessments.
6. Established a structured computerized clinical database, enhancing data collection and research capabilities.
7. Assigned organ-specific databases to residents (M.Ch and non-academic SRs), with mentorship by faculty for research, conference presentations, and publications.
8. Started hybrid teaching programs to facilitate academic connectivity between IRCH and NCI campuses.

9. Initiated multiple RCTs and collaborative research projects with premier institutions such as IIT, ICMR, DBT, and IISc.
10. Organized several national and international academic events.
11. Achieved a high research output with over 50 publications in peer-reviewed high-impact journals and numerous international presentations.

Action Plan for 2025–26:

The department aims to further enhance patient care and academic excellence in the upcoming year through the following initiatives:

- Introduction of emerging surgical technologies including robotic surgery, navigational surgery, and intraoperative radiotherapy (IORT).
- Expansion of tele-oncology services to improve accessibility and continuity of care.
- Continued development of computerized clinical databases and fast-track surgery programs aligned with ERAS protocols.
- Launch of innovative, patient-centric research projects, particularly tailored to Indian cancer patient demographics.

Summary:

The year 2024–25 marked a milestone for the Department of Surgical Oncology, with the highest number of complex oncology procedures performed to date. Through a robust combination of clinical excellence, academic innovation, and research productivity, the department has set new standards in cancer care and remains committed to its mission of delivering world-class oncological services.

EDUCATION

a. Undergraduate teaching: The faculty was involved in undergraduate teaching by giving didactic lectures and by participating/ moderating seminars on oncological topics.

b. Post graduate teaching: The faculty was involved in teaching and training of 17 M.Ch surgical oncology students and 12 surgical oncology senior residents, DM medical oncology residents and MD radiotherapy junior residents by giving didactic lectures, moderating seminars, journal clubs etc. &clinical teaching during ward rounds and in special cancer clinics of IRCH. The faculty acted as guide and co-guide for M.Ch Surgical oncology, DM medical oncology, MD radio diagnosis, MD radiation oncology thesis projects and PhD projects from various dept. of BRA- IRCH & AIIMS. The faculty was also involved in teaching & training of general surgery &dental surgery residents and MCh Breast & Endocrine surgery trainees, M.Ch Gynecology Oncology trainees on rotation.

c. Para clinical teaching/training: The faculty was involved in the teaching of the MSc nursing oncology students.

CMEs/Workshops/Symposia/National and International Conferences

1. AIIMS Surgical Oncology Conclave (ASOCON 2024) - The Department of Surgical Oncology successfully organized AIIMS Surgical Oncology Conclave (ASOCON 2024) aimed at advanced surgical education of young surgeons. (Organising Chairman- Dr Sunil Kumar, Org Sec- Dr Naveen Kumar).
2. Senior resident wet lab minimally Invasive skill training program in Chennai
3. AIIMS Oncology Conclave at NCI

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 115

Sunil Kumar:: 10	**MD Ray: 17**	**Ashutosh Mishra: 50**
Sandeep Kumar Bhoriwal: 3	**Jyoti Sharma: 9**	**Naveen Kumar: 5**
Babul Bansal: 10	**Jyoutishman Saikia: 6**	**Amitabha Mandal: 5**

Sunil Kumar

1. Care pathways in oral cancer, Care pathways in cancer. Punjab State Cancer Control Program, 19 April 2024, Chandigarh
2. Descriptive Research Group recommendations, ICMR NCI (AIIMS) Research priority conference, 7 May 2024, NCI, Jhajjar

3. Advances in Surgical Techniques for the Treatment of Lung Cancers, Homi Bhabha Cancer Conclave 2024, 24 August 2024, New Chandigarh, Punjab
4. Biomolecular research: the real test is when it reaches the last person on the ladder, 5th ICGA conference, 20 September 2024, NII, New Delhi
5. Central thoracic tumors and extended resections, NATCON 2024, 26 September 2024, Bengaluru
6. Similarities and differences in treating the thymic tumors between the East and the West, Asia Pacific Conference on Lung Cancer, 18 October 2024, Hong Kong
7. Lymphadenectomy for esophageal cancer: 3F vs 2F, GI-HPB Surgery: Cancer & Beyond, 29 November 2024, TMC, Kolkata
8. Minimally Invasive Esophagectomy: where we stand now, OFCON 2024-2025, 19 January 2025, Apollo hospital, New Delhi
9. N2 disease in lung cancer, IASO Midterm Conference 2025, 9 February 2025, Puri, Odisha
10. Sub-xiphoid thymectomy, IASO North Zonal Conference 2025, from 21-22 February 2025, AIIMS, Rishikesh

MD Ray

1. Decision making in colorectal surgery, AIIMS Colo-proctology Symposium: 2024, from 25-27 April 2024, AIIMS, New Delhi
2. Comprehensive Care of geriatric patients with multiple comorbidities: A Multi-disciplinary approach, 4th CME of Delhi State Chapter of IAPC Geriatric Palliative Care: Guiding light through life's transitions, 27 April 2024, AIIMS, New Delhi
3. Role of HIPEC in the treatment of Ovarian Cancer: Current Evidence & Future Perspectives, Bhabha Cancer Conclave 2024, from 24-25 August 2024, New Chandigarh, Punjab
4. Partial Penectomy and Groin Dissection: Anatomy, Steps and Video, CME in Surgery 2024 and Annual Day, 4 September 2024, AIIMS, New Delhi
5. Navigating Complexity in Peritoneal Cancer Management: Addressing Complications Through Case-Based Discussions, AIIMS Surgical Oncology Conclave (ASOCON 2024), from 6-7 September 2024, NCI, AIIMS, Jhajjar
6. presented 3 scientific papers: How HIPEC plays a role along with CRS in all settings of advanced Epithelial Ovarian Cancer: A pilot study on genetic point of view, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, from 26-28 September 2024, Lyon, France
7. presented 3 scientific papers: Role of CRS HIPEC in Carcinoma Ovary where we stand today- With our experience from a tertiary referral oncology centre, India, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, from 26-28 September 2024, Lyon, France
8. presented 3 scientific papers: Does Incisional hernia reducible in patients undergoing Cytoreductive Surgery and HIPEC: An observational clinical study from a tertiary oncology center, India, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, from 26-28 September 2024, Lyon, France
9. Peritoneal Mesothelioma: Current Management and Future Directions, CME 2024: Cancer and beyond, 29-30 November 2024, TMC, Kolkata
10. HIPEC - An evolving treatment approach for Peritoneal Surface Malignancies, ICA Webinar: HIPEC Symposium, 04 December 2024, Online
11. Yoga in Cancer Care: Scope, Evidence and Evolution, 11th International Conference, Kaivalyadhama Yoga Institute and Research Centre, from 4-7 December 2024, Lonavala, India
12. HIPEC in Colo-Rectal Malignancies, ONCOVISION 2025 – FUTURE ONCOLOGY, 19 January 2025, R&R hospital, New Delhi
13. Current Status of HIPEC in Colorectal Cancer, OFCON 2024-2025, 19 January 2025, Apollo hospital, New Delhi
14. Video Presentation – SUBDIAPHRAGMATIC PERITONECTOMY - How I do it? IASO Midterm Conference 2025, from 8-10 February 2025, Puri, Odisha
15. Role of HIPEC in Peritoneal Surface Malignancies, IASO North Zonal Conference 2025, from 21-22 February 2025, AIIMS, Rishikesh

16. Life Style Choices in Cancer Prevention, Cancer Screening & Awareness Camp, 16 March 2025, Mehrauli, New Delhi
17. Sentinel Lymph nodes gynaecological cancers: Current status and the way forward, Beyond the Blade: Advancements in Gynae-Oncology, 23 March 2025, Dwarka, New Delhi

Ashutosh Mishra

1. Role of IASO in Global South, SSO Global Partnership Leadership Summit Society of Surgical Oncology, SSO 2025, 26-29 March 2025, Tampa, Florida, USA
2. Panelist- How to avoid and manage complications, Breastanbul 2024, 10-12 October 2024, Istanbul, Turkiye
3. Chairperson & Judge- Award Paper session, Breastanbul 2024, 10-12 October 2024, Istanbul, Turkiye
4. Faculty & Speaker Breast Oncoplasty Workshop- Tips & Tricks, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
5. Speaker- Level 1 Breast Oncoplasty, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
6. Speaker- AI in Breast Cancer, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
7. Video Based Lecture- Autologous Complete Dermal Flap based Pre pectoral implant-based reconstruction, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
8. Chairperson- Management of Early Breast Cancer, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
9. Speaker- Total Peritoneal Peritonectomy- A Girl with Dancing Frock (Video-lecture, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
10. Panelist- Role of Fluorescence in Cancer Surgery, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
11. Panelist- Updates on Ca Esophagus management, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
12. Chairperson- Recent Advances, Innovations, Start-ups, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
13. Chairperson- Strengthening cancer care – role of cancer registry - Dr Prashanth Mathur (keynote lecture), 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
14. Chairperson- Intraoperative complications-robotic esophago-gastric surgery - Dr Arul Immanual (Keynote lecture, International Speaker), 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
15. Speaker- Integration of genomics in routine clinical Practice, 5th Indian Cancer Genomic Atlas Conference, 22 September 2024, Delhi
16. Speaker- Genetic testing & Risk Reducing Surgery- Indian Scenario, ABC of Breast Oncoplasty, Workshop & CME, 19-20 September 2024, IGMC, Shimla
17. Video Lecture- Grisotti Flap, ABC of Breast Oncoplasty, Workshop & CME, 19-20 September 2024, IGMC, Shimla
18. Moderator- Panel LABC, Workshop on Breast Cancer Awareness, 18 October 2024, AIIMS New Delhi
19. Speaker - Rotation Mastopexy, Oncoplastic Breast Surgery Training Workshop, 9-10 November 2024, Ahmedabad
20. Masterclass- SLNB, Oncoplastic Breast Surgery Training Workshop, 9-10 November 2024, Ahmedabad
21. Video lecture- ADM based Implant Recon, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
22. Video lecture- Implant based Breast recon, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
23. Panelist- locally Advanced Breast cancer, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP

24. Moderator- Debate- Is BCS always an option in EBC, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
25. Chairperson- Panel- Melanoma, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
26. Lecture- Surgery in OMBC, Delhi Breast Oncology Group, 7 December 2024, Delhi
27. Video based lecture- Breast Implant, ASOCON 2024- AIIMS Surgical Oncology Conclave 2024, 8 September 2024, Delhi
28. speaker- Metastatic Neck nodes in thyroid cancer, ASI Time- Symposium - Online, September 2024, Delhi
29. Speaker- Surgical Prevention in Various cancers, CME- 6th CME of Indian Association of Palliative care & Oncology Nursing Association, September 2024, Delhi
30. Talk- Chest wall perforator transposition flaps - A new paradigm for Partial Breast Reconstruction, CME- AIIMS Bathinda "World Plastic Surgery Day", 15 July 2024, Bathinda, Punjab
31. Video Lecture- MICAP Flap- Tips and Tricks, Oncoplasty Breast Surgery Training Workshop Module 2, Kolkata, 1-2 February 2025, Kolkata
32. Speaker- Therapeutic Mammoplasty, Oncoplasty Breast Surgery Training Workshop Module 2, Kolkata, 1-2 February 2025, Kolkata
33. Panelist- Management in LABC, Oncoplasty Breast Surgery Training Workshop Module 2, Kolkata, 1-2 February 2025, Kolkata
34. Speaker- Axillary Surgery in 2024 in carcinoma breast: Finding the Balance Between Treatment and Overtreatment, IASO- MIDCON 2025, Puri, 8-10 February 2025, Puri
35. Speaker- Fluorescence Guided surgery In Oncology, IASO- MIDCON 2025, Puri, 8-10 February 2025, Puri
36. Chairperson- Oligometastatic colorectal Cancer, IASO- MIDCON 2025, Puri, 8-10 February 2025, Puri
37. Chairperson- 3-Field Esophagectomy: Striking the Balance Between Necessity and Overtreatment, IASO-MIDCON 2025, Puri, 8-10 February 2025, Puri
38. Speaker- Management of Axilla in Carcinoma Breast- Axillary Dissection, ASI- TIME, 5 February 2025, Webinar
39. Speaker- Fluorescence Imaging in Breast Reconstruction (Deep Dive), Specialized learning opportunity for Surgeons- Lapguru, 2 March 2025, Live Webinar
40. Keynote Lectures- Risk reducing surgery in breast cancer, ABSI-MIDCON 2025, Udaipur, 7-8 March 2025, Udaipur
41. Video Lecture- Implant ADM based breast reconstruction, ABSI-MIDCON 2025, Udaipur, 7-8 March 2025, Udaipur
42. Speaker- ICG in Gynaecological Cancer Management, OFCON 2025- Apollo Hospital, 18 January 2025, Delhi
43. Panelist: management of Penile Carcinoma, Uro-Oncology Update 2024, 23-24 November 2024, AIIMS Delhi
44. Panelist: Future of Breast cancer research in the Survivorship field, AOC 2025: Breast Cancer, 15-16 February 2025, NCI Jhajjar
45. Panelist: "Promoting Empathy and Understanding of Cancer to Reduce Its Impact ", World Cancer Day 2025, AIIMS New Delhi, 2025, Delhi
46. Panelist – From Progress to Practice: Harnessing best approaches in cervical cancer elimination in India, Empowering India towards a Cervical cancer free future, 17 November 2024, Online Webinar
47. Speaker- Management of Axilla SLNB, IASO Mastery of Surgery, 18 February 2025, Online webinar
48. Speaker- Familial & Hereditary Breast Cancer Research Network in India, AIIMS ONCOLOGY CONCLAVE, 2025, Breast Cancer, 15-16 February 2025, NCI Jhajjar
49. Panelist- Head and Neck Cancers in India, AIIMS ONCOLOGY CONCLAVE, 2025, Head and Neck Symposium, 15-16 February 2025, NCI Jhajjar
50. Panelist - "Setting Research Priorities for breast Cancer in India, CMR-NCI National Workshop on Cancer Research Priorities, 2024, May 2024, NCI Jhajjar

Sandeep Kumar Bhoriwal

1. Lapaeoscopic D3 Right Hemicolectomy, NZIASOCON, 21 February 2025, Rishikesh

2. Management of Her 2 Neu Breast cancer, ABSIMIDCON, 07 March 2025, Udaipur
3. Interactive Networking Session, AIIMS Oncology Conclave 2025, 16 March 2025, Jhajjhar

Jyoti Sharma

1. Talk: challenges on, Non extremity and Non abdomen Fibromatosis, Scientific Symposium on Desmoid Tumors, 14 July 2024, AIIMS Delhi
2. Talk: Breast Oncoplasty, CME in General surgery & Annual Day, 2 September 2024, AIIMS Delhi
3. Panelist: Oncoplasty in Breast cancer: How to choose, SELSICON 2024, 17 October 2024, AIIMS Delhi
4. Moderator: Soft tissue sarcoma, IASO, NATCON, 27 September 2023, Bengaluru
5. Panelist: management of Penile Carcinoma, Uro-Oncology Update 2024, 23-24 November 2024, AIIMS Delhi
6. Talk: challenges in ISR, OFCON 2024-2025, 18-19 January Apollo Hospital, Delhi
7. Master Video: SLNB in Indian Set up, IASO MIDCON 2025, 8 February 2025, Puri
8. Moderator: Future of Breast cancer research in the Survivorship field, AOC 2025: Breast Cancer, 15-16 February 2025, NCI Jhajjar
9. Moderator: Young breast cancer, ABSI MIDCON, 7-8 March 2025, Udaipur

Naveen Kumar

1. Navigating the Evolution of Esophagectomy for better patient outcomes – Tips and Tricks-, IASO, NATCON, 27 September 2023, Bengaluru
2. Uniportal surgery: Tips and trics, IASO, NATCON, 27 September 2023, Bengaluru
3. Fluorescence guided surgery, IASO MIDCON 2025, 8 February 2025, Puri
4. Uniportal Segmentectomy, IASO MIDCON 2025, 8 February 2025, Puri
5. Ligasure in Oncology, ABSI MIDCON, 7-8 March 2025, Udaipur

Babul Bansal

1. Panellist: “Navigating Complexity in Peritoneal Cancer Management: Addressing Complications”, ASOCON 2024, NCI Jhajjar, 2024, INDIA
2. Oral Presentation: “Soft Tissue Sarcoma of the Extremities”, Surgery Update 2024, MAMC New Delhi, 2024, INDIA
3. Panellist: “Case-Based Scenario in Palliative Care”, NATCON IASO 2024, Bengaluru, 2024, INDIA
4. Chairperson: Session on Head and Neck Cancer, OFCON 2024, New Delhi, 2024, INDIA
5. Panellist: “Encouraging Healthcare Systems to Provide Personalized Care”, World Cancer Day 2025, AIIMS New Delhi, 2025, INDIA
6. Debate Speaker: “HIPEC vs No HIPEC in Gastric Cancer”, IASO MIDCON 2025, Puri Odisha, 2025, INDIA
7. Oral Presentation: “Continuous Intraoperative Nerve Monitoring”, Workshop on Intraoperative Nerve Monitoring, Max Saket, 2025, INDIA
8. Oral Presentation: “Role of HIPEC in Ovarian Cancer”, ONCO-PULSE 2025, New Delhi, 2025, INDIA
9. Moderator: “Surgical Anatomy for Neck Dissection”, Oncology Forum Academy, Dharamshila Hospital, 2025, INDIA
10. Moderator: “NIFTP” and “Management of Dedifferentiated and Anaplastic Thyroid Cancer”, Oncology Forum Academy, Max Vaishali, 2025, INDIA

Jyoutishman Saikia

1. Panel Discussion-Breast Oncology, ASOCON, NCI AIIMS Jhajjar, 6-7 September 2024, NCI Jhajjar, Haryana
2. Moderator- Case Discussion (Journal Club presentation), NASO Conference, BBCI Guwahati, 19 October 2024, Guwahati, Assam
3. Speaker: Deescalation of axillary surgery in Breast cancer, NASOCON, SCI Guwahati, 7-8 December 2024, Guwahati Assam

4. Panel Discussion: Case based (LABC, Oligometastatic setting), IASO MIDCON, 8-10 February 2024, Puri, Odisha
5. Speaker: Chest wall perforator flaps in partial breast reconstruction -Indications and outcomes, IASONZCON 2025, 21-22 February 2025, Rishikesh, Uttarakhand
6. Panel Discussion: Case based discussion on young breast cancer, ABSI MIDCON, 7-8 March 2025, Udaipur, Rajasthan

Amitabha Mandal

1. Panel discussion - Managing Hepatobilliary Surgical Complications, ASOCON 2024 AIIMS Surgical Oncology Conclave, 6-7 September 2024, New Delhi
2. Video lecture – VATS esophagectomy, CME 2024 GI-HPB Surgery, 29-30 November 2024, Kolkata
3. Panel discussion – Locally advanced gall bladder cancer, IASO MIDCON 2025, 8-10 February 2025, Puri, Odisha
4. Lecture – Local flap in Head & Neck, IASONZCON 2025, 21-22 February 2025, Rishikesh
5. Panel moderation – Recent advances in colorectal PSM, IASONZCON 2025, 21-22 February 2025, Rishikesh

LECTURES DELIVERED OVER LAST THREE YEARS

2021–2022	2022–2023	2023–2024	2024-2025
35	54	72	114

1. Oration: Dr Sunil Kumar, Thoracic Oncology Surgery: the Journey and the Learnings, Surgery CME 2024, 5 September 2024, New Delhi
2. Mishra Ashutosh, Raghuram K, SVS Deo, Sandeep Bhoriwal, Sunil Kumar, "Is Incidental gall bladder cancer in endemic region truly incidental? Long- term oncological outcomes of Incidental gall bladder cancer patients following curative resection" titled (oral paper presentation), International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, ISDS Kitajima Prize session. (Best 4 Abstracts), 27 August 2024, Kuala Lumpur, Malaysia
3. Mishra Ashutosh, Raghuram K, SVS Deo, Sandeep Bhoriwal, Sunil Kumar, Do all the Gall bladder cancer patients with stage IV have similar outcomes? and Prognostic factors affecting the survival of surgically treated Gall bladder cancer patients (oral paper presentation), International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, 27 August 2024, Kuala Lumpur, Malaysia
4. Mishra Ashutosh, SVS Deo, Sunil Kumar, Prospective Study Evaluating Feasibility, Cosmetic Outcomes, Stress, Satisfaction Levels and Quality of Life in Patients Undergoing Risk Reducing Surgery at Tertiary Care Cancer Centre in LMIC" (oral paper presentation), International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, Breast Surgery International (BSI) Free paper Prize Session, 28 August 2024, Kuala Lumpur, Malaysia
5. Mishra Ashutosh, Kumar Amit, Bansal Babul, Kumar Sunil, Surgical and aesthetic outcomes of chest wall perforator transposition flaps in partial breast reconstruction, Society of Surgical Oncology, SSO 2025, Tampa, 26-29 March 2025, Florida USA
6. Mishra Ashutosh, Bhantia Pranjal, Bansal Babul, M D Ray, Feasibility and Accuracy of Sentinel Lymph Node Biopsy (SLNB) in Primary Epithelial Ovarian Cancer (PEOC) (FIGO Stage I-III) - A Prospective Pilot Study, Society of Surgical Oncology, SSO 2025, Tampa, 26-29 March 2025, Florida USA
7. Ray MD, Role of HIPEC in the treatment of Ovarian Cancer: Current Evidence & Future Perspectives, Homi Bhabha Cancer Conclave 2024, 24-25 August 2024, New Chandigarh
8. Ray MD, Partial Penectomy and Groin Dissection: Anatomy, Steps and Video, CME in Surgery 2024, 4 September 2024, AIIMS, New Delhi
9. Ray MD, How HIPEC plays a role along with CRS in all settings of advanced Epithelial Ovarian Cancer: A pilot study on genetic point of view, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, 26-28 September 2024, Lyon, France
10. Ray MD, Role of CRS HIPEC in Carcinoma Ovary where we stand today- With our experience from a tertiary referral oncology centre, India, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, 26-28 September 2024, Lyon, France

11. Ray MD, Does Incisional hernia reducible in patients undergoing Cytoreductive Surgery and HIPEC: An observational clinical study from a tertiary oncology center, India, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, 26-28 September 2024, Lyon, France
12. Ray MD, Peritoneal Mesothelioma: Current Management and Future Directions, CME 2024: Cancer and beyond, 29-30 November 2024, Kolkata
13. Ray MD, HIPEC-An evolving treatment approach for Peritoneal Surface Malignancies, ICA Webinar: HIPEC Symposium, 04 December 2024,
14. Ray MD, Yoga in Cancer Care: Scope, Evidence and Evolution, 11th International Conference, Kaivalyadhama Yoga Institute and Research Centre, 4-7 December 2024, Lonavala
15. Ray MD, HIPEC in Colo-Rectal Malignancies, ONCOVISION 2025 – FUTURE ONCOLOGY, 19 January 2025, New Delhi
16. Ray MD, Current Status of HIPEC in Colorectal Cancer, OFCON 2024-2025, 19 January 2025, New Delhi
17. Ray MD, Video Presentation – SUBDIAPHRAGMATIC PERITONECTOMY - How I do it? IASO Midterm Conference 2025, 8-10 February 2025, Puri
18. Ray MD, Role of HIPEC in Peritoneal Surface Malignancies, IASO North Zonal Conference 2025, 21-22 February 2025, Rishikesh
19. Ray MD, Life Style Choices in Cancer Prevention, Cancer Screening & Awareness Camp, 16 March 2025, New Delhi
20. Ray MD, Sentinel Lymph nodes gynaecological cancers: Current status and the way forward, Beyond the Blade: Advancements in Gynae-Oncology, 23 March 2025, New Delhi
21. Oral paper: Sharma J, Deo SVS, Kumar S, Bhoriwal S, Mishra A, Sharma A, Pathy S, Bhatnagar S, SCRT vs LC CRT in 350 rectal cancer patients: Audit of experience from Indian Tertiary Care Cancer Center, International Surgical Week, 29 August 2024, Kuala lumpur, Malaysia
22. Oral paper: Sharma J, Deo SVS, Kumar S, Bhoriwal S, Mishra A, Thulkar S, Bakhashi S, Sharma DN, STS Data, IASO NATCON, 27 September 2024, Bengaluru
23. Amitabha Mandal, SVS Deo, Sandeep Bhoriwal, Ashutosh Mishra, Jyoti Sharma Jyoutishman Saikia, Chinmay Bagla, How to prepare an Critical analysis of the pattern of recurrences in 5340 breast cancer patients in a tertiary cancer centre in North India, IASO – NATCON 2024, 26-29 September 2024, Bengalure
24. Oral paper, Amitabha Mandal, Sunil Kumar, Naveen Kumar, SVS Deo, Sandeep Bhoriwal, Shivani Kapila, Atul Sharma, Sushmita Pathy, Neo-adjuvant chemotherapy - A Potential treatment option for SCC of the Esophagus in Indian population - RCT conducted at a tertiary cancer centre in North India, IASO – NATCON 2024, 26-29 September 2024, Bengalure
25. Oral paper, Amitabha Mandal, SVS Deo, Sandeep Bhoriwal, Ashutosh Mishra, Jyoti Sharma Jyoutishman Saikia, Chinmay Bagla, Critical analysis of the pattern of recurrences in 5340 breast cancer patients in a tertiary cancer centre in North India, IASO – NATCON 2024, 26-29 September 2024, Bengalure
26. Oral paper, Amitabha Mandal, Raghuram K, Sunil Kumar, SVS Deo, Sandeep Bhoriwal, Long-term survival outcome and prognostic factors affecting the survival of curatively treated gall bladder cancer patients, IHPBA – Kolkata 2025, 20-23 March 2025, Kolkata
27. Oral paper, Amitabha Mandal, Raghuram K, Sunil Kumar, SVS Deo, Sandeep Bhoriwal, Relapse pattern and its management of gall bladder cancer patients following curative resection - An analysis of long term follow up data from single centre, IHPBA – Kolkata 2025, 20-23 March 2025, Kolkata
28. Chinmay Bagla, Ashutosh Mishra, Babul Bansal, Jeena Josephine, Raja Pramanik, SVS Deo, Current Landscape and Challenges of Breast Cancer Genetics at a Tertiary Care Centre in India, IASO NATCON, September 2024, Bangalore,
29. Chinmay Bagla, Ashutosh Mishra, SVS Deo, Sandeep Bhoriwal, Jyoti Sharma, Scope of post NACT SLNB in LABC in Indian patients. Will it de-escalate ALNDs? Analysis of 1998 Indian breast cancer patients, ABSICON 2024, 2-4 August 2024, Lucknow,
30. Bittu Bhukkal, Dr SVS Deo, Dr Sunil Kumar, Dr Sandeep, Dr Manish and Dr Madiwalesh, Oral Presentation: Lymph Node Dissection in Malignancies of Oral Cavity – Are Current Guidelines Optimal? An Analysis of 1926 Cervical Lymph Node Dissections, MAX CANCER CONGRESS:2023, 29 April to April 2023, Delhi

31. Bittu Bhukkal, Dr SVS Deo, Dr Sunil, Dr Sandeep, Dr Naveen, Dr Amitabaha and Dr Chandan, Oral Presentation: Demographic profile, surgical outcome, recurrence pattern, and long-term survival of 123 Gastroesophageal junction tumors from a tertiary cancer care center in North India, 6th OFCON: 2023, 2-3 December:2023, Delhi
32. Bittu Bhukkal, Dr SVS Deo, Dr Sunil Dr Naveen and Dr Amitabaha, Poster Presentation: D2 lymphadenectomy in 199 patients for gastric cancer; A study of feasibility, morbidity, mortality, recurrence pattern and survival, 6th OFCON: 2023, 2-3 December:2023, Delhi
33. Bittu Bhukkal and Prof Dr. MD Ray, e-Poster Presentation: Role Of RPLND in Advanced Ovarian Cancer, 37th NATCON: 2024, 26-29 September 2024, Bengaluru
34. Bittu Bhukkal, Prof Dr SVS Deo, Oral Presentation: Innovative Diagnostics: Assessing Fluorescence Dye and spectroscopy in oral cancer: A Pilot Study, 37th NATCON: 2024, 26-29 September 2024, Bengaluru

List of oral papers/posters presented: 13

1. UICC Technical Fellowship Award 2024, Geneva, Ashutosh Mishra, Breast Cancer surgery focusing on Partial and Whole breast reconstruction. NHS, UK
2. FARIS 2023- Third rank in Fellowship exam, Ashutosh Mishra, Fellow – Association of Robotic and Innovative surgeons of India, India
3. ISDS Kitajima Prize session. (Best 4 Abstracts) International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, Kuala Lumpur, Malaysia, Ashutosh Mishra Sunil Kumar, "Is Incidental gall bladder cancer in endemic region truly incidental? Long- term oncological outcomes of Incidental gall bladder cancer patients following curative resection" titled oral paper presentation, Kuala Lumpur, Malaysia
4. Surg Onc Bowl Competition Runner up, Ashutosh Mishra, SSO 2025, Tampa, Florida
5. IASO -ESSO Fellowship award, Chinmay Bagla, Ashutosh Mishra, Current Landscape and Challenges of Breast Cancer Genetics at a Tertiary Care Centre in India, NATCON, Bangalore, September 2024
6. Best poster award, Chinmay Bagla, Ashutosh Mishra, SVS Deo, Sandeep Bhoriwal, Jyoti Sharma, Scope of post NACT SLNB in LABC in Indian patients. Will it de-escalate ALNDs? Analysis of 1998 Indian breast cancer patients, ABSI, Lucknow, 2024
7. Best Poster Presentation, Meenu Rani Prof MD Ray, Role of CRS + HIPEC in ca ovary where we stand today – with our experience from tertiary refwrral oncology centre, India, ASOCON 2024
8. Oral Presentation, 4th prize, Meenu Rani Prof M D Ray, Role of CRS + HIPEC in ca ovary where we stand today – with our experience from tertiary refwrral oncology centre, India, OFCON 2025, 18-19 January Apollo Hospitals, New Delhi
9. Poster Presentation, Meenu Rani Sandeep Bhoriwal, Shivani Kapila, Gurpreet Singh, Amit Kumar, Sunil Kumar, Comparative analysis of Open Vs Minimally invasive surgery in esophagectomy patients, OFCON 2025, 18-19 January Apollo Hospitals, New Delhi
10. Best Oral Presentation, Meenu Rani Jyoti Sharma, SVS Deo, Sunil Kumar, Jyoutishman Saikia, Sandeep Bhoriwal, Ashutosh Mishra, Pulmonary Metastasis in patients with soft tissue sarcoma – Tailoring the Treatment, MIDCON 2025, 8-10 February, Puri
11. Best Oral Presentation, Meenu Rani, Jyoti Sharma, SVS Deo, Sunil Kumar, Jyoutishman Saikia, Sandeep Bhoriwal, Ashutosh Mishra, A decade of follow up of ypung NSCLC Patients in india.Is it time to rinf alarm ? MIDCON 2025, 8-10 February, Puri
12. Best Paper Award, Dr Bittu Bhukkal, Dr SVS Deo, Dr Sunil, Dr Sandeep, Dr Naveen, Dr Amitabaha and Dr Chandan, Oral Presentation: Demographic profile, surgical outcome, recurrence pattern, and long-term survival of 123 Gastroesophageal junction tumors from a tertiary cancer care center in North India, 6th OFCON: 2023
13. Best Paper Award, Dr Bittu Bhukkal, Prof Dr SVS Deo, Oral Presentation: Innovative Diagnostics: Assessing Fluorescence Dye and spectroscopy in oral cancer: A Pilot Study, 37th NATCON:2024

ORAL/POSTER PRESENTATIONS OVER LAST THREE YEARS

Presentation	2021–2022	2022–2023	2023-2024	2024-2025
Oral/poster	26	54	50	40

Research

Funded

Ongoing

1. A randomized trial comparing neoadjuvant chemotherapy vs upfront surgery and adjuvant chemotherapy for gastric cancer, Dr Sunil Kumar, ICMR, 3 years, 2023-2026, Rs 3 Lakhs
2. Cognitive computing approach based analysis of genomic information in blood plasma for diagnosis and prognostic for cancer, Dr Sunil Kumar, iHub Anubhuti-IIITD, 3 years, 2023-2026, Rs 10.05 Lakhs
3. Design and development of bio-active patient-specific mandible implants for cancer patients, Dr Sunil Kumar, DBT, 18 months, 2024-2026, Rs 12 Lakhs
4. Evaluation of cell free DNA in early detection of pleural spread and assessment of minimal residual disease in plasma among non-small cell lung cancer patients undergoing curative surgical resection, Dr Jyoutishman Saikia, AIIMS Intramural interdepartmental project, 2 years, 2025-2027, Rs 20 Lakhs
5. Hospital Based Cancer Registry, Dr Sunil Kumar, ICMR NCDIR, On yearly renewal basis, 2024-2025, Rs 30 Lakhs
6. Pattern of Recurrence and Clinico-Molecular correlation in Relapsed Epithelial Ovarian Cancer patients undergoing Secondary CRS+ HIPEC, Prof M D Ray, ICMR DHR, 3 years, 2023-2026, Rs 35.68 Lakhs
7. Population Based Cancer Registry in India, Dr Sunil Kumar, ICMR NCDIR, 3 years, 2024-2027, Rs 34 Lakhs
8. Pre operative prediction of ideal volume of surgical resection in breast conservation surgery post neoadjuvant systemic therapy (PREVOL-BCS) using clinical, imaging, histological information and multidimentional analysis among surgically treated breast cancer patients: A pilot study, Dr Jyoutishman Saikia, AIIMS Intramural, 2 years, 2025-2027, Rs 10 Lakhs
9. Study on imaging parameters and metabolomic profiling in breast cancer, Dr Jyoti Sharma, AIIMS, 2 years, 2024-2026, Rs 15 Lakhs

Completed

1. Clinical significance of cell-free DNA in intraoperative pleural lavage fluid and plasma in patients undergoing pulmonary metastasectomy, Sunil Kumar, AIIMS Intramural, 2 years, 2017-2019, Rs 10 Lakhs
2. Evaluation of peri-operative efficacy of Divya-Cystogrit-Diamond capsules as Immunonutrient in patients with Advanced Ovarian Cancer undergoing Cytoreductive Surgery and HIPEC: A Double-blind Randomized Placebo-controlled Pilot study, Prof M D Ray, Patanjali Research Institute, Haridwar, 2 years, 2023-2025, Rs 5.39 Lakhs
3. Gut microbiome dysbiosis in pathogenesis of CRC, Dr Jyoti Sharma, AIIMS, 2 years, 2022-2024, Rs 10 Lakhs
4. Patterns of Care and survival Studies (POCSS) on Gall bladder Cancer (GBC) in Hospital Based Cancer Registries, Dr Sunil Kumar, ICMR NCDIR, 4 years, 2020-2024, Rs 13.75 Lakhs
5. Role of circulating tumour DNA (Ct-DNA) as a surrogate marker in ovarian cancer – A pilot study, Dr Ashutosh Mishra, AIIMS, 2 years, 2021-2024, Rs 10 Lakhs

Departmental projects

Ongoing

1. A comparative prospective clinical observational study in HIPEC vs NIPAC in the management of advanced epithelial ovarian cancer.
2. A Phase II Randomised controlled trial to evaluate the role of oral metronomic chemotherapy followed by surgery vs upfront surgery in patients with operable squamous cell carcinoma of oral cavity
3. A phase II RCT comparing PMMC flap outcomes using conventional and ICG techniques in oral cancer
4. A prospective observational comparative study on effects of prophylactic HIPEC in locally advanced colon cancer
5. A prospective observational comparative study on effects of prophylactic HIPEC in locally advanced colon cancer
6. An open-label, parallel-group randomized controlled trial comparing post-mastectomy prepectoral and subpectoral implant based breast reconstruction in breast cancer patients
7. An open-label, parallel-group randomized controlled trial comparing post-mastectomy pre-pectoral and subpectoral implant-based breast reconstruction in breast cancer patients.

8. Bedside ultrasound to estimate and compare gastric volumes in patients of gynaecological malignancies with other non-gastrointestinal, non-pelvic malignancies – A prospective observational study
9. Comparison of efficacy between chemotherapy and neoadjuvant long course chemotherapy and radiotherapy in rectal adenocarcinoma: a randomised control study
10. Comparison of outcome between Ivor Lewis and Mc Keown's esophagectomy in SCC in lower esophageal cancer – a randomized pilot study
11. Comparison of Outcome of Mckeown verses Ivor Lewis Esophagectomy in Squamous Cell Carcinoma of Lower Esophagus: A Pilot Randomised Control Study
12. Comparison of pet-ct and endobronchial ultrasound with surgical histopathology for mediastinal nodal staging of non-small cell lung cancer in patients undergoing surgery
13. Cytoreductive Surgery and Hipec In Relapsed Epithelial Ovarian Cancer - A Phase Iii Randomised Control Trial And Descriptive Study To Evaluate Effect Of Hipec In Hrd/Brcawt Genomic Profile
14. Feasibility and Accuracy of SLNB In Primary Epithelial Ovarian Cancer (PEOC) (FIGO Stage I-III)- A Prospective Pilot Study And Retrospective analysis to evaluate the prognostic and predictive significance of Ki-67 and p53 in treated primary advanced epithelial ovarian cancer.
15. Feasibility and Accuracy of SLNB In Radiologically Node Negative Primary Epithelial Ovarian Cancer (PEOC) (FIGO Stage I-III)- A Prospective Pilot Study
16. Fluorescence-guided surgery using near-infrared imaging for detection of peritoneal metastasis in patients undergoing cytoreductive surgery in epithelial ovarian cancer – a feasibility study
17. Neoadjuvant FOLFIRINOX vs Long Coure chemoradiotherapy in non-metastatic resectable carcinoma rectum – a RCT
18. Neoadjuvant Short Course Radiotherapy in Combination with Chemotherapy for Squamous Cell Carcinoma of Esophagus: A Single Arm Phase II Pilot Study
19. Neoadjuvant short course radiotherapy in combination with chemotherapy for squamous cell carcinoma of Esophagus: A single arm phase II pilot study
20. Prospective study on sentinel lymph node biopsy after neoadjuvant treatment of breast cancer using blue dye alone And Retrospective analysis of lymphedema rates after sentinel lymph node biopsy and axillary lymph node dissection
21. Role of circulating tumour DNA (Ct-DNA) as a surrogate marker in ovarian cancer – A pilot study.

Completed

1. A Phase II Randomised controlled trial comparing pectoralis major myocutaneous flap using conventional and Indocyanine green angiography technique in oral cancer
2. A Phase II Randomised controlled trial comparing pulmonary complications in retrosternal vs posterior mediastinal gastric conduit placement in patients undergoing Esophagectomy
3. A pilot study to assess role of preoperative chemoradiotherapy in locally advanced / recurrent extremity soft tissue sarcoma & audit of soft tissue sarcoma database.
4. A Prospective study on microbiome dynamics and gut dysbiosis in early onset colorectal cancer patients and A prospective study on critical anatomical evaluation of sphincter complex in low and mid rectal cancer patients
5. A study evaluating MIS for of colorectal cancer patients and learning basic laboratory techniques of molecular biology for miRNA extraction in colon and rectal cancer patients
6. Ambispective study comparing perioperative outcomes between Hyperthermic Intraperitoneal Chemotherapy (HIPEC) and Early Postoperative Intraperitoneal Chemotherapy (EPIC) with audit and analysis of Peritoneal Surface Malignancy Database
7. Ambispective study comparing perioperative outcomes between Hyperthermic Intraperitoneal Chemotherapy (HIPEC) and Early Postoperative Intraperitoneal Chemotherapy (EPIC) with audit and analysis of peritoneal surface malignancy database.
8. Comparison of efficacy between neoadjuvant chemotherapy and neoadjuvant concurrent chemoradiation in squamous cell carcinoma esophagus: A Pilot Randomised Control Study
9. Evaluation of cell free DNA in early detection of pleural spread and assessment of minimal residual disease in plasma among non-small cell lung cancer patients undergoing curative surgical resection

10. Feasibility and Accuracy of SLNB In Radiologically Node Negative Primary Advanced Epithelial Ovarian Cancer (PAEOC) (FIGO Stage II-III)- A Prospective Pilot Study And Retrospective analysis to evaluate the prognostic and predictive significance of Ki-67 and p53 in treated primary advanced epithelial ovarian cancer.
11. Feasibility study of indocyanine green fluorescence dye for intraoperative assessment of gastric or colonic conduit perfusion in oesophageal cancer surgeries – a prospective validation studyand update and analysis of hepatobiliary and pancreatic cancer database
12. Functional recovery and return to work after Thoracic surgery in patients with Malignant thoracic Diseases: A Prospective study
13. Nomogram for predicting health related quality of life in esophageal cancer patients after esophagectomy
14. Pilot study to evaluate the role of Toluidine Blue Dye and Narrow Band Imaging for assessment of malignant and potentially malignant disorders in oral cavity and update and analysis of Oral Cancer Database
15. Prospective study of in person versus online cancer genetic counseling And Ambispective evaluation of patients undergoing risk reducing surgery.
16. Prospective study on the expression of cancer-testis antigen (CT45) in the patients of advanced epithelial ovarian cancer undergoing Hyperthermic Intraperitoneal Chemotherapy and its correlation with response to platinum based chemotherapy
17. The feasibility of implementation and compliance of "enhanced recovery after surgery (ERAS)" protocol in cytoreductive surgery (CRS) with Hyperthermic intraperitoneal chemotherapy (HIPEC) at a tertiary care centre - a prospective cohort study and audit and analysis of ovarian cancer database.
18. The prevalence of BRCAness related somatic mutations in uterine leiomyosarcoma

Collaborative projects

Ongoing

1. A single arm phase II study of single agent Pemetrexed in Platinum Resistant/Refractory Epithelial Ovarian or Primary Peritoneal Cancer, Department of Medical Oncology, Dr BRA IRCH, AIIMS, New Delhi
2. An integrated metabolomics and lipidomics approach for identifying biomarkers for early diagnosis and histological subtyping of the Non-small cell lung cancer, Department of NMR, AIIMS New Delhi
3. Artificial intelligence in Oncology: Harnessing big data and advanced computing to provide personalised diagnosis and treatment for Cancer patients, Department of Bio-Chemistry. AIIMS, New Delhi
4. "Building Biobanks, Identifying Biomarkers, Determining Metabolic Targets, and Developing Therapeutic Platforms for the Management of Colon Cancer in India through Precision Medicine", Regional Center for Biotechnology, Faridabad
5. Building Biobanks, Identifying Biomarkers, Determining Metabolic Targets, and Developing Therapeutic Platforms for the Management of Colorectal (CRC) Cancer in India through Precision Medicine, Regional Centre For Biotechnology, Faridabad
6. CAPE-CERV Trial – Capecitabine Maintenance in Metastatic Cervical Cancer, Medical Oncology
7. Clinical profile and outcomes in patients with carcinoma penis and evaluation of Health-related quality of life (HRQoL) in survivors, Department of Medical Oncology, AIIMS, New Delhi
8. DBT NCI-AIIMS Translational Cancer Research Centre (Phase-1), Biochemistry
9. Developing DdpMPyPEPhU as a breast cancer using AI-guided enumeration-based optimisation, synthesis and preclinical evaluation in PDX model multitargeted drug for, ICMR
10. Development of microRNA-based biomarkers for ovarian cancer, Department of Reproductive Biology, AIIMS, New Delhi
11. Elucidating the therapeutic role of docetaxel-loaded-HSP70 peptide complex in PDX Mouse Model, ICMR
12. Establishing a registry and germline repository of breast and ovarian cancers with hereditary predisposition, Department of Medical Oncology, AIIMS, New Delhi
13. Establishment of Registry and Germline DNA Repository for Breast and Ovarian Cancers with Hereditary Predisposition at AIIMS, New Delhi, Medical Oncology
14. Evaluation of low dose Nivolumab with neoadjuvant chemotherapy in non-small cell lung cancer: A phase II open label randomised clinical trial (ELON, Department of Medical Oncology, AIIMS, New Delhi

15. Exploring the Efficacy of Intermittent Fasting with Time-Restricted Eating (TRE) on Survival in Gynecological Cancers, Medical Oncology
16. Finding novel diagnostic and prognostic biomarkers in ovarian cancer, Department of Lab Oncology, Dr BRA IRCH, AIIMS, New Delhi
17. Histopthological, immunohistochemical and molecular study of appendiceal epithelial neoplasms, Department of Pathology, AIIMS New Delhi
18. Homologous Recombination Deficiency in Carcinoma Ovary – Analysis of Real-World Data, Medical Oncology
19. Implementation study to improve survival in stage II Breast cancer, ICMR
20. Molecular Mechanism of Cancer-Testis/Germline Antigen POTEB/B2 in Ovarian Cancer, Biochemistry
21. Oral Metronomic Therapy (OMT) vs Physician's Choice Chemotherapy in Platinum-Resistant Advanced Ovarian Cancer, Medical Oncology
22. Phase -II proposal submitted entitled "Design and development of bio-active patient-specific mandible implants for cancer patients, Department of Mechanical Engineering Indian Institute of Technology, Delhi
23. PLANET Trial, Medical Oncology
24. Post-operative intraperitoneal chemotherapy after interval cytoreduction in epithelial ovarian cancer (POICE 2024): multicenter, randomized, phase III trial, Department of Medical Oncology, JIPMER, Puducherry
25. Preoperative Prediction of Ideal Volume of Surgical Resection in Breast Conserving Surgery (PREVOL-BCS),
26. Retrospective analysis to study clinico-pathological aspects of Adrenocortical carcinoma and their outcome in Indian patients as tertiary cancer centre, Department of Medical Oncology, AIIMS, New Delhi
27. Role of R2Tp Complex in Thyroid Cancer, Biochemistry
28. Role of Tel2 in Thyroid Cancer, Biochemistry
29. To determine the role of differentially expressed micro-RNAS and their protein targets present in the tumour site of pancreatic cancer patients, Department of Biotechnology, AIIMS New Delhi
30. Tumor Immune Microenvironment of Follicular Cell-Derived Thyroid Carcinomas, Pathology
31. Utilizing comprehensive genomic and immune profiling in gynaecological adenocarcinomas for developing pragmatic management strategies, Department of Pathology, AIIMS, New Delhi

Completed

1. A Phase II randomized controlled trial to evaluate the role of oral metronomic chemotherapy followed by surgery vs upfront surgery in patients with operable squamous cell carcinoma of oral cavity and a descriptive study to determine the role of p53 as a biomarker to predict chemotherapeutic response for oral metronomic therapy with analysis of oral cavity cancer patient database, Department of Surgical Oncology, AIIMS, New Delhi
2. Assessment of cell free DNAS (cf-DNA) as a biomarker in common gastrointestinal track cancers, Department of Medical Oncology, Dr BRA IRCH, AIIMS, New Delhi
3. Comparison of analgesic efficacy of Ultrasound guided thoracic Paravertebral block versus surgeon guided Serratus Anterior Plane block for acute postoperative pain in patients undergoing thoracotomy for lung surgery-A prospective randomized study, Department of Onco-Anesthesia
4. Immunotherapeutic potential of novel Prostate Ovary Testis Embryo (POTE) Antigen in Ovarian Cancer, Department of Bio-Chemistry. AIIMS, New Delhi
5. Outcomes of Metastatic Colorectal cancers over 15 years- experience from tertiary care centre, Department of Medical Oncology
6. Role of Cancer Testis Antigen gene (CT45) as a diagnostic and prognostic biomarker in Primary Ovarian Cancer, Lab Oncology Unit, Dr BRA IRCH, AIIMS, New Delhi
7. The prevalence of BRCAness related somatic mutations in uterine leiomyosarcoma, Department of Medical Oncology, Dr BRA IRCH, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2020–2021	2021–2022	2022–2023	2023–2024	2024-25
Total funded projects	3	11	11	10	18
Total funding	Rs 221.15 Lakhs	Rs 165.90 Lakhs	Rs. 249.90 Lakhs	Rs 215.42 Lakhs	Rs 139.73 Lakhs

Publications

Item	2021–2022	2022–2023	2023-2024	2024-2025
Journal articles	27	33	44	56
Chapters in books	2	1	8	3
Books	1	7	1	1
Abstracts			4	8
Total	30	41	57	68

PATIENT CARE

Facilities available in the Department:

1. Inpatient Beds 45 (BRA-IRCH) & 64 (NCI)
2. Major Operation theaters – 4 (IRCH) & 3 (NCI)
3. Endoscopy and Minor OT Complex – 1 each at IRCH and NCI
4. MDT Organ Based Special Clinics and OPDs (10 each at IRCH and NCI).

Special Advanced Oncology Programs

1. Robotic Surgery Program
2. Oncoplasty and Reconstructive Oncology program
3. Thoracic oncology clinic
4. Hepato-biliary and pancreatic clinic
5. Peritoneal Surface Malignancy & HIPEC program.
6. Minimally Invasive Surgical Oncology Program
7. Cancer Genetics and Risk reducing Surgery Program
8. Palliative Surgical Oncology Program

Census (Patient care Services)

Item	2023-2024		
	IRCH	NCI	Total
OPD consultations	28363	17254	45617
Total Number of Major Surgeries	1523	1041	2564
Total number of endoscopies & Minor surgeries/ Procedures	8215	2021	10236

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Ashutosh Mishra elected as National Representative – EYSAC European Society of Surgical oncology. Appointed as Member Scientific Committee- Society of Surgical Oncology, USA. elected as Editorial Secretary, Indian Association of Surgical Oncology (2024-2025). Elected as Digital Secretary, Indian Association of Surgical Oncology (2024-2025).

Elected as Director of Education, Association of Breast Surgeons of India. Elected as Treasurer and UICC Coordinator, Oncology Forum, Delhi. Elected as Board of Directors- Breastics 24. Participated as invited guest in SSO Global partners Leaders Summit, Tampa, Florida.

Dr Jyoti Sharma invited as Section Editor in Indian Journal of Surgical Oncology. Organizing secretary of AIIMS Oncology Conclave, NCI held on February 15-16 2025 at NCI

Dr Jyoutishman Saikia- Organizing Committee, ASOCON 2024 AIIMS Surgical Oncology Conclave, 6-7 September 2024. Organizing Committee, AOC 2025 – AIIMS Oncology Conclave, 15-16 February 2025, New Delhi.

Dr Naveen Kumar - Fellow of American college of surgeon(FACS). Fellowship in robotic and innovative surgery(FARIS). Elected as Executive member, Delhi oncology Forum. Elected as Executive member, Communication Committee.

Dr Babul Bansal elected as Executive member, Delhi oncology Forum.

Community Service

Dr Sunil Kumar is providing free cancer care services and student awareness for Cancer in Bihar & Jharkhand through an NGO, Chandrakanti Devi Cancer Foundation.

Transfusion Medicine, NCI, Jhajjar

Associate Professor

Diptiranjan Rout

HIGHLIGHTS

The centre is committed to promoting voluntary blood donations to ensure safe blood for all. Over the past year, the centre has conducted 336 outdoor voluntary blood donation drives with an average of 47+ voluntary blood donations per day, rendering replacement donation free transfusion services at NCI for all the cancer patients. To encourage the community support for fostering our commitment, the centre felicitated 7 of our esteemed

voluntary blood donor organisers on the 6th NCI Foundation Day on 12 February 2025.



EDUCATION

1. Postgraduate teaching for MD (Transfusion Medicine) students.
2. Diptiranjan Rout
    1. Automation – A vehicle to enhance quality in component production? 12th Transmedcon 2024, 27-29 September 2024, Chennai

Total number of lectures delivered.

2022–2023	2023–2024	2024–2025
3	**2**	**1**

List of oral papers/posters presented: 2

1. Rout Diptiranjan TMCC-ABS-POSTER-68: Financial feasibility assessment of adoption of walk away automation for blood component separation, 12th Transmedcon 2024, 27-29 September 2024, Chennai
2. Rout Diptiranjan, e-Poster: Innovations of Transfusion (IoT) Care by Internet of Things (IoT) in Healthcare, Workshop On Emerging Technologies For Health Care, 22 October 2024

Total number of oral/poster presentations:

2022–2023	2023–2024	2024–2025
4	2	3

RESEARCH

Funded projects

Departmental projects (including thesis/dissertations)

Ongoing

1. Assessment of platelet storage lesion and aggregability of platelets derived from euglycemic healthy diabetic blood donors.

Collaborative projects

Ongoing

1. Molecular insights into the tumor niche of Indian triple negative Breast cancer patients and map genes associated with local, regional, and systemic disease progression. Radiation Oncology
2. The SWOAR Trial: A Phase III trial evaluating sparing of swallowing and aspiration related organs at risk and submandibular gland with Intensity modulated radiotherapy versus standard IMRT in Head and neck squamous cell carcinomas. Radiation Oncology

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funding	0	0	0

PUBLICATIONS

PATIENT CARE

Facilities available in the department (including special clinics and/or special laboratory facilities) The centre provides round-the-clock transfusion services to all the patients with leukoreduced blood components as a standard of care. Following are the routine facilities available at the centre:

1. Walk-in voluntary donation facility.
2. Mobile Blood donation van for outdoor donation drives.
3. 24x7 blood component issue facility.
4. Automated Blood Component Separation facility.
5. Automated Immunohaematology by serology and advanced molecular techniques.
6. Automated Infection screening facility by serology and molecular techniques.
7. Quality control facility for blood components.
8. Walk-in Cold storage facility (4°C and -30°C) for blood components.
9. Irradiation facility (100% irradiated platelets and need based irradiated cellular products). 10. Clinically significant rare blood group antigen typing facility.

Community services/camps, etc.

The centre is driven forward with thmission to ensure "Safe Blood For All". The centre conducts numerous voluntary donation drives in collaboration with various local organisation and social workers to collect blood units through voluntary activities. The last few years have witnessed a surge in the number of such drives, thus, facilitating better and safer transfusion services to all the cancer patients in NCI.

Item	2022-23	2023-24	2024-25
Camps conducted	187	320	336

Patient care

Item	2022-23	2023-24	2024-25
Total Donations	11391	20219	15888
Voluntary Donations	10711 (94.03%)	20183 (99.82%)	15673 (98.64%)
Replacement Donations	680 (5.97%)	36 (0.18%)	215 (1.35%)
Total crossmatches and Issues	16949	29521	26916
Total patients catered	2681	3176	2397
Blood Components prepared and discards			
LR-PRBC + FFP + PC	34173	60657	47664
Surplus plasma supply for fractionation	2005.7 Liters	2852.7 Liters	1485.17
Total unit discard (Reactive units) (%)	422 (3.70)	867 (4.28)	652 (4.12)
Total unit discard (Under collected units) (%)	119 (1.04)	171 (0.84)	112 (0.7)
Total component discard (RCC/ Lipemia) (%)	109 (0.31)	221 (0.35)	226 (0.47)
Total component discard (Leak/ Break) (%)	62 (0.17)	108 (0.17)	60 (0.12)
Total component discard (Expiry) (%)	18 (0.05)	19 (0.03)	0 (0)
Transfusion Transmissible Infection (HIV, HBV, HCV, Syphilis, Malaria) Screening Tests			
Chemiluminescence	56955	101095	79440
NAT	34173	60657	47664
HIV (%)	27 (0.23)	90 (0.44)	66 (0.41)
HBV (%)	132 (1.15)	271 (1.34)	219 (1.37)
HCV (%)	114 (1.00)	183 (0.90)	154 (0.96)
Syphilis (%)	134 (1.17)	269 (1.33)	217 (1.36)
Malaria (%)	0 (0)	0 (0)	1 (0.00)
NAT Reactive (%)	15 (0.13)	53 (0.26)	143 (0.9)
Immunohaematology (Routine-Advanced-Molecular)			
ABO Blood grouping, Antibody Screening for donors	22782	40438	31776
ABO Blood grouping, Antibody Screening for patients	12600	16066	21987
Antibody Screening of patients	3745	6419	9551

Leucocytic antigen typing by SSOP method	0	70	210
Molecular resolution of Blood group discrepancy	0	14	7

AWARDS, HONOURS AND SIGNIFICANT EVENTS

None

VISITING SCIENTIST

None

Department of Urology

Professor and Head

Amlesh Seth

Assistant Professors

Sridhar P

Prashant Singh

HIGHLIGHTS

The Urology Department at the NCI Jhajjar campus offers comprehensive cancer care for patients with genitourinary malignancies. The department currently comprises two faculty members and operates two outpatient clinics every week (Wednesdays and Fridays). Additionally, two dedicated uro-oncology operating theatres are functional each week. The department has significantly expanded its clinical capabilities by successfully performing several advanced procedures, including the first radical nephrectomy with IVC thrombectomy, laparoscopic radical cystectomy with urinary diversion, and sentinel lymph node dissection using dual dyes (fluorescent and methylene blue) for renal cell carcinoma, muscle-invasive bladder cancer, and penile cancer, respectively.

EDUCATION

The faculty members of the department actively participated in Continuing Medical Education programs, symposia, national and international conferences throughout the year, where they delivered lectures and shared their expertise. In addition, the faculty conducted lectures for undergraduate and nursing students (BSc and MSc). M.Ch (19 students) and fellowship trainees (3 fellows) from the main department at AIIMS, New Delhi, were posted at the NCI Jhajjar campus on a monthly rotational basis, where they received hands-on training in various aspects of uro-oncology. The M.Ch students and Fellows actively participated in group discussions conducted via Google Classroom cloud-based platform, where various nuances of uro-oncological procedures, urological cancer guideline updates, and recent clinical trials were regularly discussed.

CMEs/Workshops/Symposia/National and International Conferences

Sridhar P

1. Panelist: Case-based discussion on prostate cancer: solving dilemmas, Oncocon, 24 April 2024, Ghaziabad
2. Convener: Resident Quiz, GU-Oncocon, 26 October 2024, New Delhi
3. Panelist: Biochemical recurrence and non-metastatic CPRC management: Current arenas of interest, Uro-oncology Update 2024, 24 November 2024, New Delhi
4. Convener: Resident Quiz, Uro-oncology Update 2024, 24 November 2024, New Delhi
5. Debate: Bridging the gaps session – 'Guidelines - need to be followed - best for patient', NZUSICON 2024, 30 November 2024, Gurugram
6. RCC: Guideline update, NZUSICON 2024, 30 November 2024, Gurugram

Prashant Singh

1. Moderator: Resident Quiz, GU-Oncocon, 26 October 2024, New Delhi
2. Oligometastatic prostate cancer: A shrinking subset or an opportunity for cure, NZUSICON 2024, 30 November 2024, Gurugram
3. Chaired: Penile cancer session, NZUSICON 2024, 30 November 2024, Gurugram

LECTURES DELIVERED OVER LAST TWO YEARS

2023-24	2024-25
5	9

List of oral papers/posters presented

1. Singh P, Joseph C, Arulraj K, Panaiyadiyan S, Kaushal S, Seth A, Giant Renal Oncocytoma – A rare case report, SLAUS - 2024, 13 November 2024, Colombo, Sri Lanka
2. GA Toshib, Syed Masood Faisal, P Sridhar, Nayak B, Robot assisted RPLND of post-chemotherapy residual retroperitoneal lymph nodes of testicular NSGCT, USICON 2025, 9-12 January 2025, Chennai

RESEARCH

Departmental projects

Ongoing

1. Prediction of bladder cancer histopathology by surgeon during TURBT and its correlation with imaging and final histopathology
2. Outcome of guideline directed pre-operative prophylactic single dose/day vs extended prophylactic antibiotics for urological surgeries: A Randomized controlled study
3. Lymphorrhea after lymphatic ligation with titanium clips versus ultrasonic dissector during radical cystectomy: A prospective, double-blinded, randomized trial
4. Impact of 24 hours vs prolonged antibiotic prophylaxis on postoperative complications following radical cystectomy: A randomized clinical trial
5. Impact of avoiding Restage TURBT in non-muscle invasive bladder tutors - a randomised controlled trial
6. Assessing the efficacy of ICG fluorescence, fluorescein and methylene blue dye guided dynamic sentinel lymph node biopsy in patients with carcinoma penis: A prospective observational study

Collaborative projects

Ongoing

1. RCT Evaluating Cystectomy with Perioperative Pembrolizumab and Cystectomy with Perioperative Enfortumab Vedotin and Pembrolizumab versus Cystectomy Alone in Participants who are Cisplatin- Ineligible or Decline Cisplatin with Muscle-Invasive Bladder Cancer (KEYNOTE-905/EV-303), Medical Oncology, BRAIRCH, AIIMS, New Delhi
2. An investigator-initiated, open-labeled, randomized controlled trial of recombinant human platelet-derived growth factor for prevention of multikinase inhibitor-associated hand-foot skin reaction, Medical Oncology, BRAIRCH, AIIMS, New Delhi
3. Understanding the role of circular RNAs in prostate cancer progression, Reproductive Biology, AIIMS, New Delhi

PUBLICATIONS

Item	2023-2024	2024-2025
Total	**12**	**7**
Journal articles	8	5
Abstracts	1	-
Chapters in books	2	2
Books	1	-

PATIENT CARE:

	2022-23	2023-24	2024-25
OPD, New Cases	328	481	493
OPD, Old cases	630	1988	3327

Ward admissions	-	394	531
Ward Discharges	-	397	523
Total OT Surgical procedures	412	328	449

Details of NCI Jhajjar OT Surgical Procedures: 449

***Open surgery*: 74**

Radical cystectomy	27	Radical or cytoreductive nephrectomy	7
Radical cystectomy with nephroureterectomy	3	Radical nephrectomy with IVC thrombectomy	1
Partial cystectomy	1	Partial Nephrectomy	1
Salvage cystectomy	-	Radical Nephroureterectomy	-
Ilioinguinal lymph node dissection	5	RPLND	-
High Inguinal Orchiectomy	7	Total /radical penectomy	1
Circumcision/wedge biopsy	2	Partial Penectomy	7
Bilateral orchidectomy	9	Others	3

***Laparoscopic*: 5**

Radical nephrectomy	3
Radical nephroureterectomy	1
Radical cystectomy + nephrectomy + ureterostomy	1

***Endourology*: 369**

TURBT	163
Channel TURP	3
CPE / Clot evacuation / DJ stenting / DJ removal / Others	203

Prostate Biopsy: 1

Finger guided	1
USG guided	-

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Sridhar P

1. Member - Urology subject expert committee to frame SOP for medical treatment of Transgender Persons under DGHS
2. Served as a site visit expert - for the SBIRI scheme of the Department of Biotechnology, Ministry of Science & Technology, implemented under the BIRAC

9.22 Nephrology

Professor and Head

Dipankar Madhusudhan Bhowmik

Professors

Sandeep Mahajan

Soumita Kamal Kumar Bagchi

Additional Professor

Raj Kumar Yadav

Associate Professor

Arun Kumar Subbiah

HIGHLIGHTS

The department provides comprehensive nephrology services, including cost-effective renal transplantation. ABO-incompatible transplants are routinely performed. Transplant recipients receive free immunosuppressive drug level monitoring and infection surveillance. Around-the-clock haemodialysis is offered at nominal rates and is free for patients below the poverty line. Bedside dialysis is available across hospital departments, including the Trauma Centre and other AIIMS blocks.

A renal bio-repository is maintained to support research in primary glomerular diseases and chronic kidney disease. Faculty members contribute actively to national policy-making on CKD, dialysis, and transplantation. The department also runs an interventional nephrology program focused on vascular and peritoneal access, and is recognized by the International Society of Nephrology as a training center for nephrology fellows.

The department hosted the annual Delhi Nephrology Society update at the JNU Auditorium, AIIMS, drawing wide participation from nephrologists and trainees across Delhi NCR, along with distinguished national and international faculty. It also co-organized the AIIMS Mayo Clinic Update in Kidney Disease & Transplant with the Mayo Clinic College of Medicine, which received broad acclaim from faculty nationwide. We organized the inaugural AIIMS Interventional Nephrology Workshop on 28–29 September 2025, which saw enthusiastic participation from nephrologists across India.

EDUCATION

Long-term training

The department administers the DM Nephrology program, a three-year degree course designed for post MD/DNB (Medicine and Pediatric) candidates. Selection for this program is based on merit through the All India Entrance Examination conducted by AIIMS. The department also organizes examinations for other AIIMS-like institutions including interviews for entrance examination. Nine candidates were enrolled in the DM Nephrology course at AIIMS, New Delhi during this period. Additionally, residents from the departments of pediatric nephrology and pathology frequently participate in training courses in Nephropathology. Each semester, the department accommodates two to three non-academic junior residents for a maximum duration of 6 months each.

Short-term training

The department is providing short-term training for following:

1. Postgraduates from the department of Internal Medicine, Geriatric Medicine, Emergency Medicine, Urology, Anesthesia, Infectious disease, Critical Care Medicine & Transfusion Medicine are posted on rotational basis for a variable period of few weeks to few months.
2. Our center has been selected as International Intervention Nephrology Center by the International Society of Nephrology. We have trained nephrologists from Nigeria and Burma under this program.

CMEs/Workshops/Symposia/National and International Conferences

- The department organized the annual Delhi Nephrology Society Update at the JNU Auditorium, AIIMS on 7th April 2024, which witnessed strong participation from nephrologists and trainees across Delhi NCR, along with eminent national and international faculty.

- We organized the inaugural AIIMS Interventional Nephrology Workshop on 28–29 September 2025, which saw enthusiastic participation from nephrologists across India.
- We co-hosted the AIIMS Mayo Clinic Update in Kidney Disease & Transplant in collaboration with the Mayo Clinic College of Medicine on 7-8 December 2024, an event that was widely appreciated by faculty from across the country.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 37

Dipankar Madhusudhan Bhowmik: 10 **Sandeep Mahajan: 11** **Soumita Bagchi: 2**

Raj Kumar Yadav: 6 **Arunkumar Subbiah: 8**

Dipankar Madhusudhan Bhowmik

1. Pre-Transplant management, NOTTO Transplant Coordinator Training Course, 27 June 2024, Delhi
2. Immune and non-immune barriers in xenotransplantation, Annual Conference of Indian Society, Nephrology East Zone, 02 August 2024, Kolkata
3. Approaches to maximise time on peritoneal dialysis, Annual Conference of Peritoneal Dialysis Society of India 2024, 05 October 2024, Guwahati
4. Diabetic kidney disease: Current perspectives and Practices, Symbiosis University Hospital and Research Centre, 07 November 2024, Pune
5. Xenotransplantation: Current Status, Hypertension Conclave, 09 November 2024, Kolhapur
6. IgA Nephropathy: Nephrology Perspectives, AIIMS Mayo Clinic Update in Kidney Diseases and Transplantation 2024, 08 December 2024, Delhi
7. How I treat lupus nephritis in 2025, 80th Annual Conference of Association of Physicians of India, 23 December 2024, Kolkata
8. Kidney Awareness, 3rd Awareness Summit on Illness to Wellness, 22 March 2025, Delhi
9. Surveillance strategies for an allograft, Annual meeting of Transplantation Immunology Simplified and Solid Organ Transplant Infestations, 29 March 2025, Mumbai
10. Sayaji Dialogues, Nephrology Update 2025, 30 March 2025, Vadodara

Sandeep Mahajan

1. AKI related to cancer immunotherapy-How to manage?, Foundation Day Celebration of the Department of Nephrology SGPGI, 12 May 2024, Lucknow
2. Tips & tricks of PD catheter insertion, AVATAR India Society Conference 2024, 14 July 2024, Bengaluru
3. Recent advances in management of diabetic kidney disease, 3rd Cardiometabolic syndrome, 11 August 2024, Chennai
4. PD in India, 25th Annual Conference of Peritoneal Dialysis of India, 5 October 2024, Guwahati
5. Incremental Peritoneal Dialysis, Annual Conference of the Sri Lankan Society of Nephrology, 22 November 2024, Colombo
6. Achieving targets in PD, Annual Conference of Madurai Nephrology Club, 14 December 2024, Madurai
7. Emerging therapies in complement mediated renal diseases, AIIMS MAYO Clinic Update in Kidney Diseases & Transplant, 08 December 2024, Delhi
8. What is a pragmatic approach toward HDF in a resource limited setting?, World Congress of Nephrology 2025, 7 February 2025, Delhi
9. Status of PD in India, World Congress of Nephrology 2025, 8 February 2025, Delhi
10. Pregnancy and kidney diseases, 5th Annual Conference of the Nepal Society of Nephrology, March 2025, Kathmandu
11. Muscle wasting in CKD-How to manage?, Annual Conference of Society of Renal Nutrition & Metabolism, 23 December 2024, Lucknow

Soumita Bagchi

1. BK virus infection after transplantation, Annual Conference of Indian Society of Pediatric Nephrology (ISPNCON 2024), 6 December 2024, Delhi
2. Conducting trials in LMICs, World Congress of Nephrology, 8 February 2025, Delhi

Raj Kumar Yadav

1. Active & History of Malignancy in Deceased Donor, Mid-Term ISOT, 27 April 2024, Nashik
2. Minimizing Post-Transplant Infection, Inaugural Conference of Indian Society of Transplant Surgeons, 8 September 2024, New Delhi
3. Best Practices for TCC in AIIMS, 1st AIIMS Interventional Nephrology Conference/Workshop on dialysis vascular access., 28 September 2024, New Delhi
4. The Role of therapeutic drug monitoring and Genetic polymorphism in renal transplant, International Pharmacology Conference (IPC) & 54th Annual Conference of Indian Pharmacological Society, 28-30 November 2024, New Delhi
5. Medical aspect for preparation of kidney transplant recipient and basics of evaluation and management of transplant recipient donor and transplant outcome in kidney transplantation, 12th batch of Transplant Coordinator Training Course NOTTO, 4trh Floor, NIOP Building, Safdarjung Hospital Campus, Ansari Nagar, New Delhi, 27-31 January 2025, New Delhi.
6. Approach to Kidney & Urinary Symptoms & Investigations, World Kidney Day 2025 symposium, 12 March 2025, New Delhi

Arunkumar Subbiah

1. Dialysis and Green Nephrology, APSN & KSN Congress, 15 June 2024, Seoul, Korea
2. Clinical Trials and Evidence Based Medicine, National Symposium on Transforming Medicine through Research, 26 July 2024, Puducherry
3. Pregnancy and Kidney Diseases, JIPMER Nephrology Update 2024, 25 August 2024, Puducherry
4. Real World Evidence for Drugs in Renal Transplantation: Clinicians Perspective, 54th Annual Conference of the Indian Pharmacological Society, 28 November 2024, Delhi
5. Iptacopan in Renal Disorders, 54th Annual Conference of the Indian Pharmacological Society, 30 November 2024, Delhi
6. Managing ABOi & Highly sensitized recipients, Annual Conference of Indian Society of Pediatric Nephrology (ISPNCON 2024), 06 December 2024, Delhi
7. Lupus Nephritis – Indian Experience, AIIMS MAYO Clinic Update in Kidney Diseases & Transplant, 08 December 2024, Delhi
8. Newer Approaches to treatment of IgAN, Recent Advances in Nephrology, 14 December 2024, Bhubaneshwar

Total number of lectures delivered

2022-2023	2023-2024	2024-2025
30	66	37

List of oral papers/posters presented: 10

1. Aggarwal N, Bhowmik D, Venkatesh P, Agarwal SK, Risk of contrast-induced Nephropathy among diabetic patients undergoing fundus fluorescein angiography – A prospective study, World Congress of Nephrology, 6-9 February 2025, Delhi
2. Ingle N, Subbiah AK, Barwad A, Yadav RK, Singh G, Bagchi S, et al, Presentation and outcomes of Lupus Nephritis in Northern India: A single center experience., World Congress of Nephrology, 6-9 February 2025, Delhi
3. Ingle N, Subbiah AK, Barwad A, Yadav RK, Singh G, Bagchi S, et al, Predictors of treatment response in Lupus Nephritis: an observational study, World Congress of Nephrology, 6-9 February 2025, Delhi
4. Jadon T, Venkatesh P, Thakar A, Kanodia A, Barwad A, Dinda AK, et al, The Genetic Landscape of Alport syndrome in Indian patients with phenotypic correlation., World Congress of Nephrology, 6-9 February 2025, Delhi

5. Mandal Shilpa, Bhowmik D, Study of functional renal reserve in prospective kidney donors., World Congress of Nephrology, 6-9 February 2025, Delhi
6. Sangha SS, Yadav RK, Pahuja T, Sarkar A, Subbiah AK, Bhowmik D, et al, Factor V Leiden Heterozygous Mutation and Hyperhomocysteinemia presenting with vascular rejection and graft infarction in kidney allograft recipient: A case report, World Congress of Nephrology, 6-9 February 2025, Delhi
7. Sarkar A, Bansal B, Singh G, Barwad A, Subbiah AK, Yadav RK, et al, Clinical profile and outcome of AA amyloidosis in Indian patients, World Congress of Nephrology, 6-9 February 2025, Delhi
8. Subbiah AK, Ingle N, Yadav RK, Barwad A, Bagchi S, Singh G, et al, Impact of demographic and socioeconomic factors on infective complications and outcomes in Lupus Nephritis., World Congress of Nephrology, 6-9 February 2025, Delhi
9. Tummala S, Menda J, Subbiah AK, Mahajan S, Bhowmik D, Bagchi S, Pregnancy outcomes in patients with primary glomerular disease and the impact on renal outcome., World Congress of Nephrology, 6-9 February 2025, Delhi
10. Yadav RK, Mourya B, Bhowmik D, Agarwal SK, Sinha R, Azad SV, Effect of intravitreal bevacizumab on renal function and proteinuria among diabetic patients: A prospective observational study in North India., World Congress of Nephrology, 6-9 February 2025, Delhi

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022—2023	2023—2024	2024—2025
6	7	10

RESEARCH

Funded projects

Ongoing

1. A multi-center, randomized, double-blind, placebo controlled, parallel group, phase III study to evaluate the efficacy and safety of LNP023 in primary IgA nephropathy patients, Soumita Bagchi, Novartis Ltd, 5 Years, 2021-2026, Rs 5.88 Lakhs/year (CRC salary) + Rs 2 Lakhs per patient
2. A multicentre, randomized, double-blind, parallel group, placebo-controlled study to evaluate the efficacy and safety of iptacopan (LNP023) in complement 3 glomerulopathy, Soumita Bagchi, Novartis Ltd, 3 Years, 2022-2025, Rs 5.59 Lakhs/year (CRC salary) + Rs 2.24 Lakhs per patient
3. A Phase 2b/3, Multi-part, Randomized, Double-Blinded, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Atacicept in Subjects with IgA Nephropathy (IgAN), Soumita Bagchi, Vera Therapeutics ltd, 5 Years, 2024-2029, Rs 5.31 Lakhs per patient
4. A Phase 4, 52-week, single arm, multicenter post marketing surveillance to evaluate the safety of Desidustat for the treatment of anemia in subjects with chronic kidney disease (CKD)., Dipankar Bhowmik, Zydus, 2 Years, 2024-2026, CRC salary + Rs 25, 000 per patient
5. A phase II. Open -Label Study of NM8074 in patients with Atypical Hemolytic Uremic syndrome (aHUS) at AIIMS., RK Yadav, Novalmed Therapeutics, 1 Year 6 Months, 2023-2025, Rs 1.29 Lakhs per patient
6. A Phase III, Randomised, Double -Blind, Active-controlled Study to Assess the Efficacy, Safety and Tolerability of Baxdrostat in Combination with Dapagliflozin Compared with Dapagliflozin Alone on Chronic Kidney Disease (CKD) Progression in Participants with CKD and High Blood Pressure., Arunkumar, Astra Zeneca, 3 Years, 2024-2027, ≈ Rs 2.50 Lakhs per patient
7. A Prospective, Double-Blind, Multicentric, Randomized, Placebo-controlled Clinical Trial to Evaluate the Efficacy and Safety of Budesonide in Patients with Primary IgA Nephropathy (IgAN), Soumita Bagchi, Fourrts Pharma Ltd, 3 Years, 2024-2026, Rs 1.98 Lakhs per patient
8. A randomized, double-blind, placebo-controlled, parallel-group, multicenter Phase 3 study to investigate the efficacy and safety of FInerenone, in addition to standard of care, on the progression of kidney disease in patients with Non-Diabetic Chronic Kidney Disease (FIND-CKD), Arunkumar, Bayer, 3 Years, 2023-2026, Rs 43,000/yr (CRC salary) + ≈ Rs 2,50,000 per patient

9. An adaptive, randomized, double-blind, dose exploration, parallel group, placebo-controlled, multicenter phase 2 trial to evaluate the efficacy, safety and tolerability of LNP023 in combination with standard-of-care with and without oral corticosteroids in adult patients with active lupus nephritis Class III-IV, +/- V, Arunkumar, Novartis, 4 Years, 2022-2026, Rs 43,000/ yr (CRC salary) + ≈ Rs 1,90,000 per patient
10. Expression of Immune checkpoints (CTLA-4, PD-1, PD-L1), cytokines and T-reg cells in Lupus Nephritis, Sandeep Mahajan, ICMR, 3 Years, 2021-2024, Rs 86.17 Lakhs
11. Role of T-regulatory cells (T-regs) and their clinical correlation in obesity associated inflammation in type-2 diabetic & CKD, Sandeep Mahajan, ICMR, 3 Years + 1 Year extension, 2019-2023, Rs 56.53 Lakhs
12. Studies of Heart & Kidney Protection with BI 690517 in combination with empagliflozin: A multicentre, international, randomized, double-blind, placebo-controlled clinical trial of the aldosterone synthase inhibitor BI 690517 in combination with empagliflozin in patients with chronic kidney disease. (EASi-KIDNEY Trial, Sandeep Mahajan, George Institute, 5 Years, 2025

Completed

1. An adaptive seamless randomized, double blind, placebo-controlled, dose ranging study to investigate the efficacy and safety of LNP023 in primary IgA nephropathy patients, Soumita Bagchi, Novartis Ltd, 2 Years, 2019-2021, Rs 1,98,000 per patient
2. A randomized, treatment open-label, dose-blinded parallel group, three arm, proof-of-concept clinical trial to investigate the efficacy and safety of LNP023 compared with rituximab in the treatment of subjects with idiopathic membranous nephropathy, Soumita Bagchi, Novartis Ltd, 4 Years, 2019-2023, Rs 5.88 Lakhs per year (CRC salary) + Rs 2,00,000 per patient

Departmental projects (including thesis/dissertations)

Ongoing

1. A prospective multi-centric randomized open label trial to assess efficacy of Hydroxychloroquine (HCQ) in reducing proteinuria in moderately severe primary IgA Nephropathy (EQUALITY study)
2. B lymphocytes sub-population in patients with IgA Nephropathy (IgAN): A Cross-Sectional Study
3. Clinical outcome with low dose CMV prophylaxis & evaluation of CMV specific immunity in kidney transplant recipients
4. Clinical presentation and outcome of norovirus infection in renal transplant recipients: a retrospective analysis
5. Clinical profile and long-term outcome of AA Amyloidosis- a retrospective study
6. Clinical profile and long-term outcome of biopsy proven tubule-interstitial diseases-a retrospective study
7. Compliance and efficacy of hepatitis B vaccination in patients with CKD
8. Factors affecting graft outcomes in deceased renal transplant.
9. Incidence & determinants of PTDM in renal transplant recipients: A 1 year prospective cohort study
10. Predicting accuracy and efficacy of a novel wrist wearable device measuring body fluid of patients at risk of volume overload
11. Pre-donation assessment of Cystatin C to improve prediction of pre and post donation GFR in potential living kidney donors
12. Prevalence and risk factors of Sarcopenia in dialysis dependent CKD patients and their post-transplant follow up
13. Retrospective multi-centric study for evaluating the clinical course and outcome of IgA nephropath
14. Comparison of clinical outcomes of ABO incompatible with ABO compatible kidney transplantation Clinico-Pathological Profile and Outcomes of Rejection in Renal Allograft Recipients

Completed

1. Evaluation of changes in measured GFR, Echocardiography, markers of bone mineral metabolism and carotid intimal medial thickness (CIMT) after renal donation

2. Correlation of serum Immunoglobulin A/complement factor 3(IgA/C3) with the clinical and histologic severity in patients with IgA nephropathy
3. Impact of pregnancy on renal survival and pregnancy outcomes in women with primary glomerular diseases: a retrospective study
4. Health related quality of life in adult patients with primary glomerular diseases in India
5. A study to access the effectiveness of Nurse Driven enhanced recovery after surgery Programme (ERAS) on quality of recovery patient satisfaction and hospital stay of patients undergoing renal transplant at AIIMS, New Delhi.
6. Frequency and genetic characterization of Mycoplasma pneumoniae and Pneumocystis jirovecii in immunocompromised patients
7. A study to assess the prevalence of sexual dysfunction and its related factors in female patients with Lupus Nephritis at AIIMS, New Delhi.
8. Clinical Profile, Clinicopathological Correlation and treatment outcomes in Lupus Nephritis

Collaborative projects

Ongoing

1. Assessment of Fok I polymorphism of VDR gene, vitamin D and parathyroid hormone levels in stage 4-5 CKD patients., Department of Lab Medicine
2. Evaluation of novel target antigens in membranous nephropathy and their clinical correlation: an attempt to reclassify cases based on target antigens in the Indian population, Department of Pathology
3. Genotypic characterization of Autosomal Dominant Polycystic Kidney disease (ADPKD) in Indian population: a pilot study., Department of Lab Medicine
4. Improving maturation rates of AV fistula haemodialysis access in CKD V patients using autologous adipose tissue derived mesenchymal stem cells: a double blind, randomised placebo-controlled trial., Department of Cardiovascular Radiology & Endovascular Interventions
5. Study of the utility of Apolipoprotien E immunohistochemistry in the evaluation of C3 glomerulopathy, Department of Pathology

Completed

1. Analysis of symptom burden and quality of life in patients undergoing hemodialysis and under the follow-up of a tertiary care centre: A prospective observational study, Onco-Anaesthesia & Palliative Medicine
2. Anemia: Exploring the role of vitamin D, essential elements and lifestyle in Indian Population (ICMR project)., Department of Pharmacology and Medicine
3. Short term and long-term outcomes following laparoscopic donor nephrectomy and open donor nephrectomy: An ambispective comparative cohort study, Department of Surgery
4. To study the effect of 24 hour versus standard 7 day prophylactic antibiotic regimen in renal transplant recipients, Department of Surgery

Publications

Journals: 15 **Abstracts: 10** **Chapters in Book: 03**

Publications

Item	2022—2023	2023—2024	2024—2025
Total	19	11	28
Journal articles	13	7	15
Abstracts	-	1	10
Chapters in books	6	3	3
Books	-	-	-

PATIENT CARE

Facilities available in the department

In addition to providing general nephrology care for all nephrology related illnesses, department provides state-of-the-art renal replacement therapy; hemodialysis, CAPD and renal transplant at very low cost to any patient of end stage renal disease. Department provides swap transplant and ABO incompatible renal transplant. During hemodialysis, ultrapure water is provided to machine so that absolutely safe hemodialysis can be provided to patients. Interventional Nephrology is routinely practiced in the department, with all types of temporary vascular access procedures performed in-house.

Special laboratory facilities

Department provides immunosuppressive drug monitoring free of cost to transplant patients. Apart from renal function tests, serum bicarbonate levels, iron function tests and osmolality assessment are performed in the departmental laboratory. Accurate assessment of proteinuria is provided to renal patients in the laboratory. The renal lab is NABL accredited.

Following number of patients were provided respective facility

Patient care *(other items may be added/removed as per activity of department)*

S. No.	Area	Sub-heading	2022	2023	2024
1	HD Related	HD New Patients	1125	1422	1452
		Total HD	11163	12343	11372
		Plasmapheresis	192	115	226
		Femoral Vein catheterization	340	232	152
		Jugular/Subclavian catheterization	160	73	134
		Permcath Insertion	37	22	81
2	ICU Related	SLED – Bedside dialysis	136	804	78/1068
3	Peritoneal Dialysis	Acute PD	3	2	2
		CAPD	9	6	8
4	Indoor Related	Kidney Biopsy	540	674	723
		Indoor regular admission	546	418	635
		Indoor short admission	3450	5952	7092
		Indoor Death/male	26	41/27	32/22
		Nephrology consultation	3159	7547	8316
		Ultrasound	578	720	794
5	Day Care Treatment	Pulse Methylprednisolone Tt	95	162	240
		IV iron Therapy	235	350	273
		IV Cyclophosphamide Therapy	28	72	89
		IV Rituximab	-	243	292
		Other Miscellaneous Therapies	3916	4540	5601
6	Renal Transplant	Evaluation of LRRT	307	399	475
		Evaluation of Cadaver recipient	63	181	251
		Living RT done	97	118	120
		Cadaver RT done	12	13	11
7	Renal Lab related	Biochemistry (Urea, Cr, Na, K)	40067	48954	197855

S. No.	Area	Sub-heading	2022	2023	2024
		Urine osmolality	1794	2278	2760
		24 hr urine testing	19907	29705	42491
		Hemogram for RT Patients	24260	10094	12310
		Bicarbonate	25765	30681	34401
		Iron function tests (Iron, UIBC, TIBC)	6994	9711	14170
		Serum Ferritin	3549	1481	599
		Tac Level	5097	3339	6350
8	OPD Related	Renal clinic new patient	5907	7265	6596
		Renal clinic old patient	28264	39407	44771
		Renal clinic Total Patients	34171	46672	51367
		RTCC New Cases	349	399	483
		RTCC Old Cases	2073	2803	4344
		RT new cases	109	131	130
		RT old cases	8180	10210	11779
		RT Clinic Total Patient visits	8289	10341	11898

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Dipankar Madhusudhan Bhowmik is President Delhi Nephrology Society and awarded Fellow International Society of Nephrology.

Professor Sandeep Mahajan was Elected Deputy Chair of the ISN South Asia Regional Board (2025–2027) and ISN Council Member (2025–2029); also serves on the International Home Dialysis Consortium, ISOT Council (2023–2025), and as Secretary of the Peritoneal Dialysis Society of India (2023–2025).

Professor Soumita Bagchi is Associate Editor for *Seminars in Dialysis* and Subject Editor (Glomerular Diseases) for *Nephrology (Carlton)*; on the Editorial Board of *BMC Nephrology*; member of the Scientific Program Working Group for WCN 2025 and the TTS CMV guideline consensus group.

Dr Raj Kanwar Yadav received the TTS-ISOT La Renon International Mentee-Mentor Award at TTS 2024 (Istanbul) and the Shri Loknath Saraf Memorial Award for contributions to medicine by Rajasthan Ratnakar, Delhi.

Dr Arun Kumar Subbiah is the national representative of the Youth National Portal of the European Renal Association; member of expert committee of the FSSAI (Food Safety and Standards Authority of India); Member of the Youth Committee of the Indian Society of Nephrology; Assistant Editor – Indian Journal of Organ Transplantation and Junior Editor – Journal of Nephrology.

VISITING SCIENTIST

None

9.23 Nuclear Magnetic Resonance

Professor and Head

Rama Jayasundar

Professors

S Senthil Kumaran | Uma Sharma | Virendra Kumar

Scientists

Sujeet Kumar Mewar | Pawan Kumar | Dushyant Kumar

HIGHLIGHTS

The clinical MRI facility is functioning 24 × 7, with two 3 Tesla MRI and one 1.5 Tesla MRI.

EDUCATION

The faculty and Scientists participated and delivered lectures for courses titled "Course 10: Structural Biology and NMR Technology, Course 11: Bioinformatics" and "Molecular Medicine", of M. Biotech programme of the Department of Biotechnology, AIIMS; MBBS Course Third Semester and MD Physiology course.

CMEs/Workshops/Symposia/National and International Conferences

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 37

Rama Jayasundar: 31 **S Senthil Kumaran: 2** **Uma Sharma: 3**

Virendra Kumar: 1

Rama Jayasundar

1. Ayurveda: a consciousness-based medical system (gave online), International Conference on The Science of Consciousness, 22 April 2024, California, USA/online
2. MR-based research in Ayurveda, National Education Policy (NEP) Orientation and Sensitization programme, UGC-HRDC (University Grant Commission -Human Resource Development Centre), JNU, 8 May 2024, New Delhi
3. Ayurveda: a holistic system of medicine, 1st Special Course for Diplomats, Ministry of External Affairs, Govt of India, 9 August 2024, New Delhi
4. Ayurvedic approach to ocular health, ARVO-Indian Chapter of the Association for Research in Vision and Ophthalmology-Association of USA, 27 September 2024, New Delhi
5. Research methodologies, Faculty Development Program, Kanpur University, 25 October 2024, Kanpur
6. MR-based research in Ayurveda, Guest lecture Series, AIIMS Jammu, 07 November 2024, Jammu
7. Past, present and future of clinical MR Imaging, International Day of Radiology, AIIMS Jammu, 8 November 2024, Jammu
8. Applications of MR in research in ayurveda, International Conference - Communication and Dissemination of Traditional Knowledge (CDTK-2024), CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), 13 November 2024, New Delhi
9. Basics and introduction to Nuclear Magnetic Resonance, Special lecture Series, Teaching Course for Biochemists, AIIMS, 25 November 2024, New Delhi
10. Applications of NMR, Special lecture Series, Teaching Course for Biochemists, AIIMS, 26 November 2024, New Delhi
11. Basics and introduction to Nuclear Magnetic Resonance, Teaching Course for Anatomy Students, AIIMS, 2 December 2024, New Delhi

12. Applications of NMR in Medicinal plants, International Conference - Translational Trends in Natural and Health Sciences (TTNHS-2024), 5 December 2024, Bathinda
13. Journey of a woman physicist, National Conference - Science Technology Research and Entrepreneurship (STREE-2024), 7 December 2024, Bhopal
14. Ordinary women, extraordinary footprints in pre-independent India, Residential Faculty Induction Programme, UGC-HRDC (University Grant Commission -Human Resource Development Centre), JNU, 20 January 2025, New Delhi
15. Applications of NMR, Teaching Course for Biophysicists, AIIMS, 20 January 2025, New Delhi
16. Panelist - Physics Syllabus for UG and PG courses under NEP, Learning Outcome-based Curriculum Framework (LOCF) Expert Committee Workshop for Physics, 31 January 2025, New Delhi
17. Panelist - Physics Syllabus and relevant IKS content for UG and PG courses under NEP, Learning Outcome-based Curriculum Framework (LOCF) Expert Committee Workshop for Physics, 1 February 2025, New Delhi
18. Research methodologies for ayurveda, Conference on Research methodologies in ayurveda, 24 February 2025, New Delhi
19. Women in Science in Pre-Independent India, National Science Day, University of Delhi, 28 February 2025, New Delhi
20. Introduction to MRI and other imaging systems, Teaching Course for MBBS, AIIMS, 1 March 2024, New Delhi
21. Ayurveda for Children, In-house Workshop for Children, Isha Yoga Centre, 11 March 2025, Coimbatore
22. The Science of Ayurveda, In-house Workshop for Children, Isha Yoga Centre, 11 March 2025, Coimbatore
23. Understanding of health and disease in ayurveda and modern medicine, In-house Workshop for Children, Isha Yoga Centre, 12 March 2025, Coimbatore
24. Sustainable healthcare, In-house Workshop for Children, Isha Yoga Centre, 12 March 2025, Coimbatore
25. Applications of MR in ayurveda, Guest Lecture, Isha Yoga Centre, 13 March 2025, Coimbatore
26. NMR of medicinal plants, Guest Lecture, Isha Yoga Centre, 13 March 2025, Coimbatore
27. Ayurveda: connecting the dots and sensing the past, CME Guest Lecture Series, Kanha Shantivanam Heartfullness Institute, 19 March 2025, Hyderabad
28. Ayurveda and modern medicine: why & where they differ and how the differences matter, CME Guest Lecture Series, Kanha Shantivanam Heartfullness Institute, 20 March 2025, Hyderabad
29. MR-based research methodologies for ayurveda, CME Guest Lecture Series, SJSAC College, 28 March 2025, Chennai
30. NMR metabolomics of medicinal plants, CME Guest Lecture Series, SJSAC College, 29 March 2025, Chennai
31. Basic principles of NMR- Classical picture, resonance condition, etc. Structural Biology Course, MBiotechnology, AIIMS, 6 January 2023, New Delhi

S. Senthil Kumaran

1. Neuro-navigation & Role of TMS in structural brain lesions, 9th CME on Neuromodulation and 6th Hands-on Workshop, 19-21 December 2024, AIIMS, New Delhi
2. Understanding Parkinson's Disease using Magnetic Resonance Techniques, 11th Annual Scientific Meeting of the ISMRM Indian Chapter, 27 February – 1 March 2025, IIT Hyderabad

Uma Sharma

1. Metabolic Biomarkers of Depression and Gluten Ataxia. Needs and Approaches for Neuroimaging, 18 July 2024, Online, New Delhi
2. A Journey in the Path of Science: Inspiration & Challenges, Women's Day, 7 March 2025, Gurugram
3. Applications of NMR-based Metabolomics and MRI in understanding Pathophysiology of Gluten-Related Disorders. 4th Indo-Japan Workshop, 8 March 2025, New Delhi

Virendra Kumar

1. Role of NMR and MRI in Prostate Cancer 4th World Congress on Translational Cancer Research & immunotherapy, 10-12 February 2025, Jaipur

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
25	30	37

List of oral papers/posters presented: 41

1. Agarwala S, Luthra K, Sharan P, Lodha R, Sahni P. How to prepare an annual report, IV Conference of Annual Report preparers, 21 May 2022, Jaipur, Rajasthan
2. Bahukhandi SS, Dubey H, Ranjan A, and Kumar V, Platinum Refractory High-Grade Serous Ovarian Cancer: A Case Report. Annual Conference of Oncology Forum, 18-19 January 2025. New Delhi.
3. Bahukhandi SS, Kumar P, Kumar R, Kaushal S, Khan MA, and Kumar V, 1H NMR based plasma metabolomics reveals distinct metabolic profiles in prostate cancer patients and healthy controls. NMR-Based Metabolomics and In Vitro Diagnostic Research. 24 February –1 Mar 2025, CBMR, Lukhnow,
4. Bahukhandi SS, Kumar P, Kumar R, Kaushal S, Khan MA, and Kumar V, Differentiating GS>7 From GS<7 Prostate cnace rpatients using NMRspectroscopy, AIIMS, Research Day. 30–31 January 2025, AIIMS New Delhi,
5. Bahukhandi SS, Kumar P, Kumar R, Kaushal S, Khan MA, and Kumar V, Unravelling metabolic signatures of prostate cancer using NMR-based metabolomics of blood plasma, Indo-French Biomolecular NMR Winter School, 14–20 December 2024, IIT Guwahati,
6. Bahukhandi SS, Kumar P, Kumar R, Kaushal S, Khan MA, and Kumar V, Untargeted 1H-NMR-based metabolomics to distinguish prostate cancer patients from healthy controls, Apollo Cancer Conclave, 8–10 November 2024, Mumbai.
7. Banga C, Bhosle P, Deepak KK, Chandran D, Jayasundar R, MR-based body composition analysis, resting state fMRI and autonomic function evaluation for phenotyping, International 65th Experimental NMR Conference**,** 08 April 2024, Asilomar, USA/online,
8. Banga C, Bhosle P, Deepak KK, Chandran D, Jayasundar R, MR-based physical and physiological phenotyping, International World Molecular Imaging Conference**,** 8 April 2024, Montreal, Canada, Online,
9. Bhat Priyanka, Kumaran S Senthil, Srivastava Achal K, and Radhakrishnan Divya M, Metabolic story of functional connectivity in Parkinson's Disease- A multimodal imaging perspective, 2024 ISMRM & ISMRT Annual Meeting & Exhibition, 4-9 May 2024, Singapore,
10. Chauhan Nisha, Kumaran S. Senthil, Chatterjee Biswadip, Dhawan Anju, Sarkar Siddharth, Kalaivani Mani, Neuroimaging Insights into Opioid Cue Reactivity: Development of an fMRI Task Targeting Chasing as an Administration Route in Opioid Dependence, ISAM Congress 2024, 5-8 September 2024, Istanbul, Turkey,
11. Chauhan Nisha, Kumaran S. Senthil, Chatterjee Biswadip, Dhawan Anju, Sarkar Siddharth, Glymphatic Function and Cognitive Improvement in Opioid Dependence: A DTI-ALPS Index Study on Buprenorphine Treatment, ISMRM Indian Chapter Scientific Meeting 2025, 27 February-1 March 2025, Hyderabad, India,
12. Chauhan Nisha, Kumaran S. Senthil, Chatterjee Biswadip, Dhawan Anju, Sarkar Siddharth, Kalaivani Mani, Chasing Cue Reactivity Task Based Functional Connectivity in Opioid Use Disorder, AIIMS Research Day 2025
13. D Ghosh, G Jos, KK Tarafdar, D Kumar, R Jayasundar, VM Gadre, Spatiotemporal Registration of Longitudinal Brain MRI Acquisitions by Identifying and Matching Multiresolution Triplet Pairs, IEEE Conference on Communications, 7 March 2025, New Delhi,
14. Dey Sarkar T, Hans G, Sharma U. Mapping Cortical Surface Area Reductions in Treatment-Resistant Schizophrenia: A Comparative Pilot Study. 4th AIIMS Research Day, 29-30 January 2025, New Delhi, Delhi,
15. Gupta G, Gupta R, Yadav S, Kumaran SS, Sharma U, Exploration of Serum Biomarkers Associated with Rheumatoid Arthritis Using Non-invasive ^{1}H-NMR Spectroscopy Technique, 4th AIIMS Research Day, 29-30 January 2025, New Delhi, Delhi,

16. Hans G, Sharma U, Dey Sarkar T, Panwar S. Metabolic changes in anterior cingulate cortex and hippocampus in patients with treatment resistant depression: proton magnetic spectroscopy. 76th Annual National Conference of the Indian Psychiatric Society, 22-25 January 2025, Hyderabad, Telangana,

17. Hans G, Sharma U, Dey Sarkar T, Metabolic changes in anterior cingulate cortex and hippocampus in patients with treatment resistant depression: proton magnetic spectroscopy, 24th World Congress of Psychiatry, 14-17 November 2024, Mexico City, Mexico.

18. KK Tarafdar, A Meher, M Shah, Q Saifee, D Kumar, AV Nimkar, R Jayasundar, V Gadre, Multiresolution Encoder-Decoder Convolutional Neural Network for Magnetic Resonance Image Segmentation, IEEE International Conference on Acoustics, Speech and Signal Processing, 10 March 2025, Hyderabad,

19. Kumar Mukesh, Kumaran S Senthil, Pankaj, and Sagar Rajesh, Hippocampal subfield and amygdala nuclei gray matter volume reduction in early-onset schizophrenia, 2024 ISMRM & ISMRT Annual Meeting & Exhibition, 6 May 2024, Singapore, 1

20. Kumar P, Kumar P, Narang R, Mewar S K, Arava S K, Chakraborty S**,** Jayasundar R, Rajasekar P, Serum metabolic profiling of human valve diseases based on proton NMR spectroscopy, Intl Soc Magn Reson Med (ISMRM), May 2024, Singapore,

21. Kumaran S Senthil, Bhat Priyanka, Pankaj, Kumari Sadhna, Goyal Vinay, Srivastava Achal K, Rajan Roopa, MR Divya. Cortical Morphometric Differences Between Young-Onset and Late-Onset Parkinson's Disease: A Deformation-Based Approach, ISMRM Indian Chapter Scientific Meeting 2025, 27 Feb- 1 March 2025, Hyderabad, India,

22. Lohani Dhruv, Bharti, Kumaran S Senthil, Srivastava Achal Kumar, Agrawal Snigdha, Pankaj. Spinocerebellar Ataxia Type 12 classification through Structural MRI: Insights from Regional Brain Volume and Cortical Thickness Analysis, 2024 IEEE International Conference on Computer Vision and Machine Intelligence (CVMI). 19-20 October 2024, IIIT Allahabad, Prayagraj,

23. Lohani Dhruv, Bharti, Kumaran S Senthil, Srivastava Achal Kumar, Agrawal Snigdha and Pankaj, Integrating Tensor-Based Morphometry with Machine Learning for Diagnosis of SCA12, ISMRM Indian Chapter Scientific Meeting 2025, 27 Feb- 1 March 2025, Hyderabad, India,

24. Pankaj, Srivastava Achal Kumar, Kumaran S Senthil, Garg Ajay, Cerebellar Atrophy and Neurochemical Changes in Spinocerebellar Ataxia Types 2 and 12: A Combined VBM and MRS Approach, DNACON-2025, 1-2 February 2025, New Delhi,

25. Pankaj, Srivastava A, Kumar M, Kumaran S, Garg A, Agarwal R, Nehra A, White Matter Tractography in Spinocerebellar Ataxia type 1 and 2 in comparison with Healthy Controls, Movement Disorder 2024, 27 September 2024-1 October 2024, Philadelphia, USA,

26. Rajasekar P, Kumar P, Narang R, Mewar S K, Kumar P, Chakraborty S**,** Arava S K, Jayasundar R**,** Tissue Metabolomics Characterization of Human Valve Diseases using NMR spectroscopy, Intl Soc Magn Reson Med (ISMRM), May 2024, Singapore,

27. Rama Jayasundar, Applications of MR in research in ayurveda, Communication and Dissemination of Traditional Knowledge (CDTK-2024), CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), 13 November 2024, New Delhi,

28. Rama Jayasundar, Applications of NMR in Medicinal plants, Translational Trends in Natural and Health Sciences (TTNHS-2024), 05 December 2024, Bathinda,

29. Rama Jayasundar, Ayurveda: a consciousness-based medical system (gave online), International Conference on The Science of Consciousness, 22 April 2024, California, USA,

30. Rama Jayasundar, Ayurvedic approach to ocular health, ARVO-Indian Chapter of the Association for Research in Vision and Ophthalmology-Association of USA, 27 September 2024, New Delhi,

31. Rama Jayasundar, Journey of a woman physicist, Science Technology Research and Entrepreneurship (STREE-2024), 07 December 2024, Bhopal,

32. Rama Jayasundar, Research methodologies for ayurveda, Conference on Research methodologies in ayurveda, 24 February 2025, New Delhi,

33. Rawat V, Sharma U, Hans G, Sharan P, Volumetric alterations in suicidal MDD patients. 4th AIIMS Research Day, 29-30 January 2025, New Delhi, Delhi,

34. Singh A, Kumar B, Cough in the elderly, XI National Conference of Association of Cough Specialists, 12 April 2022, Gurugram/Online

35. Singh Himanshu, Gupta Himani, Dhiman Rebika, Kumaran S Senthil, and Saxena Rohit, Diffusion Tensor informed functional activity highlight treatment response in young amblyopia, ISMRM Diffusion Workshop 2025, 16-20 February 2025, Kyoto, Japan,

36. Singh Himanshu, Radhakrishnan Risna Kanjirassery, Pundir Arvind Singh, Sharma Krishan, Kumaran S. Senthil, and Iyengar Soumya, Segmentation of diffusion tracts to develop a digital tractographic atlas for Avian Brains, ISMRM Diffusion Workshop 2025, 16-20 February 2025, Kyoto, Japan

37. Singh Himanshu, Kumaran S Senthil, Vishnu VY, Karthikeyan G, Chopra Neha, Hemodynamic quantification for modelling functional outcome in stroke population using 4D Flow Imaging – a pilot study, 2024 ISMRM & ISMRT Annual Meeting & Exhibition, 4-9 May 2024, Singapore,

38. Solanki B, Dubey H, Ranjan A, and Kumar V. Chemotherapy resistance serous carcinoma of ovary: A Case Report. Annual Conference of Oncology Forum, 18-19 January 2025. New Delhi.

39. Tyagi R, Hans G, Sharma U, Developing A Predictive Model For Generalized Anxiety Disorder Using NMR-Based Metabolomics: A Preliminary Investigation. 4th AIIMS Research Day, 29-30 January 2025, New Delhi

40. Upadhyay D, Das P, Dattagupta S, Makharia GK, Jagannathan NR, Sharma U. NMR Metabolomics identifies distinct metabolic phenotype in first-degree relatives of patients with celiac disease that might have role in protecting mucosal integrity. 65th Annual Congress of the Indian Society of Gastroenterology (ISGCON 2024), 4-7 December 2024, Varanasi, UP

41. Upadhyay D, Das P, Dattagupta S, Makharia GK, Sharma U. NMR based metabolomics reveals a panel of blood plasma metabolic biomarkers for assessment of response to GFD in Celiac Patients. 4th AIIMS Research Day, 29-30 January 2025**,** New Delhi, Delhi,

[1] E. K. Zavoisky Stipend Award,

[2] 2nd prize in oral presentation,

[3] 1st prize in oral presentation

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
26	41	39

RESEARCH

Ongoing

1. An integrated metabolomics and lipidomics approach for identifying biomarkers for early diagnosis and histological subtyping of the Non-Small-Cell-Lung Cancer, Uma Sharma, ICMR, Govt. of India, 3 Years, 2024-2027, Rs 106.78 Lakhs

2. Detection of Early Signs of Postural Function Decline in Parkinson Patients using EEG and fMRI, Dr. Aayushi Khajuria, Under Professor S Senthil Kumaran as Mentor, Department of Science and Technology, 5 Years, 2023-2028, Rs 39.36 Lakhs

3. Elucidating pathophysiology of rheumatoid arthritis and identification of biomarkers of response using metabolomics and proteomics, Uma Sharma, ICMR, Govt. of India, 3 Years, 2021-2024, Rs 44.23 Lakhs

4. Functional MRI based target localization in brain stimulation in Depression, Dr Priyanka Bhat, Under Professor S Senthil Kumaran as Mentor, DBT Bio Care, 3 Years, 2024-2026, Rs 32.53 Lakhs

5. Identification of early biomarkers for Parkinson's disease using Radiomics and Metabolomics approach in an experimental PD model and patients with PD, Dr Sadhana Kumari, Under Professor S Senthil Kumaran as Mentor, DHR Women Scientist, 3 Years, 2023-2026, Rs 48.72 Lakhs

6. Identification of Metabolic Biomarkers by using Metabolomics and Metagenomics of Prostate Cancer Associated Microbiome to Distinguish Aggressive Prostate Cancer, Virendra Kumar, DHR, Govt. of India, 3 Years, 2022-2025, Rs 55.5 Lakhs

7. Identification prognostic diagnostic Biomarkers Parkinson's Disease deep learning methods, Professor S. Senthil Kumaran, DHR, 3 Years, 2023-2026, 18.78 Lakhs

8. Immunomodulatory effects, protease inhibitory activity and spectroscopic characterisation of select ayurvedic prophylactics and formulations: In vitro studies for novel SARS Cov infection**,** Rama Jayasundar**,** Ministry of AYUSH, Govt. of India**,** 3 Years, 2021-2024, 67.69 Lakhs
9. Metabolic profiling of prostate cancer to identify biomarkers using Nuclear Magnetic Resonance Spectroscopy and Mass spectrometry, Dr. Sujeet Kumar Mewar, AIIMS New Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
10. Metabolomic fingerprinting to identify serum metabolites in patients with heart valve diseases using ^{1}HNMR spectroscopy", Pawan Kumar, AIIMS New Delhi, 2 Years, 2022-2025, Rs 8.2 Lakhs
11. NMR-based CSF metabolomics for biomarker identification for poor outcomes in TB Meningitis patients, Virendra Kumar, AIIMS (Interdisciplinary), 2 Years, 2024-2026, Rs 20 Lakhs
12. Scientific validation of ayurvedic concepts of guna and anupana by studying its interplay with NMR phytometa bolomics and permeability analyses in intestinal and liver cells**,** Rama Jayasundar**,** ICMR, Govt. of India**,** 3 Years, 2022-2025, 23 Lakhs
13. Semi-automatic segmentation and classification of MR images through ischemic stroke as case studies**,** Rama Jayasundar**,** Koita Centre for Digital Health (KCDH), IIT Bombay, 2 Years, 2024-2026, 15 Lakhs
14. Structural and functional Changes with Occlusion therapy in Anisometropic Amblyopes using FMRI And Diffusion Tensor Imaging**,** Rama Jayasundar**,** AIIMS, New Delhi**,** 2 Years, 2022-2024, 10 Lakhs

Completed

1. Elucidating the structural, neurobiological changes and identification of non-invasive biomarkers using magnetic resonance imaging and spectroscopy in major depressive disorder, Uma Sharma, SERB, Govt. of India, 3 Years, 2020-2023, 33.08 Lakhs
2. Exploring Auditory Perception in House crows using functional magnetic resonance imaging and Neuroanatomical Techniques, Professor S. Senthil Kumaran, SERB, 4 Years, 2021-2024, Rs 36.42 Lakhs
3. Identification of prognostic and diagnostic biomarkers in Parkinson's Disease (with juvenile/young onset) using deep learning methods, Professor S, Senthil Kumaran, DHR, 1.9 Years, 2022-2024, Rs 37.40 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Study of pathophysiology of rheumatoid arthritis and identification of biomarkers of response using Metabolomics and Proteomics
2. Brain functional changes and metabolic alterations in spinocerebellar ataxia
3. Development of neuro-vascular coupled computational modelling in stroke using multimodal imaging
4. Exploring neuroimaging and metabolomic markers associated with opioid dependence and pharmacotherapy.
5. Immunomodulatory effects, protease inhibitory activity and spectroscopic characterisation of select ayurvedic prophylactics and formulations: In vitro studies for novel SARS-Cov infection
6. Investigating the Pathophysiology of Treatment-Resistant Schizophrenia Using Multi-Parametric Magnetic Resonance Approaches and Metabolomics.
7. MR and other techniques based phenotyping and correlation with prakruti type in healthy population
8. Neuromodulation-Induced Metabolic and Morphological Alterations in an Experimental Model of Parkinson's Disease: An MR Investigation
9. NMR metabolomics and pharmacological assays for functional signatures of medicinal plants used in ayurveda
10. Scientific validation of ayurvedic concept of guna and anupana by studying its interplay with NMR Phytometabolomics and permeability analysis in intestinal and liver cells
11. Understanding the structural and neurobiological changes in the patients with major depressive disorder using magnetic resonance imaging and spectroscopy

Completed

1. NMR phytometabolomics and analysis of chemosensory signatures of select ayurvedic medicinal plants
2. NMR spectroscopic analysis and anticancer evaluation of select ayurvedic polyherbal formulations

3. Role of Magnetic Resonance in assessing therapeutic efficacy of ayurvedic and yoga interventions in stroke

Collaborative projects

Ongoing

1. Analysis of anti-neurotoxicity of amyloid beta in Alzheimers (AD) disease pathology targeting lipooxygenases, Department of Biophysics, AIIMS, New Delhi
2. Assessment of neuroprotective potential of safinamide treatment in animal model of Ischemic stroke, Department of Pharmacology, AIIMS, New Delhi
3. CARE -Neuroassistive technologies in Stroke Recovery, Department of Neurology, AIIMS, New Delhi
4. Evaluation of decanoic acid in ischemia reperfusion injury in middle cerebral artery occlusion model of stroke in rats, Department of Pharmacology, AIIMS, New Delhi
5. Immunomodulatory effects, protease inhibitory activity and spectroscopic characterisation of select ayurvedic prophylactics and formulations: *In vitro* studies for novel SARS Cov infection, Department of Biochemistry, AIIMS, New Delhi
6. Material characterization of brain tissue and development of tissue-device interaction based neurosurgical simulation tool, Department of Neurosurgery, AIIMS, New Delhi
7. Metabolomic profiling of donor and recipient in pediatric patients undergoing hematopoietic stem cell transplantation, Department of Pediatrics, AIIMS, New Delhi
8. Modulation of AMPA receptor: Effect on post-stroke damage after focal cerebral ischemia reperfusion injury in rats, Department of Pharmacology, AIIMS, New Delhi
9. Scientific validation of ayurvedic concept of guna and anupana by studying its interplay with NMR Phytometabolomics and permeability analysis in intestinal and liver cells, Department of Biochemistry, AIIMS, New Delhi

Completed

1. Elucidating the pathobiology of classical ayurvedic interventions in post stroke recovery using Magnetic Resonance and other technique based structural, functional and chemical, biomarkers, Department of Neurology, Department of Neuroradiology, AIIMS, New Delhi
2. Spectroscopic analysis of medicinal plants for standardization and quality assessment, Department of Ocular pharmacology and pharmacy, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	9	11	14
Total funding (in Lakhs)	324.3	433.17	499.79

Publications

Journals: 17 **Abstracts: 01**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**15**	**18**	**18**
Journal articles	14	18	17
Abstracts	0	0	1
Chapters in books	1	0	0
Books	0	0	0

PATIENT CARE

Under the title: Patient care/supportive activities: please include information regarding:

(a) facilities available in the department (including special clinics and/or special laboratory facilities)

(b) community services/camps, etc.

Please also provide data wherever appropriate.

Patient care*(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024–2025
OPD consultations	Not applicable	Not applicable	Not applicable
Special clinic consultations	Not applicable	Not applicable	Not applicable
Patients provided rehabilitation services	Not applicable	Not applicable	Not applicable
Total inpatient admissions	Not applicable	Not applicable	Not applicable
Laboratory Investigations	11884	14400	11699

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Rama Jayasundar was Nominated member of the National Steering Committee for Indigenous MRI-A National Mission', Ministry of Electronics & Information Technology (MeitY), Govt of India. She was nominated Adjunct Professor in the Koita Centre for Digital Health, Indian Institute of Technology (IIT) Bombay, Mumbai. She was Member of the Learning Outcome-based Curriculum Framework Committee for UG and PG Physics, University Grants Commission (UGC), Ministry of Education, Govt of India. She was nominated member of the Curricular Area Groups for Science, National Council of Educational Research and Training (NCERT), Ministry of Education, Govt of India. She was nominated member of the Curricular Area Groups for Indian Knowledge Systems, NCERT, Ministry of Education, Govt of India. She was Selection Committee Member for Scientist posts, CSIR-Indian Institute of Chemical Biology (CSIR-IICB), Kolkata. She was Selection Committee Member for Scientist IV, National Brain Research Centre (NBRC), Manesar, Haryana. She was Nominated as the Chairperson for the committee on Neuroimaging Facility, NBRC, Manesar, Haryana. She was Nominated member of Governing Body of National Council of Science Museums (NCSM), Ministry of Culture, Government of India. She was Nominated Chairperson of the Executive Committee of Northern Zone of NCSM, Minister of Culture, Government of India. Honourable President of India's nominee (Visitor's nominee) for selection committee at the Department of Biosciences & Bioengineering, IIT Bombay, Mumbai. Honourable President of India's nominee (Visitor's nominee) for selection committee at the Department of Biomedical Engineering, IIT, Hyderabad. She was nominated member of the Scientific Advisory Committee, International Research Institute of Ayurveda, Government of Kerala. She was Nominated member of the Scientific Advisory Committee, National Brain Research Centre (NBRC), Manesar, Haryana. She was nominated member of the Scientific Advisory Committee, Translational Health Science and Technology Institute (THSTI), Department of Biotechnology (DBT), Government of India. She was nominated Adjunct Professor in the Department of Heritage and Technology, IIT, Hyderabad. She has Honorary post of Vice-President of the organisation Shakti, which works for the empowerment of women through Science and Technology. She was nominated member of the Society of the Indian Institute of Advanced Study (IIAS), Shimla, Ministry of Education, Department of Higher Education, Government of India. She was nominated Governing Body member of the Forum on Indian Traditional Medicine (FITM) by Research and Information System for Developing Countries, Ministry of External Affairs, Govt of India. She was Keynote Speaker for National Science Day, Indraprastha University, Delhi. She was Interviewed by Infinity Foundation based in Princeton, USA. She was Interviewed by Indic Academy, India. She was Interviewed for a podcast, Kanha Shanti Vanam podcast, Heartfulness Institute, Hyderabad. She was reviewer for (i) J Medical Physics, (ii) J BioSciences, (iii) Food Biophysics, (iv) Biomed J, (v) Current Science, (vi) J Ayu Integ Med, (vii) J Comp Med Res, (viii) PLOS one.

Professor Uma Sharma completed PhD Thesis Examiner for IIT Delhi and Delhi University.

Professor Virendra Kumar was Listed in World's Top 2% Scientists by Standford-Elsevier. He was External Expert, Board of Studies (BoS), for three years (2021-24), Department of Bio-Science, Manipal University, Jaipur. He was Evaluator for Faculty Promotion, Center for Biomedical Magnetic Resonance (CBMR), Lucknow. He was Reviewer for Journals: a. Scientific Reports, Springer Nature; b. Cancer Imaging, Springer Nature; c. Computers in Biology and Medicine, Elsevier; d. IEEE Access; e. BMC Urology; f. Frontiers in Oncology.

VISITING SCIENTIST

None

9.24 Nuclear Medicine

Professor and Head

CS Bal

Professors

Rakesh Kumar
Madhavi Tripathi
Nishikant A Damle
Chetan D Patel (CNC)
Anil K Pandey (Medical Physics)
Shamim A Shamim

Associate Professor

Bangkim Chandra Khangembam

Highlights

We have expanded our landscape of theranostics and are now regularly doing FAPi therapies. Metabolic PET-guided biopsies are being regularly undertaken for patients requiring the same.

Nuclear Medicine in the Cardiothoracic Centre (CTC) is now equipped with a dedicated cardiac CZT camera for cardiac SPECT imaging assessment of myocardial perfusion in management of patients with coronary artery diseases. PET studies for evaluation of myocardial viability and infective/inflammatory cardiomyopathies are also routinely performed. The faculty delivered a total of 47 lectures in various national and international forums. The department published eighty full papers in peer-reviewed and indexed National & International journals along with 42 published abstracts this year. A total of 73 presentations were made in national and international conferences with 5 awards received. The Faculty were awarded four prestigious orations and chaired various sessions in national meetings. On the research front, the department has 8 research fundings from various organizations/funding agencies.

Education

Lectures in seminars for undergraduates students in various semesters by senior faculty.

No. of Postgraduate students: 62 (33 MD Nuclear Medicine students & 39 MSc. Nuclear Medicine Technology students). A total of 9 DM Nuclear Medicine therapy are also enrolled.

Thesis and research papers by MD, DM and MSc students.

Journal Club/Seminars/Case presentations by MD and DM students. Inter-departmental discussions and meetings and Intra-department lectures by Faculty.

'On site' teaching of MD students while reporting clinical studies.

The department organized the 9th Annual Conference of Nuclear Medicine Physicists Association of India (NMPAICon) on 15 and 16 February 2025 in AIIMS, New Delhi.

Lectures delivered: 47

CS Bal: 10	**Rakesh Kumar: 22**	**Chetan D Patel: 1**
Anil K Pandey: 1	**Madhavi Tripathi: 5**	**Nishikant A Damle: 3**
Shamim A Shamim: 3	**Bangkim Chandra Khangemam: 2**	

CS BAL

1. Evidenced based management of cancers, TATA Memorial Centre XXII Annual Conference, EBM 2024, 29 February 2024, Mumbai
2. Use of modern age theranostics (68Ga-FAPI PET CT) in radioactive iodine refractory DTC., RGCON 2024, 22nd Annual International Conference, 15 March 2024, New Delhi

3. Novel systemic targeted therapies/Approaches in differentiated thyroid cancer, RGCON 2024, 22nd Annual International Conference, 15 March 2024, New Delhi
4. 225Ac-PSMA-617 Alpha Therapy: Current Status In Treating Aggressive Prostate Cancer, 7th Theranostics World Congress, 22 March 2024, AIIMS, New Delhi
5. Glypican 3 therapy, AACR Annual Meeting, 06 April 2024, San Diego, CA, USA
6. Oncologic application of PET/CT, Invited Faculty for teaching by IAEA, Indian Consulate in Vienna, Austria, 22 July 2024, Virtual, online, Rangoon
7. FAPi therapy in cancers, Symposium on the science and medicine of FAPI-based theranostics, 7 August 2024, Berlin, Germany
8. Thyroid diseases therapies, 2024 SNMMI therapeutics conference, 19 September 2024, Maryland, USA
9. India-Nuclear Medicine, 2024 NANETS multipiscipllinary NET medical symposium, 21 November 2024, Chicago, USA
10. Theranostic Nuclear Medicine, 56th Annual Conference of the Society of Nuclear Medicine, 06 December 2024, KMCH, Coimbatore

Rakesh Kumar

1. Functional Imaging and Theranostic in Oncology, CME, 20 April 2024, Rishikesh
2. Incremental value of Bone SPECT/CT for bone metastases, IAEA Teaching, 25 August 2024, Cairo, Egypt
3. Reads with the expert: Case Presentation, IAEA Teaching, 25 August 2024, Cairo, Egypt
4. SPECT/CT in sentinel lymph node imaging/biopsy, IAEA Teaching, 26 August 2024, Cairo, Egypt
5. 99mTc-MIBI SPECT/CT for parathyroid adenoma and carcinoma., IAEA Teaching, 26 August 2024, Cairo, Egypt
6. SPECT/CT in rare applications: Liver/Renal/Brain Tumours, IAEA Teaching, 27 August 2024, Cairo, Egypt
7. Reads with the experts, IAEA Teaching, 28 August 2024, Cairo, Egypt
8. The Zebra in the room: What are neuro-endocrine tumours? IAEA Teaching, 28 August 2024, Cairo, Egypt
9. MIBG SPECT/CT in the diagnosis, staging and treatment response, IAEA Teaching, 28 August 2024, Cairo, Egypt
10. SSTR SPECT/CT diagnosis, staging & selection of pts for PRRT, IAEA Teaching, 29 August 2024, Cairo, Egypt
11. Read with the experts, IAEA Teaching, 29 August 2024, Cairo, Egypt
12. Thyroid Imaging, Surgery Update, 26 September 2024, New Delhi
13. FDG Vs FAPI in HCC, ILBS CME, 28 September 2024, New Delhi
14. PET/CT in Breast Cancer, IPET, 7 October 2024, Vienna, Austria
15. PET/CT in Lung Cancer, IPET, 7 October 2024, Vienna, Austria
16. PET/CT in Colon Cancer, IPET, 7 October 2024, Vienna, Austria
17. PSMA PET/CT in staging of P Cancer, EANM 2024, 21 October 2024, Hamburg, Germany
18. Nuclear Medicine Imaging in Pediatrics, Annual conf Haryana Chapter, 9 November 2024, Faridabad
19. FAPI PET/CT imaging, RT update, 16 November 2024, Bhubneshwar
20. PET/CT in Gastroenterology, Annual Conf ISG, 16 December 2024, Varanashi
21. Nuclear Imaging in Peds Surg, Ped Surg Update 2025, 5 February 2025, New Delhi
22. FAPI as Theranostic tracer, SRMNIM Cuceava, Romania, 28 March 2025, Online

Chetan Patel

1. Review of ICOS CRP data entries, Consultancy Meeting, 15 May 2024, IAEA, Vienna, Austria

Anil Kumar Pandey

1. Validation of Dynamic Stochastic Resonance (DSR) for converting a low-count nuclear medicine image into a high-count image: a phantom study, European Association of Nuclear Medicine 2024 Congress, 21 October 2024, Hamburg, Germany

Madhavi Tripathi

1. Needs and approaches for Neuroimaging, Importance of Nuclear Neuroimaging in the treatment of Neurological disorders, 18 July 2024, Delhi
2. Emerging role of PET in Neuro-oncology, Unravelling the challenges and Dilemmas in Neuro-oncology Imaging, 25 July 2024, Delhi
3. Role of Nuclear Medicine in ageing and Neurodegeneration, National Multi-disciplinary Conference in Medical Specialties, 14 November 2024, Greater Noida
4. Functional Imaging in DRE, Consortium for Research, education, social awareness and training in Neurosciences (CREST), 12 January 2025, Delhi
5. Functional evaluation in DRE: SPECT & PET, ISNR Annual Conference, 23 February 2025, Bengaluru

Nishikant Damle

1. Approach to Metabolic Bone Disease: Role of NM, ANMPICON 2024, 27 September 2024, Chandigarh
2. Role of Nuclear Medicine in Thyroid diseases, SPEEDCON-THYROID 360, 31 August 2024, Delhi
3. Localization of parathyroid lesions using NM techniques, Department of Surgery Annual Day CME, 2 September 2024, New Delhi

Shamim A. Shamim

1. Radionuclides in Current urology practice**,** CMR URO-ONCOLOGY, 27 April 2024**,** Patna
2. Advances in Functional Imaging & Theranostics in Oncology**,** Advances in Functional Imaging & Theranostics in Oncology**,** 21 April 2025**,** Rishikesh
3. PSMA Based theranostics in Prostate cancer**,** CME Uroancillaricon**,** 22 February 2025**,** Bhubaneswar

Bangkim Chandra Khangembam

1. Nuclear Cardiology and AI – A clinical perspective, 9th Annual Conference of the Nuclear Medicine Physicists Association of India (NMPAICON 2025, 15 – 16 February 2025), 16 February 2025, New Delhi
2. Artificial Intelligence in Nuclear Cardiology – A Hot Knife Through Butter, 15th Biennial Conference of Nuclear Cardiological Society of India (NCSICON, 8-9 March 2025), 09 March 2025, Faridabad

Total number of lectures delivered

2022–2023	2023-2024	2024-2025
33	61	47

List of oral papers/posters presented: 73

1. Singhal Abhinav, Damle Nishikant Avinash, Gupta Yashdeep, Khangembam Bangkim Chandra, Preliminary results from a trial of a standardized intravenous insulin protocol for the management of unexpected hyperglycemia before 18F-FDG PET scans, International Conference on Hybrid Imaging (IPET 2024), 7-11 October 2024, Vienna/Austria
2. Meena Ankit, Jauhari Prashant, Gulati Sheffali, Kumarn Senthil, Tripathi Madhavi, et al, Efficacy of repetitive transcranial magnetic stimulation (rTMS) therapy in ESES in children: A single arm intervention, ICNC 2024, 7 May 2024, Cape Town/South Africa
3. Pandey A, Kumar S, Chaudhary J, Kumar P, P. Sharma D, Patel C, Kumar R, Validation of Dynamic Stochastic Resonance (DSR) for converting a low-count nuclear medicine (NM) image into a high-count image: a Phantom Study, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.

4. Gawande A, Khan D, Sagar S, Manikya Y, Nayak B, Khairwa H, Goenka V, Umar M, J Krishna P, Goriparti L, Tilak A, Sharma S, Damle N, Kumar R, Bal C, Clinical utility of 99mTc-MDP in detection and site localization of suspected protein losing enteropathy patients, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.
5. Phulia A, Kumar S, Chaudhary J, Kumar R, Comparative evaluation of pelvic multi-parametric MRI and Ga-68 PSMA-11 PET/CT for Lymph Node staging in prostate cancer patients, EANM 2024, 19-23 October 2024, Hamburg/Germany.
6. Khangembam Bangkim Chandra, Patel Chetan, Jaleel Jasim, Roy Arup, Gupta Priyanka, A machine learning approach based on rest myocardial perfusion image radiomics to detect the presence of hibernating myocardium: a proof-of-concept study, International Conference on Hybrid Imaging (IPET 2024), 7-11 October 2024, Vienna/Austria
7. Khangembam Bangkim Chandra, Kavin M, Chanu Asem Rangita, Wakankar Ritwik, Das Chandan Jyoti, Patel Chetan, Kumar Rakesh, Optimizing metastatic workup in treatment-naïve prostate cancer patients: a machine learning-driven nomogram to reduce superfluous 68Ga-PSMA-11 PET/CT, International Conference on Hybrid Imaging (IPET 2024), 7-11 October 2024, Vienna/Austria
8. Khangembam Bangkim Chandra, Goenka Vikrant Kumar, Chanu Asem Rangita, Tilak Aman, Patel Chetan, Kumar Rakesh, Transfer Learning in Bone Scintigraphy: Superior to Early-Career Readers and Comparable to Experts in Classifying Skeletal Metastasis, 56th SNMICON 2024, 5-8 December 2024, Coimbatore
9. Khangembam Bangkim Chandra, Kavin M, Chanu Asem Rangita, Wakankar Ritwik, Tilak Aman, Kaushal Seema, Seth Amlesh, Das Chandan Jyoti, Patel Chetan, Kumar Rakesh, Machine Learning Using PSMA PET Radiomics Predicts High-Risk ISUP Grade Groups in Treatment-Naïve Prostate Cancer Patients, 56th SNMICON 2024, 5-8 December 2024, Coimbatore
10. Nayak Bhabani Shankar, Velliangiri Sivasankar Kanankulam, Arora Geetanjali, Jain Vrati, Tyagi Apoorva, Soneja Manish, Tripathi Madhavi, Bal CS, et al., FDG-PET/CT guided robotic arm-assisted, percutaneous patient with pyrexia of unknown origin., SNMICON 2024, 10 December 2024, Coimbatore
11. Nayak B, Sagar S, Kanankulam V, Khan D, Gawande A, Sharma L, et al., White blood cell counts as a predictive marker to determine the pretest staging on F-18 FDG PET/CT in Hodgkins Lymphoma patients., EANM 2024, 19-23 October 2024, Humburg/Germany
12. Bal CS, Ballal Sanjana, Kallur Kumar Swamy, Yuan Ye, Rearden Jessica, Shah Kathryn, Lorenz Charlotte, Moran Susan, Song Ken, Sen Ishita, Thakral Parul and Malik Dharmender, A Novel Peptide Binder to Glypican-3 Demonstrates High Specificity as a Theranostic Agent for Hepatocellular Carcinoma, SNMMI 2024, 9 June 2024, Canada(virtual)
13. Bal CS, Ballal Sanjana, Yadav Madhav Prasad, Roesch Frank, Satapathy Swayamjeet, Martin Marcel, Chandekar Kunal, Moon Euy Sung, Tripathi Madhavi and Agarwal Shipra, 177Lu Lu-DOTAGA.FAPi dimer radionuclide therapy in patients with medullary thyroid cancer., SNMMI 2024, 10 June 2024, Canada(virtual)
14. Damle N, Vishnu A, Priyanka G, Ganapathy C, Tandon N, Kataria K et al., 68Ga-DOTANOC PET/CT in patients with tumour-induced osteomalacia: A retrospective single-center experience, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.
15. Damle N, Vishnu A, Ganapathy C, Chandekar K, Priyanka G, Tandon N et al., SSTR PET/CT in patients with ectopic Cushing syndrome – A retrospective single-center experience, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.
16. Damle N, Ganapathy C, Venugopal A, Patwardhan V, Soneja M, Singh A et al., Spectrum of 18F-FDG PET/CT Findings in patients with uncommon bacterial infections – A retrospective single center experience, Nuclear Medicine Update 2025, 6–9 February 2025, Singapore
17. Damle N, Priyanka GB, Vishnu AR, Ganapathy C, Tripathi M, Bal CS et al., PSMA Theranostics: A new path in treating recurrent gliomas and pancreatic cancer, Nuclear Medicine Update 2025, 6–9 February 2025, Singapore
18. Dharmshaktu Y, Damle N, Wakankar R, Bal C, Chumber S, Ranjan R, Kataria K et al., Role of 18F-Fluorocholine PET-CT in the Localization of Ectopic Lesions in Patients with Primary Hyperparathyroidism, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg/Germany.
19. Khan D, Sagar S, KV S, Goriparti L, P J Krishna, Gawande A,. YS M, Shamim SA, Kumar R, Cardiac metastases in Malignant Melanoma Detected on FDG PET/CT., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 22 October 2024, Hamburg/Germany.

20. Khan D, Sagar S, KV S, Damle N, Shamim SA, Tripathi M, Chandra B, Kumar R, Bal C, Evaluating 68Ga-DOTANOC PET/CT for TIO Culprit Lesion Detection and Comparing with CT., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 20 October 2024, Hamburg/Germany.

21. Khan D, Sagar S, KV S, Damle N, Shamim SA, Tripathi M, Chandra B, Kumar R, Bal CS, Evaluating 68Ga-DOTANOC PET/CT for TIO CulpritLesion Detection and Comparing with CT, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.

22. Khan D, Sagar S, KV S, Goriparti L, P J Krishna, Gawande A, S MY,. Shamim SA, Kumar R, Cardiac metastases in Malignant Melanoma Detected on FDG PET/CT, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.

23. Ganapathy C, Damle N, Tripathi M, Bal CS, Goriparti L, Agarwal S et al., Exploring the role of 18F-FDG PET/CT in functioning and non-functioning adrenocortical carcinomas, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.

24. Ganapathy C, Damle N, Chandekar K, Tripathi M, Bal CS, Priyanka G, et al., Imaging with SSTR PET/CT in endocrine syndromes: Insights from a tertiary center experience, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.

25. Ganapathy C, Damle N, Mathiazhagan K, Bal CS, Tandon N, Chumber S et al., Critical role of 99mTc-SESTAMIBI scintigraphy with SPECT/CT in expeditious management of PTH dependent severe hypercalcemia, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany.

26. Ganapathy C, Damle N, Gupta M, Venugopal A, Bal CS, Priyanka GB et al., 68Ga-DOTANOC PET/CT in differentiating sarcoid versus tubercular lymphadenopathy: Is there a role? Nuclear Medicine Update 2025, 6–9 February 2025, Singapore

27. Ganapathy C, Damle N, Priyanka GB, Venugopal A, Bal CS, Nischal N et al., Spectrum of 18F-FDG PET/CT findings in PLHA patients with PUO, Nuclear Medicine Update 2025, 6–9 February 2025, Singapore

28. Gupta Himanshu, Kumar Naresh, Shamim Ahmed Shamim, Mehndiratta Amit, Arora Geetanjali, Kayal Esha and Jaswal Sahil, Prognostic Value of 18F-FDG PET/CT Texture Analysis with GLCM Parameters in Renal Cell Cancer (RCC): A Comprehensive Diagnostic Accuracy Study., SNMMI 2024, 10 June 2024, Canada

29. Lawal Ismaheel, Bruchertseifer Frank, Bal Chandraskhar, Ballal Sanjana, Cardaci Giuseppe, et al., Clinical Phenotype and Outcomes of mCRPC Patients Resistant to 225Ac-PSMA Radioligand Therapy: Analysis of the WARMTH Act Multinational Study, SNMMI 2024, 8-11 June 2024, Canada, virtual

30. P J Krishna, Khan D, Sagar S, Velliangiri S Kanankulam, Goriparti L, Sharma S, Nayak B, Gawande A, Jaiswal A, Patel C, Kumar R, Tripathi M, Damle N, Bal C, Diagnostic Utility of 18F-FDG PET-CT in the detection of underlying malignancy in Paraneoplastic Syndrome, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg, Germany,

31. Jaiswal A, Ganapathy C, Damle N, Venugopal A, Gupta M, Tyagi A et al., Correlation of Inflammatory Markers with 18F FDG PET/CT Imaging in Patients with Pyrexia of Hamburg Origin, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg, Germany

32. Kavin M, Khangembam Bangkim Chandra, Chanu Asem Rangita, Wakankar Ritwik, Tilak Aman, Kaushal Seema, Seth Amlesh, Das Chandan Jyoti, Patel Chetan, Kumar Rakesh, Prediction of High-Very High NCCN Risk in Treatment-Naïve Prostate Cancer Patients Using PSMA PET Radiomics-Based Machine Learning, 56th SNMICON 2024, 5-8 December 2024, Coimbatore

33. Goriparti1 L, Khan D 1, KV S 1, Sagar S 1, Gawande A 1, Nayak B 1, Kumar R, Bal1 CS, Dhiman A1, Sharma S1, P J Krishna1, Wakankar R2, Ganapathy C1, Role of 18F-FDG PET/CT in Hemangiopericytoma, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

34. Tripathi Madhavi, Velliangiri Sivasankar Kanankulam, Nayak Bhabani, Arora Geetanjali, Jain Vrati, Tyagi Apoorva, et al. 1, Robotic arm-assisted, FDG-PET/CT guided percutaneous core-needle biopsies: Initial experience with inclusion of a subgroup of Pyrexia of unknown origin (PUO), 16th AOCNMB, 6 September 2024, Bali, Indonesia

35. Yadav Madhav Prasad, Rahul V, Ballal Sanjana, Roesch Frank, Sheokand Parvind, Satapathy Swayamjeet, Tripathi Madhavi, Agarwal Shipra, Moon Euy Sung and Bal Chandrasekhar, Head-to-head comparison of SSTR

antagonist [68Ga]Ga-DATA5m-LM4 with SSTR agonist [68Ga]Ga-DOTANOC PET/CT in Patients with well differentiated Gastroenteropancreatic Neuroendocrine Tumors: A prospective, Phase II imaging study, SNMMI 2024, 10 June 24, Canada (virtual)

36. Gupta Mahima, Khangembam Bangkim Chandra, Gupta Priyanka, Wakankar Ritwik, Patel Chetan, Comparison of normal field of view and extended field of view in obese patients undergoing myocardial perfusion SPECT on CZT camera, 56th SNMICON 2024, 5-8 December 2024, Coimbatore
37. Gupta Mahima, Wakankar Ritwik, Khangembam Bangkim Chandra, Gupta Priyanka, Patel Chetan, Kumar Rakesh, Comparison of Normal and Extended Field of View Imaging in Obese Patients Undergoing Myocardial Perfusion SPECT Using a Dedicated CZT Cardiac Camera, 15th NCSICON 2025, 8-9 March 2025, Faridabad
38. Kumar N, Shamim S, Meena MR, Yadav S, Mittal R, Ansari M, Gupta R, Dosimetric-guided therapeutic efficacy of 177Lu-tin colloid radio-synovectomy in patients with inflammatory knee joints conditions., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany
39. Kumar N, Shamim S, Jaswal S, Mehndiratta A, Arora G, Kayal E, Gupta H, Decoding recurrence in Prostate Cancer: Insights from 68Ga-PSMA PET/CT radiomics features., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg/Germany
40. Kumar N, Shamim S, Jaswal S, Mehndiratta A, Arora G, Kayal E, Gupta H, Exploring the Impact of 68Ga-PSMA PET/CT Radiomics Features to distinguish between normal prostate tissue vs malignant prostate Cancer., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg/Germany
41. Kumar N, Shamim S, Gupta H, Mehndiratta A, Arora G, E Kayal, Jaswal S, 18F-FDG PET/CT Radiomics features in distinguishing normal kidney from Renal Cell Carcinoma (RCC)., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg/Germany
42. Kumar Naresh, Shamim Ahmed Shamim, Gupta Himanshu, Mehndiratta Amit, Arora Geetanjali, Kayal Esha and Jaswal Sahil, Prediction of diagnostic accuracy with 18F-FDG PET/CT using PET semi-quantitative and radiomics features in pre-nephrectomy Renal Cell Cancer (RCC) patients., SNMMI 2024, 10 June 2024, Canada (Virtual)
43. Kumar Naresh, Shamim Ahmed Shamim, Jaswal Sahil, Mehndiratta Amit, Arora Geetanjali, Kayal Esha and Gupta Himanshu, Advancing Precision in Prostate Cancer (PCa) Diagnosis: A Comprehensive Analysis of 68Ga-PSMA PET/CT Semi-Quantitative and Texture Parameters, SNMMI 2024, 10 June 2024, Canada (Virtual)
44. Kumar Naresh, Shamim Ahmed Shamim, Shivanand G, Shalimar, Gupta Priyanka, Thakral Parul, Sen Ishita B, Dosimetry, safety profile and response assessment of 188Re-N-DEDC/lipiodol in inoperable hepatocellular carcinoma – A prospective study., SNMICON 2024, 8 December 2024, Coimbatore
45. Singh N, Pandey AK, Arora G, Kumar R, Treatment response evaluation using texture analysis on F18 FDG PET/CT in patients with locally advanced breast cancer, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany
46. Priyanka GB, Mathiazhagan K, Ganapathy C, Damle N, Tripathi M, Shamim SA, Kataria K, Role of FDG PET/CT in Intrahepatic Cholangiocarcinoma - A retrospective analysis from a single centre, SNMICON 2024, 5–8 December 2024, Coimbatore
47. Kumar R, Khurana A, Jain V, Sagar S, Khan D, Wakankar R, Dharmashaktu Y, Incremental value of varied time point imaging and SPECT/CT in diagnosis of Duplication Cysts, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany
48. Kumar R, Kumar S, Chaudhary J, Pandey A, Comparison of Ga-68 PSMA PET/CT scan with Tc-99mMDP bone scan for detecting skeletal metastasis in patients diagnosed with prostate cancer, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany
49. Khan Kundu, KV Shiva., Role of F18-FDG PET/CT in the management of angiosarcoma, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany
50. Wakankar R, Dharmashaktu Y, Shamim SA,. Rastogi S, 18F-FDG PET-CT Findings in an Unusual Case Of Paravertebral Giant Cell Tumor., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany
51. Wakankar R, Shamim SA, Rastogi S, 18F-FDG PET/CT Findings in a Rare Case of Renal Synovial Sarcoma with SYT-SSX1 Translocation., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

52. Jaiswal Sahil, Kumar Naresh, Shamim Ahmed Shamim, Mehndiratta Amit, Arora Geetanjali, Kayal Esha and Gupta Himanshu., Enhancing Prostate Cancer (PCa) Diagnosis: Precision Analysis of Diagnostic Accuracy (DA) using 68Ga-PSMA PET/CT based GLCM Texture Parameters., SNMMI 2024, 10 June 2024, Canada (Virtual)

53. Sagar S, Khan D, KV S, YS M, Gawande A, Shamim SA, Kumar R, Damle N, Chandra B, Tripathi M, Bal CS, Rare involvement of Tarsal, Metatarsal and Phalanges in a Case of Erdheim Chester disease., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

54. Sagar S, Khan D, KV S, Kundu N, Viswanathan R, Roy A, Nayak B, Kumar R, Role of DOTANOC PET/CT in the Management of Gastrointestinal Stromal Tumor, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

55. S Shamim, Kumar N, Yadav S, Arora G, Pramanik R, Singhal S, Exploring the utility of 18F-FDG PET/CT in detecting ovarian cancer recurrence with elevated CA-125 levels., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

56. Shamim S, Khadelwal Y, Kumar N, Yadav S, Rastogi S, Role of 18F-FDG PET/CT in response assessment to imatinib in Dermatofibrosacroma protuberans., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

57. Shamim S, Dharmashaktu Y, Wakankar R, Kumar N, Rastogi S, Role of 18F-FDG PET-CT in the Evaluation of Hemangioendothelioma (HE)., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

58. Shamim S, Kumar N, Yadav S, Arora G, Khadelwal Y, Jain B, Clinical utility of PET/CT-guided metabolic biopsies in diagnosing metastatic or doubtful lesions., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg, Germany

59. Shamim Ahmed Shamim, Kumar Naresh, Jaswal Sahil, Mehndiratta Amit, Arora Geetanjali, Kayal Esha and Gupta Himanshu, Diagnostic performance of 68Ga-PSMA PET/CT radiomics features in prostate cancer (PCa) patients., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

60. Shamim Ahmed Shamim, Kumar Naresh, Gupta Himanshu, Mehndiratta Amit, Arora Geetanjali, Kayal Esha and Jaswal Sahil, Exploring Precision Medicine: Unmasking Renal Cell Carcinoma (RCC) through Run Length Matrix (RLM) radiomics features with 18F-FDG PET/CT., SNMMI 2024, 10 June 2024, Canada-Virtual

61. Wakankar Ritwik, Khangembam Bangkim Chandra, Chanu Asem Rangita, Kavin M, Das Chandan Jyoti, Patel Chetan, Kumar Rakesh, Machine learning can predict M1 disease in treatment-naïve prostate cancer patients undergoing 68Ga-PSMA-11 PET/CT, International Conference on Hybrid Imaging (IPET 2024), 7-11 October 2024, Vienna/Austria

62. Ballal Sanjana, Yadav Madhav Prasad, Satapathy Swayamjeet, Roesch Frank, Martin Marcel, Chandekar Kunal, Moon Euy Sung, Agarwal Shipra, Tripathi Madhavi and Bal Chandraskhar, Survival Outcomes in [177Lu] Lu-DOTAGA.FAPi Dimer Radionuclide Therapy for Follicular Cell-Origin Radioiodine-Resistant Thyroid Cancers., SNMMI 2024, 9 June 2024, Canada (virtual)

63. Sagar S, Khan D, KV S, YS M, Gawande A, S. Shamim A, Kumar R, Damle N, Chandra B, Tripathi M, Bal CS, Rare involvement of Tarsal, Metatarsal and Phalanges in a Case of Erdheim Chester disease, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

64. Tyagi A, Damle N, Ballal S, Gawande A, Tiwari V, Kumar P et al., In-house synthesis of 68Ga NOTA UBI as an infection imaging agent: Experience from tertiary centre, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

65. Tyagi A, Damle N, Arora G, Maurya S, Gawande A, Tiwari V et al., Inhouse synthesis of 99mTc-Ubiquicidin (29-41) as an infection imaging agent: Experience from a tertiary center, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

66. Tyagi A, Damle N, Arora G, Katala S, Maurya S, Tiwari V et al., In-house synthesis of 99mTc Ethambutol as a tubercular imaging agent: Experience from tertiary centre, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

67. Venugopal A, Ganapathy C, Damle N, Comparison of 68Ga DOTANOC PET/CT with 131I-MIBG SPECT/CT in patients with suspected pheochromocytoma: Insights from a tertiary center experience, TENDOCON, 2024, Trivandrum

68. Venugopal A, Damle N, Bal CS, Ganapathy C, Dharmshaktu Y, Ravindra SG, Wakankar R et al., Role of 68Ga-DOTANOC PET/CT and 18F-FDG PET/CT in patients with medullary thyroid cancer: Insights from a tertiary center experience, SNMICON 2024, 5-8 December 2024, Coimbatore

69. Vishnu AR, Damle N, Priyanka, Bal C, Tripathi M, Haresh KP, Gupta S, Tandon V, Kumar A, Bharati SJ, PSMA theranostics in high-grade gliomas – augmenting the Nuclear Medicine arsenal, SNMICO2024, 5-8 December 2024, Coimbatore

70. Trivedi V, Kumar R, Mohan A, Malik PS, Patel CD, Pandey AK, Jha S, Mahalik AK,. Babu AS, Dharvesh S, Sharma V, KM A, Sagar S, Khan D, Jaleel J, Gupta P, Utility of Ga68 DOTANOC PET/CT in baseline staging of small cell lung cancer in treatment naive patients, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), 19-23 October 2024, Hamburg/Germany

71. Wakankar R, Damle N, Dharmashaktu Y, Kandasamy D, Chumber S, Tandon N et al., Thyroid Nodule or Intrathyroidal Parathyroid Adenoma?: The Role of Tc-99m Sestamibi Scintigraphy & SPECT-CT, 4D-CT and Needle FNA PTH, Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg/Germany

72. Wakankar R, Damle N, Dharmashaktu Y, Kandasamy D, Ranjan P, Kataria K et al., Three Different Etiologies in Three Similar Looking Intrathyroid Nodules: Role of Tc-99m Sestamibi Scintigraphy & SPECT-CT in a Patient with Primary Hyperparathyroidism (PHPT), Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg/Germany

73. Khandelwal Y, Shamim SA, Jain B, Kumar N, Rastogi S, Navigating metastatic Dermatofibrosarcoma protuberans: Harnessing 18F-FDG PET/CT for prognostic insight., Annual Congress of the European Association of Nuclear Medicine (EANM 2024), October 2024, Hamburg, Germany

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023-2024	2024-2025
61	43	73

RESEARCH

Funded

Ongoing

1. A prospective, Randomized Controlled, open-label, multicenter Trial to evaluate Efficacy, Safety and Patient-reported Outcomes of Peptide Receptor Radionuclide Therapy (PRRT) with Lutetium (177Lu) Edotreotide compared to Best Standard of care in Patients with Well-differentiated Aggressive Grade2 and Grade 3, Dr. C. S. Bal, PSI CRO PHARMA INDIA PRIVATE LIMITED, 5 Years, 2022-2026, Rs 25 Lakhs

2. A Randomized, Double –blind, placebo-Controlled Phase III Study to evaluate the efficacy and safety of Dabrefenib plus trametinib in previously treated patients with locally advanced or metastatic, radio-active iodine refractory BRAFV600E mutation-positive Differentiated Thyroid cancer, Dr CS Bal, NOVARTIS PHARMACEUTICALS PRIVATE LIMITED, 5 Years, 2022-2026, Rs 20 Lakhs

3. Clinical efficacy of 177Lu-FAPi radioligand therapy in metastatic Breast Cancer (mBC) patients, refractory to other conventional treatments (ICMR funded project), Dr. Shamim A. Shamim, ICMR, 3 Years, 2024-2027, Rs 59 Lakhs

4. Diagnostic Accuracy of 68GaPSMA-11 PET/CT and Conventional Imaging for Initial Staging of Intermediate and High-risk Prostate Cancer Patients (the PROCA Study)" funded by the Dr Rakesh Kumar, International Atomic Energy Agency (IAEA), Vienna, Austria, 5 Years, 2022-2025, 25, 000 Euros

5. Evaluating the diagnostic Utility of FDG PET-guided biopsy in FUO'. interdisciplinary project, two years.**,** Dr Madhavi Tripathi, Intramural, 2 years, 2024-2026, Rs 10 + 10 Lakhs

6. IAEA Transthyretin Amyloid Cardiomyopathy study (iTAC study), Dr. Kh. Bangkim Chandra (PI) & Dr Chetan D. Patel (co-PI), International Atomic Energy Agency (IAEA), 5 Years, 2021- ongoing, 25, 000 Euros

7. International study on imaging in Cardio-Oncology Study (iCOS), Dr Chetan D Patel, International Atomic Energy Agency (IAEA), 5 Years, September 2019 -ongoing, 25,000 Euros

8. Paediatric Osteomyelitis: Enhancing Detection Sensitivity of Tc-99m MDP Bone Scan Studies, Dr. Anil Kumar Pandey, ICMR, 3 years, 2025-2028, Rs 33 lacs

Completed

1. Comparison of Re-188-HDD Lipiodol Transarterial Radionuclide Therapy (TART) with Re-188-DEDC Lipiodol TART in the Management of advanced Hepatocellular Carcinoma: A Randomized control trail, Dr Shamim A Shamim, ICMR, 5 Years, 2019-2024, Rs 47.57 Lakhs
2. Role of 177Lu-PSMA therapy in patients with Adenoid Cystic Carcinoma, Dr. Shamim A. Shamim, Intramural Funding, 3 Years, 2021-2024, Rs 10 Lakhs
3. Utility of Radiolabelled Antibiotics as Imaging Agents in Establishment of a Decision Support Algorithm in Patients with Pyrexia of Unknown Origin (PUO) caused by Infection and its Impact on Short Term and Long-Term Clinical Outcomes, Dr Nishikant A Damle, ICMR, 4 Years, 2019-2024, Rs 36 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. 177Lu-DOTATATE Peptide Receptor Radionuclide Therapy (PRRT) and Capecitabine plus Temozolomide (CAPTEM) for Grade 2 and Grade 3 Advanced Neuroendocrine Tumors (NETs)
2. A comparative study of 99mTc-EC and 99mTc-DMSA scans for assessing differential renal function in children undergoing initial evaluation for suspected PUJO
3. A comparative study of 99mTc-EC and 99mTc-DMSA scans for assessing differential renal function in voluntary kidney donors
4. A pilot study to assess the status of PSMA as a theranostic target in advanced /heavily pretreated pancreatic ductal adenocarcinoma
5. A pilot study to assess the status of PSMA as a theranostic target in recurrent glioblastoma multiforme
6. A simplified lymphoscintigraphy staging system for lymphedema: intra- and interobserver agreement and feasibility of machine learning for automated classification
7. A study on the correlation between inflammatory markers in blood and 18F-FDG uptake in bone marrow and spleen in patients with pyrexia of unknown origin
8. Artificial Intelligence for Diagnosis, Local staging, Prognostication of Prostate cancer based on Ga-68 PSMA-11 PET/CT scan and data from multiple clinical modalities
9. Assessment of labelling efficiency, dosimetry and safety profile of ^{188}Re-N-DEDC/lipiodol trans-arterial radionuclide therapy in hepatocellular carcinoma
10. Automatic classification of Ga-68 PSMA-11 PET/CT scan for the diagnosis and staging of patients with Prostate cancer
11. Clinical Profile and Treatment Outcomes of Patients with Tumor-induced Osteomalacia-cia: A Single-center Experience
12. Comparison of diagnostic accuracy of Contrast Enhanced Ultrasound (CE-US) with Sestamibi/SPECT for localisation in Primary Hyperparathyroidism (PHPT): A pilot study.
13. Comparison of Efficacy of F-18 FDG PET and Ga-68 FAPI-46 PET in diagnosis and staging of gastric cancer.
14. Comparison of Emory, Cedar Sinai, 4D-MSPECT and Myometrix softwares for the assessment of Left Ventricular Ejection fraction & Left ventricular volumes using Tc99m-MIBI on CZT SPECT: Correlation with 2D-Echocardiography
15. Comparison of Ga-68 DOTANOC PET-CT with F-18 FDG PET-CT in diagnosis of Cardiac Sarcoidosis
16. Design and methods of the YOGICAD study- A probe trial to evaluate the efficacy of yoga based cardiac rehabilitation in Post PCI patients
17. Diagnostic accuracy of 68 Ga-FAPI-46 PET/CT in Multiple Myeloma patients: A Comparative analysis with 18 F-FDG PET/CT
18. Diagnostic accuracy of 68Ga-NODAGA-JR-11 PET/CT in Neuroendocrine tumor
19. Enhancement of Tc-99m MDP Pediatrics Bone Scan Images Using Blind Deconvolution Algorithm
20. Establishment of normal values of LVEF on 99mTc-MIBI myocardial perfusion CZT SPECT in the Indian population: A correlative analysis with four cardiac software platforms and 2D echocardiography

21. Estimation of Whole-body Radiation exposure to the personnel during Radiolabeling of various Technetium-99m labelled Radiopharmaceuticals
22. Evaluation of ^{68}Ga DOTANOC PET/CT in the diagnosis of sarcoidosis in patients with PUO.
23. Evaluation of extramedullary disease sites in patients with acute myeloid leukemia using F-18 FDG PET-CT
24. Evaluation of Newer Diagnostic Modalities in Indeterminate Thyroid Nodules
25. Fibroblast Activation Protein Targeted Nuclear Theranostics in Metastatic Ovarian Adenocarcinoma: A prospective study
26. Immune microenvironment of Anaplastic Thyroid Carcinoma
27. IVIM-DKI with parametric reconstruction method for staging and assessment of chemotherapy response in lymphoma
28. Prediction of EGFR mutation in non-small cell lung cancer by F-18 FDG PET/CT Radiomics
29. Prediction of high-volume disease in treatment naïve prostate cancer patients undergoing PSMA PET/CT: a machine learning approach
30. Prediction of Moderate to Severe Reversible Ischemia Using Machine Learning Based on Clinical and Stress Myocardial Perfusion Imaging Parameters
31. Predictive value of 99mTc Mebrofenin Hepatobiliary Scintigraphy in evaluating liver function and volumetry in pre- and post- radioembolization in hepatocellular carcinoma (HCC) patients
32. Prevalence of Prodromal Parkinsonism in a cohort of GBA1 carriers
33. Radionomics for prostate cancer risk stratification: A machine learning approach
34. Retrospective analysis of image quality in 99m Tc-MDP
35. Role of F-18 FDG PET CT in the management of Chordoma
36. Role of FDG-PET guided biopsy in PUO
37. Role of Ga-68 PSMA PET in re-RT planning for recurrent high grade gliomas (HGG)- A pilot study
38. Role of pre-processing before compression nuclear medicine image in discrete cosine transformation.
39. Role of Transarterial Embolisation in Metastatic Lung Lesions
40. Striatal to Occipital Ratios (SORs) on [99m-Tc] TRODAT SPECT Imaging
41. Texture analysis for characterization of carcinoma prostate based on 68Ga-PSMA PET/CT
42. Texture analysis to characterize Renal Cell Carcinoma with 18F-FDG PET/CT
43. To correlate the 68Ga-FAPI expression on PET/CT in Hepatobiliary and Pancreatic Malignancies with FAP immunohistochemistry
44. To evaluate FAPI as a potential theranostic in soft tissue sarcoma using 68Ga-FAPI-46 PET/CT and 177Lu-FAPI 46 therapy
45. Treatment response evaluation using 68Ga-PSMA-11 PET/CT in Patients with metastatic castration resistant prostate cancer using percist 1.0 and pswg3 criteria

Completed

1. 68Ga-PSMA PET/CT in Metastatic Renal Cell Carcinoma
2. A machine learning approach to classify skeletal metastasis in bone scintigraphy
3. A probe trial to evaluate the efficacy of yoga based cardiac rehabilitation in Post PCI patients
4. A randomized double blind sham controlled trial for evaluating effectiveness and tolerability of high definition transcranial direct current stimulation in depression
5. A study on the correlation between inflammatory markers in blood and F18 FDG uptake in bone marrow and spleen in patients with pyrexia of unknown origin
6. Assessment of correlation between 2-hour radioactive iodine uptake and 99m Technetium pertechnetate (99m TcO4−) uptake on thyroid scintigraphy in patients with thyrotoxicosis

7. Assessment of disease extent and tumour burden via metabolic indices and textural analysis of tumour in ^{68}Ga-DOTANOC PET/CT in pediatric patients with neuroblastoma-role of ^{68}Ga-DOTANOC PET/CT in comparsion to ^{131}I-mIBG SPECT/CT
8. Comparison of diagnostic accuracy of Contrast Enhanced Ultrasound (CE-US) with Sestamibi/SPECT for localisation in Primary Hyperparathyroidism (PHPT): A pilot study
9. Comparison of normal field of view and extended field of view in obese patients undergoing myocardial perfusion SPECT on CZT camera
10. Comparison of normal field of view and extended field of view in obese patients undergoing myocardial perfusion SPECT on CZT camera
11. Comparison of whole-body MRI with 18-FFDG PET/CT in pediatric lympho-hisiocytic neoplasm
12. Diagnostic accuracy of 68 Ga-FAPI-46 PET/CT in Multiple Myeloma patients: A Comparative analysis with 18 F-FDG PET/CT
13. Dynamic salivary scintigraphy: normal pattern and reference values in Indian Population
14. Dynamic salivary scintigraphy: normal patterns and reference values in the Indian population
15. Establishment of normal values of left ventricular ejection fraction on Tc-99m MIBI myocardial perfucion CZT spect in the indian population: a correlative analysis with four cardiac software platforms and 2D echocardiography
16. Evaluation of 68Ga-DOTANOC PET/CT in the Diagnosis of Sarcoidosis
17. Evaluation of Newer Diagnostic Modalities in Indeterminate Thyroid Nodules
18. FDG-PET/MRI co-registration in non-lesional drug-refractory epilepsy.
19. Hepatobiliary scintigraphic evaluation of gallbladder ejection fraction using a fatty meal protocol: establishment of reference values in the Indian population
20. Hepatobiliary scintigraphy evaluation of gall bladder ejection fraction using fatty meal protocol: establishment of reference values in the Indian population
21. Incremental value of CT over planar and SPECT alone in evaluating solitary lesion on Bone Scintigraphy
22. Incremental value of CT over planar and SPECT alone in evaluation of solitary lesion on bone scintigraphy
23. Mesial temporal SUVR on Tau PET in ADD, non-AD dementias & control groups
24. Normative data of percent colonic transit and its correlation with colonic geometric center
25. Normative data of percent colonic transit and its correlation with colonic geometric center
26. Personnel Dosimetry during FDG-PET Image Guided Automated Robotic Arm-Assisted Biopsies
27. Predictive value of 99mTc Mebrofenin Hepatobiliary Scintigraphy in evaluating liver function and volumetry in pre- and post- radioembolization in hepatocellular carcinoma (HCC) patients
28. PSMA PET Radiomics for prostate cancer risk stratification: a machine learning approach
29. Radionomics for prostrate cancer risk stratification: a machine learning approach
30. Role of 99mTc- Ethambutol Scintigraphy In Diagnosis of Pulmonary and Extra Pulmonary Tuberculosis
31. Role of 99mTc-MDP SPECT/CT bone scan in evaluation of vertebral lesions and its advantage over planar bone scintigraphy
32. Role of 99mTc-Pyrophosphate Imaging in detection of transthyretin cardiac amyloidosis (ATTR-cardiac amylodosis) in high risk population
33. Role of 99m-Tc-Ubiquicidin scintigraphy in diagnosis of orthopaedic implant infection
34. Role of F-18 FDG PET/CT in assessment of treatment response to neoadjuvant chemotherapy in primary extraocular retinoblastoma
35. Role of F-18 Fluoride PET/CT in diagnosis and assessment of response to radiofrequency ablation in Osteoid Osteomas
36. Role of PET-CT in assessment of treatment response to neo adjuvant chemotherapy in primary extraocular retinoblastoma

37. Role of pre processing before compression nuclear medicine image in dicrete cosine transformation
38. Role of SPECT-CT bone scan in evaluation of vertebral lesions and its advantages over planar bone scintigraphy
39. SPECT Image enhancement using fuzzy logic INT operator
40. Study of PD-L1 expression in parathyroid carcinoma
41. Study of prevalence of concomitant Transthyretin Amyloidosis in elderly patients with severe aortic stenosis by PYP scan
42. To study the clinical profile, investigations and outcome of patients undergoing parathyroidectomy: A retrospective and prospective experience
43. Treatment response evaluation using 68Ga-PSMA-11 PET/CT in Patients with metastatic castration resistant prostate cancer using percist 1.0 and pswg3 criteria
44. Utility of 99m-Tc Ubiquicidin in differentiation of infective and noninfective lesions
45. Validation of dynamic stochastic resonance for converting a low count nuclear medicine image into a high-count image: a phantom study
46. Validation of Dynamic stochastic resonance for converting a low count nuclear medicine image into a high count image: a phantom study
47. Visual vs SPM evaluation of FDG-PET studies in drug refractory epilepsy

Collaborative projects

Ongoing

1. A comparison of modulating effect of cTBS and low frequency rTMS on cortical excitability in children and adolescents aged 5-14 years with Lesional Drug refractory Epilepsy (Focal epilepsy or electrical status epilepticus in sleep): An open label randomized non-inferiority crossover study”., Pediatric Neurology
2. A cross-sectional study to assess the severity of neurogenic bowel dysfunction, quality of life, functional status, and whole bowel transit in spinal cord injury, Department of Physical Medicine and Rehabilitation, AIIMS, New Delhi
3. A Phase III, Open-label, Multicenter, Randomized study evaluating the safety and efficacy of Polatuzumab Vedotin in combination with Rituximab plus Gemcitabine plus Oxaliplatin (R-GEMOX) versus R-GEMOX alone in patients with relapsed/refractory diffuse large B-cell lymphoma., Medical Oncology
4. Aortic and lung inflammation following COVID: a marker of cardiac event an Indo-Australian joint project- funded by Department of Science & Technology, Cardiology
5. Clinical and radiological profile, risk associates, caregiver burden and clinical outcomes in early and late onset dementia., Neurology
6. Comparing the diagnostic utility of 18F-FDG PET/CT with bone marrow biopsy in detecting bone marrow metastases in newly diagnosed Neuroblastoma, Department of Pediatrics, Division of Pediatric Oncology, AIIMS, New Delhi
7. Comparison of 68Ga PSMA PET/CT scan with Multiparametric MRI of the prostate for loco-regional staging in patients with intermediate to high risk prostate cancer., Urology
8. Comparison of Suprascapular Nerve Block and Capsular Hydrodilatation in Adhesive Capsulitis of Shoulder: A Randomized Controlled Trial, Department of Physical Medicine and Rehabilitation, AIIMS, New Delhi; Department of Radiodiagnosis and Interventional Radiology, AIIMS, New Delhi
9. Diagnostic Accuracy of 68Ga PSMA-11 PET-CT and conventional Imaging for Initial staging of Intermediate and High Risk Prostrate cancer Patients (PROCA study), Urology
10. Efficacy of yoga based cardiac rehabilitation in Post-PCI patients: A prospective randomized, open-label, blinded end-point trial- funded by Ministry of AYUSH, CIMR, Cardiology
11. Evaluating the spectrum of etiologies for rapidly progressive dementias in a tertiary care setting., Neurology
12. Inflammatory Cardiomyopathy: A study using Artificial Intelligence to validate a diagnostic algorithm combining novel proteomic biomarkers, non-contrast MRI and somatostatin receptor based PET/CT, Cardiology, Cardiac Radiology

13. Minimally invasive nano enabled targeted technology for Sentinel Lymph Node SLN detection., ENT
14. Role of Liquid biopsy in Diagnosis, Risk Stratification and Response monitoring in Neuroblastoma, Department of Pediatrics, Division of Pediatric Oncology, AIIMS, New Delhi
15. The role 68Ga PSMA PET/CT scan as a single staging modality in prostate cancer‘., Urology

Completed

1. A prospective multimodal evaluation of Subacute Sclerosing Panencephalitis in children., Pediatric Neurology
2. A randomized double-blind sham-controlled trial for evaluating effectiveness and tolerability of high-definition transcranial direct current stimulation in depression, Psychiatry
3. A study to determine the prognosis of patients with cardiac involvement with sarcoid: development of diagnostic and treatment algorithms., Cardiology, Cardiac Radiology
4. Advanced Neuroimaging techniques in drug resistant focal Epilepsy., Neuroimaging and Interventional Neuroradiology
5. Comparative assessment of PET and ASL-MR perfusion techniques along with usefulness of novel MRI markers for early detection of primary dementia., Neuroimaging and Interventional Neuroradiology
6. Efficacy of repetitive transcranial magnetic stimulation(rTMS) therapy in ESES in children: A single arm interventional study., Pediatric Neurology
7. Evaluation of factors impacting prognosis in skull base osteomyelitis, ENT
8. The effect of a structured home-based exercise program on the functional outcome in patients with knee osteoarthritis and its predictors for successful outcome, Department of Physical Medicine and Rehabilitation, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023-2024	2024-2025
Total funded projects	10	9	10
Total funding	620 Lakhs + 69000 euro	154 Lakhs + 50000 Euros	157 Lakhs + 50000 Euros

Publications:

Journals: 54 **Abstracts: 38** **Chapters in Book: 01**

Publications

Item	2022–2023	2023-24	2024-25
Total	148	172	93
Journal articles	97	107	54
Abstracts	51	63	38
Chapters in books	0	2	01
Books	-	-	-

Diagnostic Scans and Radionuclide Therapies Administered in the Department of Nuclear Medicine and PET from April 2023 to March-2024

PATIENT CARE	2023-2024
Therapeutics	
I-131 Therapy	396
^{131}I-Therapy for Hyperthyroidism	309
^{177}Lu – DOTA TATE therapy	57
^{177}Lu- PSMA-617 therapy	47

PATIENT CARE	2023-2024
^{177}Lu--FAPI therapy	82
^{131}I-MIBG-Therapy	19
Diagnostics	
F-18 FDG-PET	9878
Ga-68 DOTANOC PET	831
Ga-68 PSMA PET	529
Ga-68 FAPI PET	170
PET guided biopsy	130
Plain CT-Scans	329
GFR	2295
RAIU	502
Blood pool studies	16
DMSA Scan	1607
DRCG	89
ECD-SPECT	643
GER	233
GET	185
GHA SPECT	2
HIDA	414
Lymphoscintigraphy	259
MDP Bone scans	1161
MIBG-Diagnostic	167
Meckel's Scan	113
PTH SPECT	484
Renal Dynamic scans	4323
Sentinal Lymphoscintigraphy	3
Thyroid Scan	584
Tc-99m TRODAT	357
Myocardial perfusion studies	1680
RNV study	359
Cardiac PET	359
Perfusion studies (V/Q scan + Tc99m-PYP)	124

Patient care (other items may be added/removed as per activity of department)

Item	2021–2022	2022–2023	2024-2025
OPD consultations	8148	10771	14, 384
Total inpatient admissions	322	446	365

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor CS Bal received the Infosys best paper in oncology in 4th Annual Research day, 30 January 2025, AIIMS and was awarded the 2024 Sun Pharma Science Foundation Research Fellowship for Medical Sciences (Clinical Research) in recognition of his pioneering contributions to Therapeutic Nuclear Medicine.

Professor Rakesh Kumar is Editor in Nuclear Medicine Communications (Official Journal of British Society of Nuclear Medicine).

Professor Chetan D Patel Delivered "Professor RD Lele Oration" at the 22nd Annual Association of Nuclear Medicine Physicians of India (ANMPI) Conference at the Post Graduate Institute of Medical Education & Research, Chandigarh, September 2024. He was Chairperson in the Nuclear Cardiology session in the 56th SNMICON in Coimbatore on 6 December 25 and in the 15th Biennial conference of the NCSI on 8.3.25 in Sarvodaya Hospital in Faridabad Harayana. He was Member Store Purchase Committee of Center for Integrative Medicine & Research (CIMR). He was Chairman, Selection Committee for recruitment of core staff at CIMR under COE Scheme, AYUSH.

Professor Anil Kumar Pandey was Hal Anger Oration; 8th Annual Conference of Nuclear Medicine Physicist Association of India (NMPAICON 2024) 23-24 February 2024. Shri Mata Vaishno Devi Narayana Superspeciality Hospital (SMVDNSH), Katra, at Jammu. He was Chairperson/Organizing Committee/Scientific committee at 9th Annual Conference of Nuclear Medicine Physicists Association of India, 15 February 2025 to 16 February 2025, AIIMS, New Delhi.

Professor Madhavi Tripathi received the 'Brig. SK Mazumdar Oration' in the 56th Annual Conference of SNMI in Coimbatore, India. She got an oral presentation award in the AOCNMB held in Bali, Indonesia in September 2024.

Dr Shamims PhD student won the Shakuntala Krishnamurthy best paper award in hepatology in SNMICon 2024 Conference in Coimbatore.

Dr Khangembam Bangkim Chandra received two Best Poster Awards at International Conference on Hybrid Imaging (IPET 2024), 7-11 October 2024, Vienna, Austria. One Highlight Abstract in Highlight Lecture at International Conference on Hybrid Imaging (IPET 2024), 7-11 October 2024, Vienna, Austria. He received Best Paper Award at 56th SNMICON 2024, 5-8 December 2024, Coimbatore, India. He was chaired a session on "Robotics and AI in Nuclear Medicine" at the 9th Annual Conference of the Nuclear Medicine Physicists Association of India (NMPAICON 2025, 15 – 16 February 2025), held at AIIMS, New Delhi. He is a Member of the Indian College of Nuclear Medicine (MICNM). He was a member of the Advisory Committee of the 9th Annual Conference of the Nuclear Medicine Physicists Association of India (NMPAICON 2025, 15–16 February 2025), held at AIIMS, New Delhi. He is a Member of the Hospital Infection Control Committee (HICC), AIIMS, New Delhi.

9.25 Obstetrics and Gynaecology

Professor and Head

Neena Malhotra

Professors

Vatsla Dadhwal
(took VRS on 05 February 2025)

JB Sharma
(Retired on 31 January 2025)

Neeta Singh

K Aparna Sharma

Garima Kachhawa

Reeta Mahey

Additional Professors

Vidushi Kulshrestha
(till 30 June 2024 Professor w.e.f 01 July 2024)

Seema Singhal
(till 30 June 2024 Professor w.e.f 01 July 2024)

Jyoti Meena
(till 30 June 2024 Professor w.e.f 01 July 2024)

Rajesh Kumari

Juhi Bharti

Associate Professors

Nilanchali Singh

Richa Vatsa

Deepali Garg

Archana Kumari

Anju Singh

Neha Varun

Soniya Dhiman

Anubhuti Rana

Assistant Professors

Sushree Monika Sahoo

Swati Tomar

Jyotsna Sharma
(Contractual)

Scientist-I

Arun Kumar

Monika Saini

HIGHLIGHTS

The Department continues to serve as a pillar of excellence in women's healthcare across all stages of women's life by providing comprehensive patient care through subspecialities including Reproductive Medicine, Maternal-Fetal Medicine, Minimally Invasive Surgeries, Gynae Oncology and Urogynaecology besides High-Risk Obstetrics and General Gynaecology. Department is also running Anaemia, Gynae-endocrinology and Menopause clinic to address hormonal and nutritional needs of women. Department has expanded Oncofertility services to support the unique needs of young women undergoing cancer treatment, effectively bridging oncology and reproductive care. Integration of Yoga, Birth Planning, and Respectful Maternity Care into routine obstetric practice has enhanced patient satisfaction and clinical outcomes. As part of its patient education initiatives, department has developed comprehensive patient information leaflets and Antenatal Care Booklet to provide essential guidance to pregnant women throughout their pregnancy. Hands-on training programs were conducted on contraceptive implants and department received Appreciation Award for the highest number of sub-dermal implant insertions. The department also organised training and workshops on Respectful Maternity Care and ultrasonography for faculty, residents and nurses.

Regular obstetrics and gynaecology services are provided at CRHSP, Ballabgarh alongwith OPD services at Jhajjar. There is a dedicated Gynae Oncology OPD and OT services at NCI, Jhajjar as well. As a WHO Collaborating Centre for Cervical Cancer Prevention and Research, department conducted international training program in Colposcopy and Management of Precancerous Lesions for Ministry of Health officials from Maldives and Sri Lanka. Through adoption of advanced diagnostics and minimally invasive surgical techniques, department remains committed to delivering state-of-the-art evidence-based care.

EDUCATION

Undergraduate Teaching

Undergraduates are posted in the department for clinical postings from 4th semester onwards. Didactic lectures are taken for 6th and 8th semester students. The list of didactic lectures delivered during this period is as follows:

Total UG lectures: 42

Postgraduate teaching:

Total PG Seminars: 31

Menopausal hormonal therapy (MHT)

Innovations in teaching techniques

1. Skill lab Training activities for undergraduate and postgraduate students
    a. Dry Skill Lab: Pelvic examination, Normal Delivery, CuT insertion, Episiotomy suturing, CTG Interpretation
    b. Wet Skill Lab: Cadaveric Workshops, LEEP and Thermal Ablation
2. Simulation training activities for undergraduate and postgraduate students to ensure adequate skills
    a. Drills: PPH, Eclampsia, Shoulder Dystocia, Maternal Collapse
    b. Basic Life Support
3. Endoscopic Training
    a. Robotic Simulation Activities and Port Placement on Cadavers
    b. Pelvic Endotrainers
4. Dedicated training sessions for the interns to enhance their skills through competency-based training along with comprehensive abortion care training on regular basis
5. Weekly classes for students of sub-specialties in the department (Reproductive Medicine/Gynae Oncology/ Urogynaecology/Minimally Invasive Gynaecology/Fetal Medicine)
6. Morning 8-9 am journal clubs initiated to discuss landmark trials in the field of Obstetrics and Gynaecology
7. Regular audit of gynaecological procedures in addition to perinatal and caesarean audits.
8. Orientation program of junior, senior residents and staff nurses was introduced at the beginning of monthly labour room posting to enhance their skills related to intrapartum care, obstetric emergencies and respectful maternity care.
9. Classes on basics of ultrasound in obstetrics and gynaecology for better understanding and enhancing the skills in ultrasound
10. Small group discussions for respectful abortion care involving faculty, senior and junior residents and staff nurses
11. SOPs in obstetrics were drafted by department to streamline the clinical care provided to patients

CMEs, Workshops, Symposia, National and International Conferences

1. USG simulator course and 3D/4D workshop, 29 April 2024, AIIMS, New Delhi
2. Advocacy meet- International Midwifery Day, 3 May 2024, New Delhi
3. Skill Enhancing Course in Colposcopy & Treatment of CIN AOGIN Interim CME, 4 May 2024, AIIMS, New Delhi
4. Fetal Neurocon 2024 – Live demonstration workshop on fetal neurosonography, 9 August 2024, AIIMS, New Delhi
5. AIIMS WHO CC Training on Colposcopy and Management of Precancerous Lesions for Maldives and Sri Lanka MoH Officials, 19-24 August 2024, AIIMS, New Delhi
6. Training on Subdermal Single Rod Contraceptive Implants organized by Department of Obstetrics and Gynaecology, AIIMS, New Delhi with WHO India Country Office, 6 September 2024, AIIMS, New Delhi

7. Workshop on Respectful Maternity Care, Annual Conference of NARCHI Delhi, 5 October 2024, AIIMS, New Delhi
8. Training on Injectable Contraceptive MPA (IM and SC), organised by Department in collaboration with Directorate of Family Welfare and WHO-Country Office for India, 8 November 2024, AIIMS, New Delhi
9. Cervical cancer awareness initiative for EHS & their dependents, 11-17 November 2024, AIIMS, New Delhi
10. Training on Respectful Maternity Care for Faculty, Residents, Nurses and Support staff in association with Astrika Foundation, 15-16 November 2024, AIIMS, New Delhi
11. Workshop on Positive Birthing Experience & Respectful Maternity Care, 17 November 2024, AIIMS, New Delhi
12. Workshop Daily Practice in Fetal Medicine, 46th Annual Conference of AOGD 2024, 21 November 2024, AIIMS, New Delhi
13. Live Hysteroscopic Surgery Workshop Cum Symposium" under aegis of Hysteroscopy Society of India, 15 December 2024, New Delhi
14. Workshop on Respectful Maternity Care, Sir Ganga Ram Hospital, 28 December 2024, New Delhi
15. POISE- Ultrasound workshop, 1 March 2025, New Delhi
16. Screening and vaccination drive for EHS on occasion of international women's week, 3-8 March 2025, AIIMS, New Delhi

Short- & Long-Term Training

1. Dr Neha Nayak, 3 April-1 May 2024, 1 month, Gynae-Onco, Bir Hospital, Nepal
2. Dr Anamika Jha, 18 April-14 May 2024, 1 month, Urogynaecology, Bir Hospital, Nepal
3. Dr Sabina Shrestha, 18 April-14 May 2024, 1 month, Urogynaecology, Bir Hospital, Nepal
4. Dr Neseema Sedhain, 18 April-14 May 2024, 1 month, DM (Rep. Med), Bir Hospital, Nepal
5. Dr Komathy Chockalingam, 1-26 July 2024, 4 weeks, Elective training in Obs. & Gynae, Lancaster University Medical School, UK
6. Dr Aminath Limya, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Indhira Gandhi Memorial hospital, Maldives
7. Dr Thasneem Faroog, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Indhira Gandhi Memorial hospital, Maldives
8. Dr Aminath Zahra, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Indhira Gandhi Memorial hospital, Maldives
9. Dr Aminath Amaal, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Hulhumale hospital, Maldives
10. Dr Aminath Juhaina Hameed, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Hulhumale hospital, Maldives
11. Dr Aishnath Neena Shareef, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Indhira Gandhi Memorial hospital, Maldives
12. D.I Senadeera, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Castle Street Hospital for Women, SriLanka
13. K.S Jayasinghe, 19-24 August 2024, 6 days, Preventive Gynaeoncology, German SriLanka Friendship Hospital for women Galle, SriLanka
14. R.D Wijesinghe, 19-24 August 2024, 6 days, Preventive Gynaeoncology, National Hospital Kandy, SriLanka
15. Thanuya Mahendran, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Teaching Hospital Jaffna, SriLanka
16. I.N.S Herath, 19-24 August 2024, 6 days, Preventive Gynaeoncology, Family Health Bureau, SriLanka
17. Professor Pikee Saxena, 20 July-19 October 2024, 3 months, Reproductive Medicine, LHMC
18. Dr Ambreen Qureshi, 23 September-22 December 2024, 3 months, Maternal Fetal Medicine, Govt. Medical College, Srinagar

19. Dr Nalini Arora, 16 October-30 November 2024, 13 days, Fetal Medicine, PGIMER& ESIC Medical College, Kolkata
20. Dr Poojan Dogra, 16-30 November 2024, 15 days, Maternal Fetal Medicine, AIIMS, Bilaspur
21. Dr Rupshnata Gogoi, 01-28 February 2025, 1 month, Maternal Fetal Medicine, Assam Medical College, Dibrugarh

Lectures delivered at CME's, National and International Conferences:

Lectures delivered: 192

Neena Malhotra: 35	**Vatsla Dadhwal: 12**	**J. B. Sharma: 2**
Neeta Singh: 7	**K Aparna Sharma: 33**	**Garima Kachhawa: 4**
Reeta Mahey: 5	**Vidushi Kulshrestha: 17**	**Seema Singhal: 10**
Jyoti Meena: 16	**Rajesh Kumari: 1**	**Juhi Bharti: 10**
Nilanchali Singh :10	**Richa Vatsa: 5**	**Deepali Garg: 1**
Archana Kumari: 2	**Anju Singh: 8**	**Neha Varun: 8**
Soniya Dhiman: 2	**Anubhuti Rana: 6**	**Sushree Monika Sahoo: 1**
Swati Tomar: 2		

Neena Malhotra

1. Country adaptation of Essential Childbirth Care course (ECBC) Inter professional Midwifery Education Toolkit for sexual, reproductive, maternal and newborn health in India, Expert Group consultation: Country adaptation of Essential Childbirth Care course (ECBC), 4 April 2024, Hyderabad
2. Challenges in reproduction in post IVF world, XXIV Annual meeting of Triavandrum Ob-Gyn, Club "ADVANCES 2024", 6 April 2024, Trivandrum
3. Fertility preservation in Cancer patients, XXIV Annual meeting of Triavandrum Ob-Gyn, Club "ADVANCES 2024", 6 April 2024, Trivandrum
4. Removal of the space occupying lesions of the Uterus: When, Which and How much?, CME Organized by ARMY Hospital, Ayurvigyan Auditorium, AHRR, 14 April 2024, New Delhi
5. SWAYAM – ART OF NATURAL BIRTHING Keynote on International midwifery day, workshop and Advocacy meeting, MGIMS, 3 May 2024, Maharashtra
6. Medical and ethical challenges in fertility preservation, ISAR – ReproMed Update 2024, 12 May 2024, AIIMS, Jodhpur
7. Demystifying Genital tuberculosis for clinicians, Futurecon Conference, 19 May 2024, Bhubaneswar
8. Understanding Adenomyosis; imaging, effect on fertility and impact on ART outcome, Futurecon conference, 19 May 2024, Bhubaneswar
9. PCOS & Infertility, FOGSI COGS Amazing Ovary conference, 8-9 June 2024, Coimbatore
10. Beyond the pill – oral contraceptive in Endometriosis, CME, Jaipur Obstetrics and Gynaecology Society, 11 June 2024, Jaipur
11. The intricacies of frozen embryo transfer: When, how & current evidence., Attending ISAR Regional and MSR Annual Conference, 15-16 June 2024, Shirdi
12. Medical and ethical challenges in fertility preservation – are we ready yet?, Wisdom 2024 – A FOGSI National Conference, 21-23 June 2024, Kolkata
13. Ethical And Social Concerns of Fertility Preservation at session- Mixed Bag: Spark is Still There, NZIMSCON Conference 2024, 13 July 2024, Faridabad
14. Voices of change initiative, where we are bringing together obstetrician and gynaecologists, Workshop on Birthing, ASTRIKA Foundation, 19 July 2024, Bangalore
15. Fertility management and ART in PCOS, Annual Meeting of Society of Maternal Fetal Medicine, 20 July 2024, Udaipur
16. Patient – Centric Approach in Fertility Treatments, 5th IVF Summit & Awards, 25 July 2024, Online

17. Assessment of blood flow in uterus and ovaries – Clinical significance of perifollicular & Endometrial blood flow., ISAR – ASPIRE Regional Conference – The Art and science of conception, Challenges and opportunities, 2 August 2024, Pune
18. Moderator "Infertility (Case discussion), 25th Practical Course and CME- 2024, MAMC, 9 August 2024, New Delhi
19. Genetic Causes and Future Directions, FOGSI FIGO Global Conference on Updates in Obstetrics and Gynaecology 2024 conference, 24 August 2024, Hyderabad
20. Factor VII- A Game Changer in preventing PPH, Modern approach in Ob-gyn practice innovation to implementation, NORTH ZONE FOGSI, 8 September 2024, Kosambi, Ghaziabad
21. Ultrasound in ART, Role of PRP, "FUSION 2024, International Conference on reproductive medicine, jointly organized by ESHRE, IFS and ISAR, 13-15 September 2024, Jaipur
22. Stem cells in Reproductive Medicine, My experience with Dual stimulation?, "FUSION 2024, International Conference on reproductive medicine, jointly organized by ESHRE, IFS and ISAR, 13-15 September 2024, Jaipur
23. Understanding differences in when to time stimulation, luteolysis, trigger, LH suppression, "FUSION 2024, International Conference on reproductive medicine, jointly organized by ESHRE, IFS and ISAR, 13-15 September 2024, Jaipur
24. Ovarian Cryopreservation – Global vs Indian Perspective, "FUSION 2024, International Conference on reproductive medicine, jointly organized by ESHRE, IFS and ISAR, 13-15 September 2024, Jaipur
25. The enigmatic Female Genital Tuberculosis: Have We Reached a Consensus in Management?, 46th Annual Conference of AOGD, 23 November 2024, New Delhi
26. Ovulation Induction Protocols for IUI, IUI Workshop at 92nd Foundation Day of the Department of Obstetrics and Gynecology KGMU Lucknow organizing a IUI workshop, 29 November 2024, Lucknow
27. One Stop fertility scan, FERTICON, 14-15 December 2024, Akola
28. Fertility preservation and endometriosis- present scenario, fact or fiction, Endometricon, 20-22 December 2024, Varanasi
29. Cryopreservation in Gynaecological disorders, 62nd AICOG 2025 – Advanced ART Workshop – Session- IV: Precision in Practice Protocols, 8-12 January 2025, Mumbai
30. Imaging in Obgyn Workshop – Session 3: Imaging in Infertility, AICOG 2025, 8-12 January 2025, Mumbai
31. Moderator on Imaging in Obgyn Workshop – Scanning in Fertility, AICOG 2025 Workshop, 8-12 January 2025, Mumbai
32. Updates in Infertility – what every gynaecologist should know?, AICOG 2025, C G Saraiya CME, 9 January 2025, Mumbai
33. Uterine Factors: Recurrent Implantation Failure, AICOG 2025, 11 January 2025, Mumbai
34. IFS Session-One Stop Fertility Scans – How Meaningful?, 29th ISAR Annual Conference, 8 February 2025, Lucknow
35. Keynote Address-I The Future of Fertility Preservation in India, ISSRF – 2025, Conference on Integrating basic biological and applied research into clinical practice for human welfare, 14 February 2025, Jaipur

Vatsla Dadhwal

1. Management of Isoimmunised Pregnancy, FETOVISION 24, 19 April 2024, Kolkata
2. Invasive Procedures in Multiple Pregnancies, SFM Delhi Chapter Online Quarterly Meeting, 29 April 2024, Virtual
3. Fetal Interventions – an overview, Fetal Medicine Symposium, 2 May 2024, Virtual
4. Ultrasound Learning : Doppler study in FGR, Postgraduate Academic Fiesta, 7 July 2024, LHMC, New Delhi
5. Rh Isoimmunised pregnancy: Optimizing Intrauterine and Transplacental Therapy from T1-T3, PG Forum : Maternal Haematology and Fetology, 13 July 2024, Safdarjung Hospital, New Delhi

6. Intrauterine Transfusion (IUT): Video Presentation, Society of Fetal Medicine Delhi Chapter Quarterly Meeting, 3 August 2024, UCMS & GTB Hospital, New Delhi
7. Role of natural course of CNS disorders in adequate antenatal counselling, Neurocon 2024 Society of Fetal Medicine, 9-11 August 2024, Gurugram
8. Setting the Scene – Indian Context: Aneuploidy Screening and testing in Multiple pregnancy, Fetal Medicine Foundation India (FMSI), 24 August 2024, Dehradun
9. Complications specific to Monochorionic Pregnancies – Tailored approach, Fetal Medicine Foundation India (FMSI), 24 August 2024, Dehradun
10. RH is immunization, Pregnancy management, Rhesus Awareness Masterclass Gurgaon Obstetrics and Gynaecology Society CME, 19 October 2024, Gurgaon
11. First Trimester Early Prenatal Care: How to get it right?-Case-Based approach, 46th Annual Conference of AOGD 2024, 21 November 2024, AIIMS, New Delhi
12. Twin-Twin Transfusion Syndrome: All We Need to Know, Society of Fetal Medicine Observes World TTTS Awareness Month, 17 December 2024, Online

JB Sharma

1. Stress urinary Incontinence, FOGSI ICOG CME MOGDCON, 23 June 2024, Muzaffarpur
2. Over active Bladder, AICOG 2025, 8 August 2025, Mumbai

Neeta Singh

1. IVF Access and Affordability: Exploring the Ethical, Autonomy, and Insurance Aspects of Assisted Reproduction, National IVF Summit 2024, 14 June 2024, New Delhi
2. Immunotherapy in IVF, current evidence, CME at Amrita Hospital, 23 August 2024, Faridabad
3. Current evidence on role of immunotherapy in IVF, FUSION Conference 2024, 15 September 2024, Jaipur
4. What we learnt from the POSITIVE trial? "Breast cancer and fertility", 11th Annual Conference of Fertility Preservation Society of India (FPSI), 28-29 September 2024, Hyderabad
5. A case for fertility preservation and egg freezing for all and POR, ISAR-UNS Collaborative Masterclass, 23-24 November 2024, Bangalore
6. Addressing thin endometrium challenges in Assisted Reproductive Technology, 67th All India Conference of Obst. & Gynae (AICOG), 10-12 January 2025, Mumbai
7. Fertility sparing in gynaecological cancers; walking the tight rope, 23rd Annual International Conference – "RGCON 2025, 22 March 2025, New Delhi

K Aparna Sharma

1. Shoulder Dystocia Drill, PG-Academic fiesta, 28 April 2024, RML hospital
2. Hypertensive disorders in pregnancy, CME by Mathura Obstetrics and Gynaecology Society, 27 April 2024, Mathura
3. Thalassemia in Pregnancy, SFM World Thalassemia Day Webinar, 8 May 2024, Online
4. Respectful maternity Care, Webinar by South Asia Social Norms and Agency Learning Collaborative (SA-SNALC), 16 May 2024, Online
5. Preeclampsia: Consideration in Everyday Practice, Webinar by Society Fetal Medicine, 22 May 2025, Online
6. Controversies in Myomectomy, ART summit, 15 June 2024, Shirdi
7. GDM: Managing the growing tide, Web Conference on High Risk Pregnancy, 23 June 2024, Online
8. Multiple Pregnancy, Webinar by OGSSI, 28 June 2024, Online
9. NT+DM+PLGF: what do the numbers mean, SFM outreach prgram, 30 June 2024, Zirakpur
10. Multiple Pregnancy, Gurukul Classes, 6 July 2024, Online
11. Phenotype Genotype, Multidisciplinary Approach Towards Fetal Care, 7 July 2024, Pune

12. FNAIT, PG Forum: Maternal Haematology and Fetology, 13 July 2024, New Delhi
13. Gender equality in global health, Innovation to Implementation: Advancing Healthcare through Digital Health, 20 July 2024, Delhi
14. POCQI; Step 1 and 2, Quality Improvement Workshop, 2 August 2024, LHMC
15. Technologies for Monitoring Fetal Well-being, National FOGSI Convention, 6 August 2024, New Delhi
16. Ventriculomegaly, Fetal Neurocon, 9 August 2024, Gurgaon
17. Fetal Growth Restriction (Case Discussion), 25 Practical Course and CME, 10 August 2024, New Delhi
18. IOL – Efficacy and safety in clinical practice, FOGSI FIGO Global Conference on Updates in Obstetrics and Gynaecology 2024, 25 August 2024, Hyderabad
19. Rh Negative Pregnancy, IAECON 2024, 7 September 2024, Ghaziabad
20. Rh Isoimmunization; Still a Problem?, Annual Conference of Still birth society of India, 15 September 2024, Hyderabad
21. Intrauterine transfusion, CUSP, 27 September 2024, Chennai
22. Prenatal Genetic testing, CUSP, 29 September 2024, Chennai
23. TORCH SEROLOGY, Precongress WS on fetal Medicine, 19 November 2024, New Delhi
24. Surgery Checklist, Consent, and Risk Management: Simulation Session, 46th Annual Conference of AOGD, , 22 November 2024, New Delhi
25. National Stakeholder Convening for Improving PPH outcome, USAID SAMVEG, 23 November 2024, Online
26. Fetal Interventions in Twin and Multiple Pregnancy: Challenging Cases, GEFOG health foundation webinar, 24 November 2024, New Delhi
27. Twin Twin Transfusion Syndrome: All We Need to Know, TTTS awareness webinar, 17 December 2024, Online
28. Early Pregnancy Scan, 67th AICOG, 8 January 2025, Mumbai
29. Rare but Not Alone: From Awareness to Action, SFM Webinar on Rare Disease Day, 27 February 2025, Online
30. CTG in the Labour Room: Strategies for Effective Fetal Monitoring, IRC RCOG India North Annual Conference 2025, 1 March 2025, New Delhi
31. Haematological Disorders in Pregnancy, IRC RCOG India North Annual Conference 2025, 2 March 2025, New Delhi
32. Every Journey Matters, SFM webinar on Birth Defects, 3 March 2025, Online
33. Tackling Maternal weight gain with Yoga", 1st International Conference on Advances in Integrative Medicine -AIM 2025, 7 March 2025, New Delhi

Garima Kachhawa

1. Rudimentary horn: Diagnostic dilemma in adolescence, National Adolescent Health Conference NAHICON 24, 27-28 July 2024, Patna
2. Energy Sources in Hysteroscopy, IAECON 2024 FOGSI IAECC, 8 September 2024, Ghaziabad Delhi NCR
3. Basic infertility Dilemmas- what every gynecologist encounters?, 67th AICOG-2025, 8-10 January 2025, Mumbai
4. Challenges in the Management of Hypertension in Pregnancy, METCAD 2025, 22-23 February 2025, Mussoorie

Reeta Mahey

1. Fertility preservation- case based discussion, Webinar by Special Interest Group (Fertility Preservation), 4 July 2024, Online webinar
2. Counselling for fertility preservation- What a counselor should know, Webinar by Indian Fertility Society, 17 August 2024, Online Webinar
3. Management strategies for infertility in PCOS women, YUVA-ISAR, 26-27 October 2024, Patna, Bihar
4. Ethical dilemmas in fertility preservation and OTC in adolescents, FERTIVISION 2024, 8 December 2024, Ahemdabad

5. Endoscopy before and after IVF, IAGE Conference, 24-26 January 2025, Rajgir, Patna

Vidushi Kulshrestha

1. Ultrasound diagnostic dilemmas: A-V malformations, 4th Annual Conference of Greater Noida Obstetrics & Gynaecological Society (GNOGS), 7 April 2024, Greater Noida
2. Amniotic fluid embolism, 2nd North India Gynaec Forum (NIGF) Annual Conference, organized by UP Chapter of NIGF in collaboration with Gorakhpur Chapter of ISOPARB & Gorakhpur Obs. &Gynaec Society, 27 July 2024, Gorakhpur
3. Sudden Maternal Collapse, 2nd North India Gynaec Forum (NIGF) Annual Conference, 27 July 2024, Gorakhpur
4. Removal of Implant, Training on Subdermal Single Rod Contraceptive Implants (SDI)collaboration with WHO, 6 September 2024, AIIMS, Delhi
5. FAQs: Interactive session, Training on SDI, 6 September 2024, AIIMS, Delhi
6. Medical Eligibility for Implants, Training on SDI, 6 September 2024, AIIMS, Delhi
7. Subdermal implant (SDI) insertion technique, Training of Trainers (ToT) Programme for subdermal contraceptive implant at GJPWMC Hospital, JDWNRH, Thimphu; in collaboration with Ministry of Bhutan and WHO, 15 January 2025, Thimphu, Bhutan
8. Post-insertion Instructions and Follow-up Care, ToTProgramme for SDI, 15 January 2025, Thimphu, Bhutan
9. SDI Removal technique, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
10. Post-removal Instructions and Care, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
11. Removal of Implant Requiring Special Skill, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
12. Eligibility and Client Assessment for Implants, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
13. SDI-Care of Arm Model, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
14. SDI-FAQs, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
15. SDI-Management of Side Effects and Problems, ToT Programme for SDI, 15 January 2025, Thimphu, Bhutan
16. Technical aspects of subdermal implants, Training Programme for SDI, in collaboration with Directorate of Family Welfare, Safdarjung Hospital, 20-21 March 2025, New Delhi
17. Myoinositols in GDM, 36th Annual UP Conference of UPCOG 2025, 23 March 2025, Agra

Seema Singhal

1. Primary HPV Screening or VIA, 16th National Conference of ISCCP, 13 April 2024, Raipur
2. Current Paradigm Shift in Management of Advanced Endometrial Cancer, Webinar on endometrial cancer care, 28 August 2024, AGOI (International webinar)
3. Genital tract microbiome and gynaecological cancers, AOGIN India 2024, 5 October 2024, Puducherry
4. Abnormal vulvar lesions, AOGIN India, 4 October 2024, Puducherry
5. Demonstration of Vulvoscopy, AOGIN India 2024, 4 October 2024, Puducherry
6. Future of MIS in India, 31stAnnual Conference of the Association of Gynaecologic Oncologists of India, 8 December 2024, AGOICON Kochi
7. Clinical Implications of Newer Classifications in Endometrial & Cervical Cancers, Webinar on Implications of Molecular classification of endometrial cancer, 11 December 2024, AGOI (virtual)
8. Fertility Preservation in Gynaecological Cancers, 23rd Annual International Conference – "RGCON 2025", 22 March 2025, RGCI Delhi
9. Hereditary Gynaecological Cancers, IRC RCOG Annual Conference 2025, 1 March 2025, New Delhi
10. Carcinoma Cervix, 3rd Oncology updates 2025, 13 April 2025, New Delhi

Jyoti Meena

1. Interpretation with case scenarios: Normal or Abnormal colposcopy, AOGIN Interim CME on Skill Enhancing Course in Colposcopy & Treatment of CIN, 4 May 2024, AIIMS, New Delhi
2. Cervical Intraepithelial Neoplasia-Difficulty in Decision, CCC-Episode-20 Webinar, 12 June 2024, Online
3. Inappropriate hysterectomy for cancer cervix (Case Presentation), AGOI Case presentation series, 10 July 2024, Online
4. From Misapprehension to revelation: Story of a Pelvic Mass, AOGD Monthly Meet, 30 August 2024, Delhi
5. Introduction to Cervical Cancer Screening: WHO guidelines, WHO-CC Training on Colposcopy and the Management of Precancerous Lesions for Maldives& Sri Lanka MoH officials, 19 August 2024, AIIMS, New Delhi
6. Excisional Procedure: Conization, WHO-CC Training on Colposcopy and the Management of Precancerous Lesions for Maldives& Sri Lanka MoH officials, 21 August 2024, AIIMS, New Delhi
7. Cervical Challenges: Dynamic case based discussion, FOGSI IAECON Conference, 7 September 2024, Ghaziabad Delhi NCR
8. Molecular classification of ca endometrium, CME: Basics to Breakthrough in Gynae Oncology "Series 2 Endometrial cancer, 14 September 2024, Delhi
9. Hypofractionated radiation therapy in gynecologic cancer, 52 ASGO webinar series, 26 September 2024, Online
10. HPV vaccination in special populations, AOGIN 2024 conference, 5 October 2024, Puducherry
11. Exploration of Subspecialty Program in Gynecologic Oncology: Europe and USA, ASGO 2024, 30 November 2024, Bali, Indonesia
12. Current Trends in Educational Material Development for gynecologic oncology, ASGO 2024, 1 December 2024, Bali, Indonesia
13. An update on the clinical development for cervical cancer, ASGO Webinar #55 Review Course 2024: Final Session of the Year, 19 December 2024, Online
14. Beyond Routine Care: Addressing Mental Health in Gynaecological Cancer, 1st NCPO-2025, 5 January 2025, Delhi
15. Fertility sparing in gynaecological cancers; walking the tight rope, 23rd Annual International Conference – "RGCON 2025, 22 March 2025, Delhi
16. Endometrial cancer genetics case-based discussion, FOGSI Gynaecologic Oncology Committee CME on Integrating Genetics in Women cancer care, 29 March 2025, Delhi

Rajesh Kumari

1. Cervical cancer among WLHIV Screening, linkage & Treatment, National distance learning seminar series I-TECH, 20 December 2024, Online

Juhi Bharti

1. Ovulation Induction protocols and brief overview of Assisted Reproductive Technology, Training course on Basic management of infertility for Healthcare Professionals organised by National Institute of Health and Family Welfare, 6 August 2024, Delhi
2. One Stop Fertility Scan, Workshop on USG in infertility at ARTiculate 2024, 2nd Annual conference of IFS, Bihar chapter, 25 August 2024, Patna
3. Tubal Evaluation: SIS, HyCoSy, HyFoSy, Workshop on USG in infertility at ARTiculate 2024, 2nd Annual Conference of IFS, Bihar chapter, 25 August 2024, Patna
4. ART Regulations – What every gyanecologist should know, FUSION 2024, International conference on Reproductive Medicine, 13 September 2024, Jaipur
5. Uterus:Function and structural anomalies, Teaching module of IFS-Amity Program: "Diploma in Clinical ART (DCR), 4 October 2024, Noida
6. Cervix and fallopian tube: Function and structural anomalies, Teaching module of IFS-Amity Program: "Diploma in Clinical ART (DCR), 4 October 2024, Noida

7. Shoulder Dystocia Drill, NARCHI Delhi 2024, 30th Annual Conference, 5 October 2024, Delhi
8. Troubleshooting in Embryo Transfer, FERTIVISION 2024, 20th Annual Conference of Indian Fertility society, 6 December 2024, Ahmedabad
9. Integrative medicine in women health, 1st International Conference on Advances in Integrative Medicine (AIM) 2025: *Ancient Inspiration, Modern Evidence*, 7 March 2025, Delhi
10. Puberty for boys and girls, Puberty workshop at DPS, East of Kailash, 18 March 2025, Delhi

Nilanchali Singh

1. Cancer Prevention in Young women, AOGD Cervical & Breast Cancer Prevention Committee, 29 April 2024, Delhi
2. Shielding Future: Safeguarding Adolescent against Rising Cancer, Adolescent Health Committee, FOGSI & AOGD, 2 May 2024, Online
3. Placenta Accreta Spectrum, Surgical Skills under aegis of FOGSI Safe Motherhood Committee and National Association of Mentors for Adolescent Health (NAMAH), 2 July 2024, Online
4. Cervical Cancer Screening and HPV Vaccination, Moradabad Obs and Gyne Society, 3 July 2024, Online
5. Concerns related to menstrual and pregnancy-related issues in patients with Systemic Lupus Erythematosus (SLE), Indo-Nepal Lupus Awareness Initiative: Lupus, Menstrual and Pregnancy: Your Doubts, 21 July 2024, Online
6. Colposcopy & Treatment of CIN, AOGD Oncology Committee- Colposcopy Workshop Module 2024-2025, 25 July 2024, Online
7. Self-Collection for HPV testing: Challenges and Limitations, Deep Dive into Approaches Towards Cervical Cancer Screening-Understanding the Barriers and Opportunities, 4 February 2025, Online
8. Casebased management of screen positives, North Zone Yuva FOGSI 2025, 21 February 2025, Delhi
9. Hereditary Gynaecological Cancers, Evidence to Excellence: Mastering the Art of Obstetric Decision-Making, 1 March 2025, Online
10. Invasive mole, 13th Webinar of National Society Study of Trophoblastic Disease in India, 8 March 2025, Online

Richa Vatsa

1. Management of Gestational Diabetes Mellitus- For OHAs, Mobicon: Intersection Of Medicine And Obstetric, , 20 April 2024, AIMS, Mohali, Punjab
2. Gender Affirmative Care –Gynecologist's Perspective Management of Differences in Sex Development, Workshop on Child and Adolescent Gender Affirmative Care "Looking at Children and not just Boys & Girls", 8 June 2024, AIIMS, New Delhi
3. Hypertensive Emergency in Pregnancy, ACOG SAFOG FOGSI Postgraduates Virtual Simulation, supported by Stanford University USA, David Geffen School of Medicine at UCLA, USA, AIIMS, New Delhi & Trainee services institute of medical sciences, Pakistan, 27 July 2024, Online
4. Enhancing Prenatal Care: From Chromosomes to Corticosteroids, Organised by OFMAG, 13 August 2024, Online
5. Tips and Tricks of Simple ovarian cystectomy, Yuva IAGE:The Bihar Chapter, 24 January 2025, Rajgir

Deepali Garg

1. Managing the complications of endoscopy, FOGSI certified basic endoscopy training programme, 12 April 2024, Delhi

Archana Kumari

1. Ultrasound in ART: Friends forever, Webinar, 27 June 2024, Online
2. Frozen embryo transfer for all, YUVA ISAR 2024, 27 October 2024, Patna, Bihar

Anju Singh

1. Screening and Treatment Protocol for uniform against resource based (Debate Speaker), ISCCPCON-2024, 13-14 April 2024, Raipur
2. Case Scenarios and discussions on maternal Near Miss, Not to Miss- The Maternal Near Miss Webinar, 21 June 2024, Online
3. Pathogenesis of Cervical cancer with special reference to HPV Infection, WHO-CC Workshop for Maldives and Srilanka Delegates, 19 August 2024, AIIMS, New Delhi
4. Single Visit Approach, WHO-CC Workshop for Maldives and Srilanka Delegates, 23 August 2024, AIIMS, New Delhi
5. Cervical Cancer Screenig- Detect The Detectable, Webinar on Practical Tips in Obstetrics and Gynaecology, 23 August 2024, Online
6. Prevent the preventable and detect the detectable, AOGD 2024, 22 November 2024, New Delhi
7. Clinical Interpretation of VIA, Workshop for ANMs and PHNs on Strengthening Primary Care for Cervical Cancer Prevention, 23 January 2025, New Delhi
8. Demystifying Vulval Conditions, NZYF 2025, 22-23 February 2025, New Delhi

Neha Varun

1. Screening and diagnosis: Controversy to consensus, 39th National conference of Indian society of perinatology and reproductive biology, 27 April 2024, Raipur
2. Contraception in special situations, MTPCON, 31 August 2024, Latur
3. Approach in previous LSCS, NARCHI (workshop), 3 October 2024, Delhi
4. Episiotomy: Video session, NARCHI, 6 October 2024, Delhi
5. Prevent the preventable and detect the detectable., AOGD, 22 November 2024, Delhi
6. Subcutaneous Implants and Demonstration of Implants, East Zone Yuva FOGSI, 20 December 2024, Siliguri
7. Subdermal Implants: Practical tips & tricks, North zone Yuva FOGSI, 23 February 2025, Delhi
8. Safety in Hysterectomy Tips & Tricks, IAGE-AAGL, 15 March 2025, Pune

Soniya Dhiman

1. Shoulder dystocia: Skill & Drill, Postgraduate Academic Fiesta, ABVIMS & Dr RMLH, 28 April 2024, New Delhi
2. Assisted Breech Vaginal Delivery, Postgraduate Academic Fiesta, ABVIMS & Dr RMLH, 10 November 2024, New Delhi

Anubhuti Rana

1. Invasive Procedures in Multiple Pregnancies, SFM Delhi Chapter Online Quarterly Meeting, 29 April 2024, Online
2. Counselling session on Down syndrome in previous pregnancy, Postgraduate Academic Fiesta, 7 July 2024, New Delhi
3. Essence of MNM Reporting, Not to Miss: Maternal Near Miss (organized by National Association of Mentors for Adolescent Health India, NAMAH), 16 August 2024, Online
4. Management of side effects of Implants, Training on Subdermal Single Rod Contraceptive Implants, 6 September 2024, New Delhi
5. Early Prenatal Care: How to get it right?, Daily Practice of Fetal Medicine: Preconference workshop AOGD, 21 November 2024, New Delhi
6. Drugs used for Special Population, International Pharmacology Conference and 54th Annual Conference of Indian Pharmacological Society-IPSCON 2024, 29 November 2024, New Delhi

Sushree Monika Sahoo

1. Beyond the Epidural: Non Pharmacological Labour Analgesia, North Zone Yuva FOGSI-2025, 23 February 2025, Delhi

Swati Tomar

1. Cervical Cancer: Everything you need to know, Pan Caribbean Partnership against HIV and AIDS (PANCAP) Webinar on HPV, Anorectal and Cervical Cancers- Prevention, Screening, Diagnosis and Treatment, 21 May 2024, Online
2. WHO Cervical Cancer Elimination Strategy, FOGSI North Zonal Conference with YUVA 2025, 25 February 2025, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
200	170	192

LIST OF ORAL PAPERS/POSTERS PRESENTED: 140

1. Afreen Z, Dadhwal V, Kulshrestha V…..Bharti J11, An insight to incomplete motherhood: Emotional turmoil of women undergoing second trimester medical termination of pregnancy for fetal anomalies, AICOG 2025, 10 January 2025, Mumbai
2. Afreen Z, Dadhwal V, Kulshrestha V…..Vatsa R.7, Emotional response & mental health of women undergoing 2nd trimester medical termination of pregnancy for fetal anomalies., NARCHICON Delhi, 5 October 2024, New Delhi
3. Agarwal M, Vatsa R, Bharti J, Dhiman S., Laparoscopic management of adenomyoma in unicornuate uterus masquerading as functional rudimentary horn., 46th AOGD Annual Conference 2024, 24 November 2024, New Delhi
4. Agarwal S, Bharti J, Bharti S…..Malhotra N, Shared symptoms, divergent paths: Exploring dengue and HELLP in pregnancy., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi
5. Aggarwal A, Deoghare M, Nisha…..Sharma JB.2, A comparative study of complications in two surgical approaches for stress urinary incontinence: Autologous rectus fascia sling surgery and transobturatormidurethral tape., SOVSI, 8-9 February 2025, New Delhi
6. Aggarwal A, Kumari R, Sharma JB…..Deoghare4, Navigating the challenge: Managing huge Gartner's cyst. A video presentation., Urogynaecon 2024, 26 May 2024, Bhatinda
7. Aggarwal A, Sharma JB, Kumari R…..Khan M, Evaluating patient outcomes after the Manchester Operation: A clinical study, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi
8. Aggarwal A, Sharma JB, Kumari R…..Khan M.6, Manchester surgery: Pioneering progress and clinical excellence, RECOGYN 2024, 27-29 September 2024, Gurgaon
9. Aggarwal A, Sharma JB, Kumari R…..Deoghare M, Revitalizing Comfort: A case series on intra-vesical cocktail therapy for bladder pain syndrome management., 1st FEPPA Annual Conference, 20-21 April 2024, Gurgaon
10. Agrawal S, Dhiman S, Yadav A….Malhotra N9, Unveiling maternal and perinatal outcomes in Eisenmenger Syndrome: A case series from an apex institute., 67th AICOG, 08-12 January 2025, Mumbai
11. Anuhya S, Garg D, Sahoo MS....Yadav S, Anterior vaginal wall endometrioma- Masquerading as Gartner's cyst., NARCHICON Delhi, 05 October 2024, New Delhi
12. Bagdi R Sharma KA, Dadhwal V, Rana A, From detection to decision: Managing variants of uncertain significance in prenatal genetic testing- A report of three cases, FMF World Congress 2024, 29 June-3 July 2024, Prague, Czech Republic
13. Bajaj S, Sahoo SM, Meena J….Dadhwal V., Navigating challenges of a metallic valve: A tale of arrhythmia complicating restenosis., NARCHICON, 3 October 2024, New Delhi
14. Bharti J, Malhotra N, Soni S, Swetha GG., Does endometriosis impact ovarian response and oocyte competence in women undergoing IVF.ICSI cycles., FUSION 2024, 15 September 2024, Jaipur

15. Bharti S, Bharti J, Kulshrestha V….Malhotra N., Role of uterine artery embolization (UAE) in management of vascular Retained products of conception with severe bleeding-Experience from a tertiary hospital., 46th AOGD Annual Conference 2024, 24 November 2024, New Delhi
16. Bhati M, Singhal S, Kumari R….Malhotra N., Patterns of emergency care in gynecologic oncology at a tertiary care center: Lessons learned., AGOICON 2024, 06-08 December 2024, Kochi
17. Bhavana, Mahey R, Jayraj AK….Tomar S, An interventional study on effect of laparoscopic ovarian drilling in anovulatory infertile PCOS women resistant to Letrozole + HMG based ovulation induction, 67th AICOG-2025, 8-12 January 2025, Mumbai
18. Bhavana, Mahey R, Jayraj AK….Tomar S, Comparison of laparoscopic ovarian drilling and step- up gonadotropin therapy on follicular response in anovulatory infertile polycystic ovarian syndrome women undergoing ovulation induction cycles- Randomized controlled trail, 20th Annual Conference of the Indian Fertility Society, 6-8 December 2024, Gandhinagar
19. Bhavana, Mahey R, Jayraj AK…Tomar S12, Comparison of laparoscopic ovarian drilling and step- up gonadotropin therapy on follicular response anovulatory infertile polycystic ovarian syndrome women undergoing ovulation induction cycles- Randomised controlled trail, 4th Research Day, AIIMS, 30 January 2025, New Delhi
20. Challa A, Nagpal S, Taneja B….Kachhawa G5, Machine learning based multi-omics data integration for diagnosis of bacterial vaginosis in Indian women, 25th World Congress, International Union against Sexually Transmitted Infections (IUSTI), 17-20 September 2024, Sydney, Australia
21. Challa A, Nagpal S, Tyagi R….Kachhawa G13, Multiomics strategies for elucidation of pathophysiology of bacterial vaginosis., International Conference on Reproductive Biomedicine, 14-16 February 2025, Jaipur
22. Chekuri K, Kaur M, Dadhwal V…. Varun N., Clinical dilemma: Co-existing fetal supraventricular tachycardia and placenta percreta, 46th AOGD Annual Conference 2024, 23 November 2024, New Delhi
23. Chinchewadi A, Sharma A, Rana A….Sharma JB, Successful pregnancy outcome in a rare case of steroid resistant Nephrotic Syndrome, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi
24. Dadhwal V, Sharma KA, Kaur M, Rana A., A case with unique ultrasound features of congenital CMV infection., Fetal Neurocon 2024 – Live demonstration workshop on fetal neurosonography, 09 August 2024, AIIMS, New Delhi
25. Dahiya D, Dadhwal V, Sharma KA, Rana A., Prenatal diagnosis of Vein of Galen Malformation: A case series, Fetal Neurocon, 08 August 2024, New Delhi
26. Das N, Saini SK, Sharma DN…..Singhal S., Bone marrow sparing extended field CRT with ddNACT in Stage IIIC2 carcinoma cervix: A phase II study., ESTRO Congress 2024, 03-07 April 2024, Glasgow, UK
27. Dave K, Negi A, Singh A…Kachhawa G., Facing a postpartum twist: Battling Bell's palsy in hypertensive pregnancy., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi
28. Deoghare M, Sharma JB, Kumari R., Combining Manchester-Fothergill procedure along with iliococcygeous muscle suspension for young women with uterine descent and cervical elongation: A video presentation, Urogynaecon 2024, 26 May 2024, Bhatinda
29. Deoghare M, Sharma JB, Kumari R 3, Various pain manifestations following laparoscopic sacrohysteropexy and sacrcolpopexy, 1st FEPPA Annual Conference, 20-21 April 2024, Gurgaon
30. Deoghare M, Sharma JB, Kumari R…..Aggarwal A, A comparative study of surgical complications in autologous rectus fascia pubovaginal sling surgery and transobturatormidurethral tape procedure for SUI, 49th Annual Meeting of IUGA 2024, 19-22 June 2024, Singapore
31. Deoghare M, Sharma JB, Kumari R…..Khan M, Purandare's cervicopexy in treatment of genital prolapse in reproductive age women, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi
32. Deoghare M, Sharma JB, Kumari R….Khan M, Various mesh related complications following laparoscopic sacrohysteropexy and sacrcolpopexy, RECOGYN2024 3rd World Congress of Reconstructive & Cosmetic Gynaecology, 27-29 September 2024, Gurgaon
33. Deoghare M, Sharma JB, Kumari R….Khan M, A novel technique using autologous rectus sheath for treatment of genital prolapse in reproductive age women: Beyond the traditional, International Continence Society 54th Annual Meeting 2024, 23-25 October 2024, Madrid, Spain

34. Dhiman S, Chaudhary T, Bharti J….Malhotra N, Experience with two different methods of tubal patency testing after introduction of an evidence-based 3D Hysterosalpingocontrast sonography (HYCOSY) with conventional Hysterosalpingography (HSG) technique, NZYF 2025, 21-23 February 2025, New Delhi

35. Dhiman S, Gupta A, Sharma KA….Malhotra N, Rheumatic heart disease in pregnancy: Experience from an apex institute of India, RCOG World Congress 2024, 15-17 October 2024, Muscat, Oman

36. Dhiman S, Sharma KA, Gupta A……Malhotra N, Feto-maternal outcomes in women with Ebstein's anomaly: A case series from an apex centre, FOGSI South Zonal Conference with Yuva 2024, 9-11 August 2024, Mysuru

37. Dilip R, Sharma KA, Dadhwal V….Dahiya D, Foetalgoitre: A tale of two thyroid conditions, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

38. Dilip R, Vatsa R, Kulshrestha V, Malhotra N, Torqued pedunculated fibroid- A differential diagnosis of acute abdomen, 67th AICOG, 10 January 2025, Mumbai

39. Dodum M, Varun N, Dadhwal V…. Singh N, Angular pregnancy: A diagnostic dilemma, 46th AOGD Annual Conference 2024, 22 November 2024, New Delhi

40. Garg D, Das P, Sharma K A…. Dadhwal V, Antenatally detected foetal urinary tract dilatation and its prognostic significance, Southcon 2024, 19 July 2024, Mahabalipuram

41. Garg H, Varun N, Kumari R…. Dadhwal V, Vascular related products of conception – An integrative management involving interventional radiology & minimally invasive approach, 46th AOGD Annual Conference 2024, 24 November 2024, New Delhi

42. Gupta A, Sharma KA, Dadhwal V, Rana A., Intrauterine transfusions in twin pregnancies: A tertiary care, Fetal Neurocon, 10 August 2024, New Delhi

43. Gupta N, Rana A, Dadhwal V…Kumar N, Pregnancy outcome in women aged 40 years and above: A retrospective case-control study, RCOG World Congress 2024, 15-17 October 2024, Muscat, Oman

44. Gupta T, Sharma KA, Dadhwal V….Wadhwa G, The use of IVIG in obstetric practice: Efficacy in managing rare conditions, 46th AOGD Annual Conference 2024, 23 November 2024, New Delhi

45. Gupta T, Sharma KA, Dadhwal V, Rana A, sFlt.PlGF ratio as a biomarker for adverse maternal and fetal outcomes in hypertensive disorders of pregnancy: An ambispective analysis, FMF World Congress 2024, 29 June-03 July 2024, Prague, Czech Republic

46. Haldar S, Singhal S 3, Gastric-type adenocarcinoma of cervix: Myriads of clinical presentations and management strategies, 22nd Annual Conference of the Women's Cancer Initiative- Tata Memorial Hospital, 25-27 October 2024, Mumbai

47. Ila, Sharma KA, Dadhwal V, Rana A, Prospective study to develop nomograms of fetal brain structures in North India Populations and assess these fetal brain structures in growth restricted fetuses using nomograms, Fetal Neurocon, 10 August 2024, New Delhi

48. Ila, Sharma KA, Dadhwal V…..Das SK, A prospective study to develop nomograms of fetal brain structures based on north Indian population and assessing these fetal brain structures in growth-restricted fetuses, Fetal Neurocon 2024 – Live demonstration workshop on fetal neurosonography, 9 August 2024, AIIMS, New Delhi

49. Jain K, Thapliyal A, Tomar AK…Datta SK, Expression analysis of oxidative stress related genes and associated miRNAs in idiopathic recurrent pregnancy loss, ISSRF 2025, 16 February 2025, Jaipur

50. Kachhawa G, Gupta T, Suyesha S….Mahey R, Distinct pro-inflammatory markers in gestational hypertension and preeclampsia: A prospective study, 67th AICOG-2025, 8-12 January 2025, Mumbai

51. Kamboj S, Sharma K A, Dadhwal V, Rana A, Fetal intracranial hemorrhage: Prenatal diagnosis and post-natal outcomes., Fetal Neurocon, 08 August 2024, New Delhi

52. Kapoor S, Goel R, Dhamija E….Singhal S, Implications of revised Ovarian-Adnexal reporting and data system (V2022) for evaluation of adnexal masses., IGCS 2024, 16-18 October 2024, Dublin, UK

53. Kaundal S, Negi A, Rana A….Sharma JB, Successful pregnancy outcome with caesarean delivery in a rare case of phaeochromocytoma, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

54. Kaushal K, Negi A, Chhabra V…..Sharma JB, Gestational Gigantomachia- The challenges of management and follow up., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

55. Kulshrestha V, Nisha, Vatsa R…Dadhwal V, Postoperative functional recovery with ERAS after elective caesarean: A randomized clinical trial., RCOG World Congress 2024, 15-17 October 2024, Muscat, Oman

56. Kulshrestha V, Varun N, Negi A….Malhotra N.10, Single centre experience of Implanon-Nxt: The newly introduced single rod subdermal contraceptive implant in India., 67th AICOG, 10 January 2025, Mumbai

57. Kulshrestha V, Vatsa R, Dhiman S, Malhotra N., Accessory Cavitated Uterine Malformation (ACUM): A rare cause of chronic pelvic pain in postmenopausal woman, RCOG World Congress 2024, 15-17 October 2024, Muscat, Oman

58. Kumari A, IVF Outcome in women with past history of tuberculosis., YUVA ISAR, 27 October 2024, Patna

59. Kumari A, Prevalence of premalignant & malignant endometrial abnormalities in infertile women with polycystic ovarian syndrome., FERTIVISION 2024, 08 December 2024, Ahmedabad

60. Kumari A.3, Evaluation of predictors of response to ovulation induction using Letrozole in women with PCOS: A prospective cohort study from North India., FUSION 2024, 14 September 2024, Jaipur

61. Kushwah R, Gupta T, Singh A….Kachhawa G, Cabergoline: A promising therapy for reducing inflammatory markers and pain in endometriosis, 67th AICOG-2025, 8-12 January 2025, Mumbai

62. Kushwah R, Kachhawa G, Bhatla N…. Singh A8, Evaluating the effect of cabergoline vs dienogest on serum pro-inflammatory markers in endometriosis management., 67th AICOG-2025, 8-12 January 2025, Mumbai1

63. Kushwah R, Sahu N, Rana A….Sharma JB., Recurrent urinary infection in pregnancy: From challenges to solutions, 46th AOGD Annual Conference non-contained morcellation: A rare case, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

64. Kushwah R, Sahu N, Rana A….Sharma JB., Recurrent urinary infection in pregnancy: From challenges to solutions., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

65. Kushwah R, Tarang G, Singh A….Kachhawa G14, Role of cabergoline in enchasing conception in endometriosis associated infertility., FOGSI North Zonal Conference with Yuva, 22-23 February 2025, New Delhi

66. Mahey R, Arthi KJ, Kumari A…Shukla A, Evaluation of additive effect of yoga on follicular response among infertile PCOS women undergoing ovulation induction cycles- Randomized controlled trial, FERTIVISION 2024, 6-8 December 2024, Ahmedabad

67. Mahey R, Social and ethical challenges for availing third party reproduction for AYA women in Asian countries: A questionnaire-based task force analysis, ASGO 2024, 27-29 November 2024, Bali, Indonesia, Online

68. Malhotra N, Correlation Of Cardio-Metabolic Indices With Serum AMH Among Different PCOS Phenotypes and Comparison with Healthy Age Matched Control, 22nd AE-PCOS Annual Meeting, 7-9 November 2024, Queenstown, New Zealand

69. Malhotra N, Sub-Endometrial Instillation of Platelet Rich Plasma (Se-Prp) For Thin Refractory Endometrium in Women Undergoing Frozen Embryo Transfer (Fet) – A Pilot Study, American Society for Reproductive Medicine (ASRM) 2024 Scientific Congress & Expo, 19-23 October 2024, Denver, USA

70. Mangal S, Singh N, Singh S…. Meena J, Female sexual dysfunction among gynecological cancer survivors and its correlation with neurotrophic biomarkers, ESGO 2025, 20-23 February 2025, Rome

71. Meena J, Halder S, Priya S…..Malhotra N., Role of neutrophil-to-lymphocyte ratio (NLR) and platelet-to-lymphocyte ratio (PLR) to predict histopathological response in advanced stage high grade serous epithelial ovarian cancer., ASGO 2024, 30 November 2024, Bali

72. Negi A, Mahey R, Kumari A…Kachhawa G., Laparoscopic management of uncommon uterine variant- Accessory cavitary uterine Malformations and case series., IRC 2025, RCOG India North Annual Conference, 02 March 2025, New Delhi

73. Niharika, Bharti J, Bharti S, Malhotra N., Corrosive injury with burst abdomen in pregnancy: A rare co-incidence., 46th AOGD Annual Conference 2024, 24 November 2024, New Delhi

74. Nisha, Kumari R, Deoghare M…..Sharma JB, Functional outcome and impact of anterior unilateral sacrospinous ligament fixation on quality of life in women with pelvic organ prolapse: A pilot study., 49th Annual Meeting of IUGA 2024, 19-22 June 2024, Singapore

75. Nisha, Kumari R, Sharma JB….. Muntaha.3, Comparing clinical diagnosis with cystoscopic observations in bladder pain syndrome, RECOGYN 2024, 27-29 September 2024, Gurgaon

76. Nisha, Kumari R, Sharma JB…Muntaha., The effectiveness of intravesical cocktail therapy in mitigating symptoms in painful bladder syndrome- a condition with unmet medical need., International Continence Society 54th Annual Meeting 2024, 23-25 October 2024, Madrid, Spain

77. Nisha, Sharma JB, Kumari R 2, Autologus fascial sling surgery for SUI. (Video Presentation), Urogynaecon 2024, 26 May 2024, Bhatinda

78. Pai SS, Varun N, Kachhawa G…..Bhatla N, To compare the use of dedicated PPIUCD inserter over conventional technique with Kelly's forceps for PPIUCD insertion: Randomized controlled trial, MTPCON, 31 August 2024, Latur

79. Parveen N, Kumari R, Varun N….Dadhwal V, Rheumatic heart disease (RHD) in pregnancy: An experience at tertiary care centre, 46th AOGD Annual Conference 2024, 22 November 2024, New Delhi

80. Patle A, Rana A, Tomar S…Sharma JB, A rare case of cervical chordoma in pregnancy with successful outcome, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

81. Prabhakar M, Rana A, Meena B….Sharma JB, A penchant for polyhydramnios: A rare case of refractory severe polyhydramnios with Barter syndrome., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

82. Preetika RM, Singh A, Kachhawa G…..Malhotra N, Unveiling the overlooked: Shedding light on bone health and menopausal symptoms in ovarian cancer survivors., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

83. Preetika RM, Singh A, Kachhawa G…..Sharma JB, Bone density battles- The dual challenges of ovulation cancer and its treatment, ISHBH-2024, 08 October 2024, New Delhi

84. Preetika RM, Singh A, Kachhawa G….Kumari R, Evaluating menopausal symptoms in cervical cancer survivors, 67th AICOG-2025, 08-12 January 2025, Mumbai

85. Priya MS, Sahoo SM, Kumari R…..Dadhwal V, Challenging presentation of tuberculosis in pregnancy, NARCHICON Delhi, 05 October 2024, New Delhi

86. Priya MS, Sahoo SM, Kumari R., Challenging presentation of tuberculosis in pregnancy, NARCHICON, 3 October 2024, New Delhi

87. Priya S, Meena J, Banerjee S….Malhotra N, Role of high-risk HPV viral load in prediction and diagnosis of cervical lesions, AOGIN India 2024, 3-5 October 2024, Puducherry

88. Rana A, Dadhwal V, Sharma KA, Prenatal diagnosis and neonatal outcomes in fetuses with ventriculomegaly: A two-year experience, Fetal Neurocon, 10 August 2024, New Delhi

89. Reddy ES, Prasenjithan SK, Hayagrivas MB…..Bhatla N 2, A knowledge, attitude, and practice study regarding awareness of different contraceptive methods among reproductive age women in a tertiary care hospital., MTPCON, 31 August 2024, Latur

90. Roy B, Pramanik R, Malik P….Bansal B, Homologous recombination deficiency in carcinoma ovary- analysis of real-world data., ICGCW 2025, 7th Indian Cancer Genetics Conference and Workshop, 22- 23 February 2025, Mumbai

91. Roy B, Singh A, Dhamija E…Malhotra N., Correlation between computed tomography peritoneal carcinomatosis index (CT-PCI) and intraoperative PCI in the surgical management of ovarian carcinoma, AGOICON 2024, 06-08 December 2024, Kochi

92. Sahoo SM, Meena J, Varun N….Singh N, Renaissance of life: Pregnancy following liver transplantation, NZ Yuva FOGSI, 23 February 2025, New Delhi

93. Saini A, Kulshrestha V, Sehgal T….Dhiman S, First trimester immature platelet fraction (IPF) in pregnant women at high risk of developing preeclampsia versus low-risk women, 67th AICOG, 10 January 2025, Mumbai

94. Saini A, Sharma KA, Kulshrestha V….Malhotra N., Gestational alloimmune liver disease: An unlikely cause of bad obstetric history, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

95. Saini K, Malhotra N, Sharma K A, Vatsa R, Diffuse peritoneal adenomyomatosis following laparoscopic myomectomy with non-contained morcellation: A rare case, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

96. Sarkar A, Bharti J, Singhal S….Malhotra N, Navigating phaeochromocytoma-paraganglioma (PPGL) in pregnancy: A critical clinical conundrum, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

97. Sarkar A, Sharma KA Dadhwal V…..Rana A, Analysing the pregnancy outcomes in fetuses diagnosed with Binder's facies on ultrasound examination: A retrospective analysis., FMF World Congress 2024, 29 June-03 July 2024, Prague, Czech Republic

98. Satija T, Malhotra N, Kumari R….Singhal S., Synchronous primary malignancy of cervix and endometrium., AOGIN India 2024, 4 October 2024, Puducherry

99. Satija T, Singhal S, Singh N….Singh A, Uterine neoplasms in breast cancer survivors in relation to tamoxifen treatment., ESGO 2025, 20-23 February 2025, Rome

100. Shadang M, Singhal S, Mathur S, Mir RA., Interaction of high-risk HPV E7oncoprotein with P1H1D1 component of R2TP complex is important for its stabilityand cycle progression of cervical cancer, CNIO, 04 October 2024, Madrid, Spain

101. Shagun, Dagar Y, Rana A…..Sharma JB, Percutaneous nephrostomy placement during pregnancy. A successful outcome., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

102. Sharma KA, Dadhwal V, Rana A., Fetal and neonatal outcomes in fetuses with posterior fossa abnormalities: A retrospective cohort analysis., Fetal Neurocon, 10 August 2024, New Delhi

103. Singh A, Preetika RM, Kachhawa G….Kumari R, Addressing menopausal problems among endometrial cancer survivors: Unmet need of cancer care., 67th AICOG, 08-12 January 2025, Mumbai

104. Singh N, Cervical cancer screening in urban slum community by HPV self-sampling: The lessons learnt., 36th International Papilloma Virus Conference, 14 November 2024, Edenburgh, UK

105. Singh N, Gayatri, Varun N, Garg D., A successful story of Robert's Uterus: Diagnostic dilemmas and therapeutic challenges (Video presentation)., 8th World Congress of Laparoscopic Surgeons and Gynecologists, 8-9 February 2025, Dubai

106. Singh P, Sahoo S M, Kumari R…. Dadhwal V, Peripartum cardiomyopathy: Circumvention of a formidable challenge., NARCHICON Delhi, 5 October 2024, New Delhi

107. Singh S, Khurana S, Mathur S…Singhal S., Rare cervical sarcomas: A case series., 22nd Annual Conference of the Women's Cancer Initiative- Tata Memorial Hospital, 25-27 October 2024, Mumbai

108. Singh S, Singhal S, Malhotra N….Singh A., Comparison of the impact of telegenetics and in-person genetic counselling on patient satisfaction and acceptance of genetic testing in women with epithelial ovarian cancer., IGCS 2024, 16-18 October 2024, Dublin, UK

109. Singh S, Yadav P, Kulshrestha V….Malhotra N., Splenectomy with shunt surgery as a treatment of extrahepatic portal venous obstruction in pregnancy: A case report, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

110. Singh S, Yadav P, Kulshrestha V….Malhotra N., Splenectomy with shunt surgery as a treatment of extrahepatic portal venous obstruction in pregnancy: A case report., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

111. Singhal S, Chaturvedi P, Ganguly A….Malhotra N, Role of HE4 as a biomarker for diagnostics and prognostics in endometrial cancer., IGCS 2024, 16-18 October 2024, Dublin, UK

112. Solomi CV, Kumari R, Pramanik R….Bhatla N.7, Genetic threads of hope: Unraveling germline mutations in ovarian cancer and their impact on clinical outcomes and empowering ovarian cancer defense with cascade genetic testing- Indian perspective., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

113. Solomi CV, Kumari R, Pramanik R….Singh A, HOPE Initiative India: Harnessing ovarian cancer prevention by education through family cascade testing in Indian families at risk, ESGO 2025, 20-23 February 2025, Rome

114. Solomi CV, Kumari R, Pramanik R….Singh A, The Indian perspective on germline mutations in ovarian cancer and the promise of cascade testing (GO-IMPACT STUDY), ESGO 2025, 20-23 February 2025, Italy

115. Solomi CV, Kumari R, Pramanik R…Singh A, From genes to outcomes: The Indian perspective on germline mutations in ovarian cancer and the promise of CAsCade Testing (GO-IMPACT study), ESGO 2025, 20-23 February 2025, Rome

116. Soni S, Malhotra N, Bharti J….Swetha GG., Successful conservative management of a medical catastrophe after uneventful transvaginal oocyte-retrieval – a case report and literature review, FUSION 2024, 15 September 2024, Jaipur

117. Soundharia R, Tomar S, Mahey R….Sharma JB., Giant nascent uterine leiomyoma masquerading third-degree uterine prolapse in anulliparous female: Case report with review of literature., 46th AOGD Annual Conference 2024, 24 November 2024, New Delhi

118. Tanwar H, Kumari R, Rana A….Mahey R, , Evaluation of insulin and B-cell function during pregnancy and its correlation with maternal and fetal outcome., 4th Research Day, AIIMS, 30 January 2025, New Delhi

119. Tanwar H, Rana A, Manchanda S……Sharma JB, Double dilemma: Overcoming hydrancephaly and schizencephaly in a twin with cephalocentesis at caesarean delivery, 21st World Congress in Fetal Medicine, 23-27 June 2024, Lisbon, Portugal

120. Tanwar H, Rana A, Mishra S….Mahey R., From Challenges to triumph: exploring the intersection of systemic lupus erythematosus, pregnancy and congenital heart block., 21st World Congress in Fetal Medicine, 23-27 June 2024, Lisbon, Portugal

121. Tanwar H, Rana A, Singh A….Mahey R, Navigating chronic ITP in pregnancy: A case resilient management and successful outcomes., 67th AICOG-2025, 08-12 January 2025, Mumbai

122. Tomar AK, Thapliyal A, Naglot S…..Singh N, Dysregulated sperm miRNAs impair sperm quality and early embryonic development in idiopathic recurrent pregnancy loss., IABS-North Zone (Delhi Chapter), 05 August 2024, AIIMS, New Delhi

123. Tomar AK, Thapliyal A, Naglot S….Singh N, Male contributory factors in idiopathic recurrent pregnancy loss, 50th Annual Conference of Association of Clinical Biochemists of India, 07 December 24, PGI, Chandigarh

124. Tomar S, Singhal S, Mangal S….Malhotra N., Use of Bevacizumab in neoadjuvant chemotherapy to reduce disease burden and optimal resection rates in advanced ovarian cancer, 46th AOGD Annual Conference 2024, 22 November 2024, New Delhi

125. Varun N, Dadhwal V, Singh N….Sahoo M S., Obstructive uterovaginal anomalies: An experience at tertiary care centre., 46th AOGD Annual Conference 2024, 22 November 2024, New Delhi

126. Varun N, Early diagnosis and appropriate management of Rare Mullerian malformation: Need of the hour, IAGE-AAGL, 14-16 March 2025, Pune

127. Varun N, Kumari R, Meena J…..Dadhwal V, Gonadectomy in patients with disorders of sex development (DSD): Varied surgical experience, AICC RCOG, 20 September 2024, Kolkata

128. Varun N, Kumari R, Meena J…..Dadhwal V.1, Takayasu arteritis during pregnancy- Challenge for an obstetrician, 39th National Conference of Indian society of perinatology and reproductive biology, 28 April 2024, Raipur

129. Varun N, Kumari R, Meena J….Dadhwal V., Ballooning out way towards a successful pregnancy., FOGSI East Zonal Conference with Yuva 2024, 20-22 December 2024, Siliguri

130. Varun N, Singh N, Kumari R….Sahoo SM, Uterovaginal obstructive anomalies., 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

131. Vatsa R, Bharti J, Laparoscopic hemihystertectomy for unicornuate uterus with vaginal agenesis and hematometra in patients with failed cervicovaginoplasty. (Video Presentation), Yuva IAGE: The Bihar Chapter, 24-26 January 2025, Rajgir

132. Vatsa R, Malhotra N, Kulshrestha V…..Bharti J. 2, Diagnostic dilemma between rudimentary horn and accessory cavitating uterine malformation: The two important differentials of intractable dysmenorrhea, 24th Annual Congress APAGE, 29 September-01 October 2024, Chennai

133. Vatsa R, Malhotra N, Kulshrestha V….Bharti J, Accessory cavitating uterine mass: a clinical dilemma among women with intractable chronic pelvic pain and dysmenorrhea across all ages, ESGE 33rd Annual Congress, 27-30 October 2024, Marseille, France

134. Vatsa R, Malhotra N, Laparoscopic management of Torsion of Non-Pathological Ovary at 25week pregnancy., IAGE AAGL, 14-16 March 2025, Pune

135. Vatsa R, Sharma KA, Malhotra N….Dhiman S, Outcome of transabdominal cervical cerclage: experience from a tertiary care hospital, 46th AOGD Annual Conference 2024, 24 November 2024, New Delhi

136. Verma S, Kumari R, Varun N….Dadhwal V, Managing high sugar stakes-type 1 diabetes in pregnancy, FOGSI East Zonal Conference with Yuva 2024, 20-22 December 2024, Siliguri

137. Wadhwa G, Dhiman S, Sharma KA…. Malhotra N, Investigating the role of Azithromycin in enhancing caesarean delivery prophylaxis: A randomized controlled trial, 67th AICOG, 8-12 January 2025, Mumbai

138. Wemyss T, Rana A, Yadav K….Dadhwal V, Skin tone alone is not a strong predictor of scleral features affecting suitability of the anterior segment for colorimetric analysis, Association for Research in Vision and Ophthalmology Conference, 04-09 May 2024, Seattle, USA

139. Yadav P, Vatsa R, Malhotra N…. Dhiman S, Conservative management of retained placenta after second trimester termination of pregnancy in patients with placenta accreta spectrum (PAS): A series of three case, 46th AOGD Annual Conference 2024, 22-24 November 2024, New Delhi

1 Mrs. Vidya Bhasin Award for Best Paper
2 First Prize- Oral Presentation
3 Second Prize- Oral Presentation
4 Second Prize for Video presentation
5 ICMR International Award
6 Third Prize- Oral Presentation
7 Best Paper Award
8 Best Oral Presentation
9 Best Poster Award
10 Dr Mrs. Jagdishwari Mishra Prize
11 Winner Free paper session award
12 AIIMS Research Day Award
13 Professor GP Talwar Young Scientist Award
14 Best Poster Presentaion

Total number of oral/poster presentations

2022–2023	2023–2024	2024–2025
142	162	138

RESEARCH

Funded

Ongoing

1. A Multicentre Randomised Trial of Screening with sFlt1.PlGF and planned induction delivery to prevent preeclamsia at term, PI- Eduardo Gratacos (Barcelona) PI Dr K Aparna Sharma (India), BCNatal (Hospital Clínic and Hospital Sant Joan de Deu) (Barcelona)-Roche Diagnostics, 2 Years, 2023-2025, Kits provided

2. A Multicentric Evaluation of Indian Population-Specific Tools for Antenatal Estimation of Gestational Age, Dr Shinjini Bhatnagar Dr K Aparna Sharma, DBT, 2 Years, 2024-2026, Rs 35.08 Lakhs

3. A phase-iv single-arm, multicentric, study to assess the safety of SIIPL's QHPV vaccine (cervavac®) when administered in a two-dose schedule to girls and boys aged 9-14 years and in a three-dose schedule to women and men aged 15-26 years, Dr Jyoti Meena, Serum Institute of India Ltd, 1 Year, 2024-2025, Rs 9.24 Lakhs

4. A Prospective Cohort Study on Trajectories of Postpartum Weight, Risk Factors Associated with Weight Retention, and Its Relationship with Metabolic Derangements Till 18 Months, Dr Archana Kumari, DHR, 3 Years, 2023-2026, Rs 52 Lakhs

5. Assessment of markers of Preeclampsia after delivery and correlation with future risk factors of cardio vascular disease in women, Dr Garima Kachhawa, ICMR, 3 Years, 2022-2025, Rs 51.77 Lakhs

6. Augmented intelligent clinical support systems to aid decision-making for pregnancy outcomes after In-Vitro Fertilisation of Intracytoplasmic sperm injection, Professor Neena Malhotra, ICMR, 3 Years, 2025-2028, Rs 120 Lakhs

7. Comparing of PCR based E6.E7 Oncogene detection in cervical cytology and cervical tissue specimen with histopathology in HPV-Positive women, Dr Jyoti Meena, Institute Financial thesis grant, 1 Year, 2024-2025, Rs 2.00 Lakhs

8. Comparison of combined diffusion-weighted and non-contrast MRI with contrast-enhanced MRI in staging of endometrial carcinoma, Dr Swati Tomar, AIIMS Early Career Intramural Grant, 2 Years, 2024-2026, Rs 4.68 Lakhs
9. Counseling of Clients for HPV Self Sampling by ASHAs (Accredited Social Health Activists) and by Physicians: A Randomized, Open-Labelled, Non- inferiority Trial (ASHA-CHAPTER Trial), Science Education and Board Research (SERB), Dr Nilanchali Singh, SERB, 2 Years, 2023-2025, Rs 19.86 Lakhs
10. Development and Validation of phone-based App, Swasth Garbh, for improving antenatal care (ameliorating maternal and fetal health), Dr Vatsla Dadhwal Dr Deepali Garg, DHR ICMR, 3 Years, 2022-2025, Rs 12.81 Lakhs
11. Development of pilot testing of systematic strategy using mobile based application and self-collected samples for cervical screening in female sex workers, Dr Seema Singhal, Dr Sanjay Rai, AIIMS Intramural Grant, 2 Years, 2024-2025, Rs 10 Lakhs
12. Development, implementation and evaluation of Protocolized Cardio-Obstetric Care in improving maternal Cardiac, obstetric and fetal outcomes of Pregnant Women with Heart Diseases in INDIA" also called as–National Pregnancy And Cardiac diseases–INDIA Study Group (NPAC INDIA), Dr Vatsla Dadhwal Dr K Aparna Sharma, ICMR, 4 Years, 2024-2028, Rs 3.34 Lakhs
13. Development, implementation and evaluation of Protocolized Cardio-Obstetric Care in improving maternal cardiac, obstetric and fetal outcomes of Pregnant Women with Heart Diseases in INDIA (NPAC India Study), Dr K Aparna Sharma, ICMR, 3 Years, 2024-2027, Rs 9.84 Lakhs
14. Diagnostic and prognostic value of cell free DNA (cfDNA) in Epithelial ovarian cancer – A cohort study, Dr Seema Singhal, Indian Cancer Research Consortium ICMR, 3 Years, 2023-2026, Rs 98.46 Lakhs
15. Effect of modifiable lifestyle factors on sperm quality in male seeking for infertility treatment: Cross-sectional study, Professor Neeta Singh, Institute Funding, 1 Year, 2024-2025, Rs 2 Lakhs
16. Effectiveness and safety of 2 vs 3 doses of HPV vaccine in preventing cervical cancer: An Indian multi-center randomised trial, Dr Anju Singh (PI since February 2024), IARC-WHO, 2008-2025, Rs 46.53 Lakhs
17. Effectiveness of an individualized lifestyle intervention in PCOS women who wish to conceive- A multicentred randomized controlled trial, Professor Neena Malhotra, ICMR, 5 Years, 2023-2028, Rs 174.23 Lakhs
18. Effectiveness of yoga in reducing anxiety and depression and its impact on reproductive outcome in women undergoing IVF.ICSI: Randomized Control Trial., Professor Neeta Singh, Institute Funding, 1 Year, 2024-2025, Rs 5 Lakhs
19. Efficacy of add-on Ayurveda and Yoga intervention on reproductive and metabolic outcome in women with PCOS undergoing ovulation induction cycles A multicentric randomized controlled trial, Dr Reeta Mahey, Ayush-ICMR, 3 Years, 2025-2028, Rs 200.00
20. Evaluation of efficacy and safety of different dosage of oral micronized progesterone sustained release formulation in treatment of threatened miscarriage and its impact on parameters in immunomodulation and uteroplacental blood flow: A randomized control trial, Dr Anubhuti Rana, Medwiz Healthcare Communication Pvt. Ltd, 1.5 Years, 2024-2026, Rs 40.64 Lakhs
21. Evaluation of efficacy and safety of intravenous ferric carboxymaltose in pregnant and postpartum women with mild to moderate iron deficiency anaemia, Dr Anubhuti Rana, Torrent Pharmaceuticals Ltd, India, 1 Year, 2024, 31 March 2025, Rs 25.08 Lakhs
22. Evaluation of self-collection with an indigenous device and Point of Care HPV test for cervical cancer screening (Self-Care Cervix study), Dr Seema Singhal, ICMR, 3 Years, 2023-2025, Rs 109.43 Lakhs
23. Expression of immune checkpoints in circulation and at maternal-fetal interface and its correlation with whole exome sequencing-based genetic variants in pre-eclampsia., Dr Deepali Garg, ICMR, 3 Years, 2023-2026, Rs 85 Lakhs
24. Immunological Landscapes in Persistent HPV Infection in India, Dr Nilanchali Singh, The Bill and Melinda Gates Foundation, 2 Years, 2024-2026, Rs 133.00 Lakhs
25. Implementation of WHO ANC Model using web based application in primary, secondary and tertiary health care levels by trained health care providers, semi-skilled healthcare providers and community health workers, Dr K Aparna Sharma, DST, 2 Years, 2022-2025, Rs 66.69 Lakhs

26. Novel use of Etonogestrel (ETN) Subdermal Implant (SDI) in adolescents and reproductive age group women with endometriosis and its comparison with Levonogestrel Intra-Uterine System (LNG-IUS): A non-inferiority prospective pilot study, Dr Neha Varun, ICMR, 3 Years, 2025-2028, Rs 61.89
27. Optical Monitoring of Placental Oxygenation and Metabolism, Dr Vatsla Dadhwal Dr K Aparna Sharma, Welcome Leap, 3 Years, 2024-2026, Rs 31.99 Lakhs
28. Optical monitoring of placental oxygenation and metabolism, PI-Dr Shubrabrata Mitra, UCLH PI Dr K Aparna Sharma (India), Wellcome Leap, WEISS (Welcome EPSRC Centre for Interventional and Surgical Sciences), Tommy's, 3 Years, 2023-2026, Rs 31.99 Lakhs
29. Optimizing Maternal Outcomes: Adapting Quantitative Blood Loss Measurement in Routine Maternity Care, Dr K Aparna Sharma Dr Aparna Sridhar, UCLA DGSOM Global Health Seed Grant Program, 1 Year, 2025-2026, Rs 19.30 Lakhs
30. Ovarian tissue cryopreservation for fertility preservation in young cancer survivors – Comparison of slow freezing and vitrification, Professor Neena Malhotra, ICMR, 4 Years, 2020-2025, Rs 87.70 Lakhs
31. Prevalence of Sarcopenic obesity in PCOS and efficacy of individualised lifestyle modifications for Sarcopenic obesity treatment: A Matched Case Control and pre-post intervention study, Dr Deepali Garg, ICMR, 3 Years, 2025-2028, Rs 50 Lakhs
32. Prospective evaluation of etiological factors, trajectory of comorbidities and, efficacy and safety of various therapeutic agents among Indian women with Polycystic ovary syndrome (PCOS) : A Multicentric ICMR-PCOS Cohort Study Phase-II, Professor Neena Malhotra, ICMR, 5 years, 2023-2028, Rs 146.95 Lakhs
33. Role of Artificial Intelligence in Fetal Imaging Workflows; Prospective Evaluation, Dr K Aparna Sharma, Origin AI, 1 Year, 2024-2025, Rs 14.60 Lakhs
34. Role of Autologous Stem Cells and Platelet rich plasma therapy for regenerating endometrium in women with Asherman's syndrome and atrophic endometrium – A Pilot study, Professor Neena Malhotra, ICMR, 3 Years, 2023-2026, Rs 102.00 Lakhs
35. Role of Serum Autotaxin in Intrahepatic Cholestasis of Pregnancy in Indian Women, Dr Soniya Dhiman, Institute Intramural Grant, 2 Years, 2021, Extended for 2024-2025, Rs 5 Lakhs
36. Role of Vaginal Estrogen Cream in Management of Sexual Dysfunction in Cervical Cancer Survivors: A Randomized Double-blinded Placebo-Controlled Trial (ESTRO-CERVA Study), Dr Nilanchali Singh, AIIMS Early Career Intramural Project, 2 Years, 2025-2026, Rs 5 Lakhs
37. Root cause analysis (RCA) of non-responders to Iron folic acid treatment among women of reproductive age (WRA) at community setting, Professor Neena Malhotra, ICMR, 3 Years, January 2025, January 2028, Rs 200 Lakhs
38. SAHELI: Study and Action on Hysterectomy: Evidence on Women's Health through the Life Course in India", Dr Archana Kumari, DBT Wellcome India Alliance, 4 Years, 2024, 2028, Rs 31.36 Lakhs
39. Smartphone app for management of gestational diabetes mellitus in urban and rural settings in India: A randomized controlled trial, Dr Deepali Garg, ICMR, 3 Years, 2022-2025, Rs 65 Lakhs
40. Targeted bile acid metabolomics in patients with intrahepatic cholestasis of pregnancy and its correlation with perinatal outcomes: A prospective observational cohort study, Dr Sushree Monika Sahoo, AIIMS Early Career Intramural Grant, 2 years, 2024-2026, Rs 10 Lakhs
41. To evaluate the role of urinary HPV DNA test for cervical cancer screening using INNO-LiPA genotyping: a pilot study, Dr Jyoti Meena Dr Aashish Choudhary, Interdisciplinary Collaborative Intramural Research Project, 2 Years, 2024-2026, Rs 6 Lakhs
42. Use of Artificial Intelligence for the ultrasound assessment of fetal biometry- Comparison of automated to manual measurement of estimated fetal weight, PI- Dr Asma Khalil (London) PI Dr K Aparna Sharma (India), St Georges University -Samsung, 2 Years, 2025-2027, USG machine
43. Validation of performance of multiparametric risk prediction models for preeclampsia in early pregnancy and determination of the best fit model for Indian Population, Dr K Aparna Sharma, AIIMS-THSTI, 2 Years, 2024-2026, Rs 5 Lakhs
44. Validation study of indigenous HPV tests for cervical cancer screening (i-HPV)", Dr Neerja Bhatla Dr Seema Singhal, BIRAC, 2 Years, 2023-2025, Rs 71.15 Lakhs

Completed Projects

1. Evaluation of newer molecular methods and antigen based diagnostic modalities against RNTCP recommended methods in EARLY DIAGNOSIS of Female Genital Tuberculosis, Professor J B Sharma, Central TB Division, Ministry of Health and Family Welfare, 3 Years, 2020-2024, Rs 67 Lakhs
2. A Phase-II/III, Partially Double-blind, Randomized, Active-controlled, Multicentric Study to Assess the Immunogenicity and Safety of SIIPL's qHPV Vaccine Administered Intramuscularly in Healthy Volunteers According to a Two-dose Schedule to Cohort 1 (Girls and Boys Aged 9-14 years) and a Three-dose Schedule to Cohort 2 (Women and Men Aged 15-26 years) as Compared to Merck's HPV6 November 16/18 vaccine (Gardasil®), PI-Dr Anju Singh (Since February 2024), Serum Institute of India Pvt. Ltd, Pune, 5 Years, 2018-2024, Rs 3.47 Lakhs
3. A randomised controlled trial to study the outcome of 'Routine episiotomy' versus 'No episiotomy' on perineal injury and pelvic floor dysfunction during normal vaginal delivery among primigravida women: A pilot study., Dr Archana Kumari, AIIMS intramural grant, 2 Years, 2021-2023 extended till 2024, Rs 8.80 Lakhs
4. A Randomized controlled trial of Autologous Rectus Fascia Pubovaginal sling versus Mid-Urethral Sling procedure versus Burch Colpo suspension in women with stress urinary incontinence, Professor J B Sharma, ICMR, 3 Years, 2019-2024, Rs 70 Lakhs
5. A randomized controlled, assessor blind, parallel groups, multicenter trial in India comparing the efficacy and safety of FE999049 (follitropin delta) with follitropin alfa (GONAL-F) in controlled ovarian stimulation in women undergoing an assisted reproductive technology programme, Professor Neena Malhotra, Ferring Pharmaceuticals, 2 Years, 2022-2024, Rs 25 Lakhs
6. App-Based Intervention for Improving Cancer Knowledge among Gynecological Cancer Patients- GYNACANCER App, Dr Nilanchali Singh, AIIMS Intramural grant, 1 Year, 2023-2024, Rs 2 Lakhs
7. Assessing & creating fertility awareness among youth in premier Indian Technical Institutions., Professor Neeta Singh, Melinda & Gates Foundation, 4 Years, 2020-2024, Rs 5 Lakhs
8. Characterization of the uterine microbiota from women with unexplained infertility and recurrent implantation failure planned for in-vitro-fertilization (IVF)- A pilot study, Professor Neena Malhotra, AIIMS Research Grant, 2 years, 2022-2024, Rs 10,00,000
9. Circulatory exosomal microRNA as marker of endometriosis- A Pilot study., Dr Juhi Bharti, Intramural-AIIMS, 6 Years, 2018-2024, Rs 10 Lakhs
10. Development of Gynae Cancer Care app to improve patient experience, Dr Seema Singhal, AIIMS UG grant, 1 Year, 2023-2024, Rs 2 Lakhs
11. Development, Validation, and Feasibility Assessment of an Artificial Intelligence-Based System for First Trimester Fetal Ultrasound Imaging and Interpretation: A Retrospective Multi-Center Study, Dr K Aparna Sharma, Origin AI, 1 Year, 2023-2024, Rs 8.80 Lakhs
12. Effect of Yoga on maternal and perinatal outcome in Pregnancy with department of Science and Technology, Professor J B Sharma, DST Ayush, 3 Years, 2020-2024, Rs 37 Lakhs
13. Evaluation of stress biomarkers in pregnancy and correlation with maternal-fetal outcomes, Dr Anju Singh, AIIMS early career intramural grant for research project, 2 years, 2021-2024, Rs 5 Lakhs
14. National Registry on SARS-COV-2- infection among pregnant women and their neonates (PanInPreg COVID Registry), Prof Vatsla Dadhwal, ICMR (COVID registry), 5 Years, 2020-2024, Rs 2.01 Lakhs
15. Phase IV study of Dienogest (Visanne) amongst Indian women with endometriosis in real world clinical practice (VISAGE study)., Dr Vidushi Kulshrestha, Bayer pharmaceuticals, 1.5 Years, 2023-2024, Rs 1 Lakh
16. Rapid point of Care Detection of HPV-Associated Malignancies, Dr Rajesh Kumari (PI since 2024), NCI, USA through Arizona State University, USA, 5 Years, 2017-2024, Rs 2.98 Lakhs
17. Validation of Preeclampsia Congo Red Detection kit (Point-of-Care test): Multicentric trial, Dr K Aparna Sharma, Perkin-Elmers, 2 Years, 2019-2024, Funding for Kits

Departmental projects (including thesis/dissertations)

Ongoing

1. A Multicentre Randomised Trial of Screening with sFlt1.PlGF and planned induction delivery to prevent preeclamsia at term.
2. A Multicomponent intervention for strengthening respectful maternity care-Quality improvement study. (MS Thesis)

3. A Prospective Cohort Study to Evaluate the Feasibility and Accuracy of Fetal Vibroacoustic Stimulation as a Tool for Prenatal Screening for Hearing loss.
4. A Prospective Study to Compare Early versus Late Postpartum Oral Glucose Tolerance Test Screening in Patients with Gestational Diabetes.
5. A randomised Controlled Trial to study the effect of autologous intrauterine Platelet Rich Plasma infusion on pregnancy outcomes in women with previous Implantation failures undergoing Frozen Thawed Embryo Transfer Cycles. (MS Thesis)
6. A study to assess midbrain measurements appropriate for gestational age fetuses in second and third trimester. (MS Thesis)
7. Adverse perinatal outcomes in pregnancies with small for gestational age fetuses as compared to growth restricted fetuses as per the delphi consensus and appropriately grown fetuses. (MS Thesis)
8. An open labelled, three-armed, randomised, placebo-controlled trial to study the effect of intra-ovarian platelet-rich plasma versus autologous adult bone marrow-derived stem cell instillation in poor ovarian responders. (MCh Thesis)
9. Apixaban in Prevention of Venous Thromboembolism in Advanced Epithelial Ovarian Cancer receiving Neoadjuvant Chemotherapy: A Randomized Controlled Open-label Clinical Trial. (MCh Thesis)
10. Assessment of Fetal liver parameters in patient with high risk of fetal growth restriction. MS Thesis)
11. Assessment of various factors affecting follicular response to letrozole treatment in infertile women with PCOS. (MS Thesis)
12. Cabergoline as an adjunct to ovulation induction in infertile women with endometriosis- Open label RCT. (MS Thesis)
13. Clinical Efficacy of autologous fascia lata and urethral sling versus polypropylene mesh outside-in transobturator tape in management of Stress urinary incontinence. (MS Thesis)
14. Clinical Efficacy of Levonorgesterol Intrauterine System versus Etonogestrel Implant in the management of Symptomatic Adenomyosis.
15. Clinical efficacy of LNG-IUS Vs Etonogestrel Implant in the management of symptomatic adenomyosis-A randomized trial.
16. Comparison of combination of dinoprostone vaginal insert and intracervical foleys catheter vs dinoprostone vaginal insert for Cervical ripening in term induction- Randomized Controlled Trial. (MS Thesis)
17. Comparison of efficacy of urine and cervical HPV DNA for cervical cancer screening in pregnant women. (MS Thesis)
18. Comparison of flexible progestin-primed ovarian stimulation protocol (PPOS) with flexible GnRH antagonist protocol in polycystic ovary syndrome (PCOS) women undergoing IVF/ICSI cycles: A pilot randomized controlled trial. (MCh Thesis)
19. Comparison of oral Iron vs FCM in pregnant females with iron deficiency Anemia: An open labelled Randomized Controlled Trial. (MS Thesis)
20. Comparison of oral versus intramuscular vitamin b12 therapy in antenatal women with anemia with vitamin b12 deficiency- open label- non inferiority RCT. (MS Thesis)
21. Comparison of outcome of transabdominal and transvaginal cervical cerclage in improving perinatal outcome: case-control study.
22. Comparison of PCR based E6/E7 Oncogene detection in cervical cytology and cervical tissue specimen with histopathology in HPV-positive women. (MCh Thesis)
23. Comparison of the impact of telegenetics and in-person genetic counselling on patient satisfaction and acceptance of genetic testing in women with Epithelial Ovarian Cancer. (MCh Thesis)
24. Correlation between clinical features of adenomyosis and MUSA features. (MS Thesis)
25. Correlation of CA 125 KELIM (elimination rate constant k) and Chemotherapy Response Score (CRS) in patients with High grade Epithelial ovarian cancer undergoing interval cytoreductive surgery. (MS Thesis)
26. Correlation of CA125 and chemotherapy response score in patients with high grade serous epithelial ovarian carcinoma undergoing interval cytoreductive surgery. (MS Thesis)

27. Correlation of paired urinary HPV DNA and provider sampled cervical HPV DNA for cervical cancer screening in pregnant women.
28. Does rTMS (Repetitive transcranial magnetic stimulation) improve the outcome of in vitro fertilization in infertile women with moderate to severe depression: A pilot randomized controlled trial. (MS Thesis)
29. Efficacy of co-administration of clomiphene citrate and letrozole to conventional GnRH antagonist protocol in expected poor responders undergoing IVF/ICSI cycles: A Randomized Controlled Trial. (MCh Thesis)
30. Efficacy of LNG IUS vs Implant in management of HMB and pain in adenomyosis. (MS Thesis)
31. Evaluation of coagulation status in postpartum patients in a tertiary care hospital.
32. Evaluation of maternal ophthalmic artery doppler indices in pregnant women with preeclampsia versus suspected preeclampsia. (MS Thesis)
33. Evaluation of Positron Emission Tomography- Peritoneal Carcinomatosis Index (PET- PCI) in disease assessment of women with advanced ovarian cancer undergoing surgery. (MCh Thesis)
34. Exploring the role of cervical metagenomics in acquiring HPV infection, its persistence and its association with cervical precancerous lesions. (MCh Thesis)
35. Fertility related quality of life in and depressive anxiety symptoms in infertile couple with male factor infertility – cross sectional study. (MS Thesis)
36. Fluorescence guided surgery using Near-infrared (NIR) imaging for detection of peritoneal metastases in patients undergoing cytoreductive surgery in epithelial ovarian cancer-A feasibility study. (MCh Thesis)
37. Frailty assessed with G8 questionnaire and FRAIL scale as a predictor of postoperative complications in elderly women with gynaecological malignancies. (MCh Thesis)
38. Impact of menopausal symptoms and coping strategies on quality of life of menopausal females. (MS Thesis)
39. Impact of Mindfulness Meditation on Neurocognitive Functions in Gynaecological Cancer Survivors: A Randomized Controlled Trial. (MCh Thesis)
40. Impact of yoga on the quality of life of epithelial ovarian cancer survivors: a pilot study. (MS Thesis)
41. Multiparametric evaluation of bone health in women with premature ovarian insufficiency: Prospective cross-sectional study. (MS Thesis)
42. Optimal dose and duration of Letrozole for Ovulation Induction in Infertile Women with Polycystic Ovarian Syndrome: A Randomised Controlled Trial. (MS Thesis)
43. Prediction of small for gestational age neonates at 18-24 gestational weeks by uterine artery doppler, maternal factors and estimated fetal weight- An Ambispective cohort study. (MS Thesis)
44. Prevalence and clinical profile of Caesarean Scar Defect and Caesarean Scar Disorder after Caesarean Delivery. (MS Thesis)
45. Progesterone-primed versus conventional antagonist stimulation during the luteal phase in poor ovarian responders undergoing DuoStim protocol- a pilot study. (MCh Thesis)
46. Role of cardiovascular markers in predicting adverse maternal and perinatal outcomes in women with preeclampsia. (MS Thesis)
47. Role of Pre-treatment Controlling Nutritional Status (CONUT) Score and Fibrinogen-Albumin (FA) Score in prediction of surgical outcomes and postoperative complications rate in women with Epithelial ovarian cancer undergoing cytoreductive surgery. (MCh Thesis)
48. Role of serum estradiol levels in letrozole-FET versus HR-FET cycles: A pilot randomized controlled trial.
49. Safety of Eptacog Alfa in Severe Postpartum Haemorrhage in India: A Phase IV Interventional Study
50. The development and evaluation of an artificial intelligence (AI) image recognition device to improve cervical pre-cancer screening and management in low-and middle-income countries (Save Cervix).
51. The role of combined hormonal pill (ethinyl estradiol plus levonorgestrel) before hysteroscopy polypectomy in reproductive-aged women: “A randomised double blinded placebo-controlled trial”. (MS Thesis)
52. To assess role of trans-perineal ultrasonography in postmenopausal women for pelvic floor function. (MS Thesis)
53. To compare ESI and Cu IUCD in terms of contraceptive efficacy and side effect profile. (MS Thesis)

54. To compare slow freezing and vitrification techniques in ovarian tissue cryopreservation for fertility preservation in cancer survivors
55. To compare the effect of endometrial preparation using natural cycle versus hormone replacement cycle on frozen embryo transfer outcomes in ovulatory infertile women: A randomised controlled trial. (MCh Thesis)
56. To compare the efficacy of Stop GnRH agonist-antagonist protocol with conventional IVF stimulation protocols (GnRh antagonist protocol and long GnRh agonist protocol) in terms of IVF outcomes: A randomized controlled trial.
57. To compare the patient-reported outcomes during infertility workup after introducing an evidence-based three-dimensional/four-dimensional Hysterosalpingo-Contrast Sonography over conventional Hysterosalpingography technique: A Randomized Controlled Trial. (MS Thesis)
58. To compare the safety and efficacy of repeated GnRH agonist injections versus rescue hCG for modified luteal phase support in predicted hyper-responders undergoing IVF cycles: A randomized controlled trial. (MCh Thesis)
59. To Evaluate the Effect of Dietary Intervention on Gestational Weight Gain among Pregnant Women: A Randomised Controlled Trial. (MS Thesis)
60. To evaluate the effect of Ormeloxifene on unscheduled vaginal bleeding in women using LNG-IUS. (MS Thesis)
61. To study the contraceptive efficacy and side effects of sub-dermal contraceptive implant (Implanon): Prospective Cohort study.
62. To study the Effect of transcervical intralesional vasopressin on duration of surgery in women undergoing hysteroscopic myomectomy: A randomised controlled trial. (MS Thesis)
63. To study the efficacy of Cabergoline as an adjunct to Metformin in management of overweight & obese women with PCOS. (MS Thesis)
64. To Study the prevalence of metabolic syndrome and to evaluate the diagnostic accuracy of neck circumference as a screening tool for metabolic syndrome in women with PCOS- Cross sectional study. (MS Thesis)
65. Use of Artificial Intelligence for the ultrasound assessment of fetal biometry- Comparison of automated to manual measurement of estimated fetal weight.
66. Use of sHLA-G as potential biomarker of embryo quality for clinical outcomes in women undergoing IVF/ICSI non donor cycles- A prospective observational study. (MCh Thesis)
67. Venlafaxine versus Placebo for Treatment of Vaso-motor Symptoms in Gynecological Cancer Survivors: A Double-blind, Randomized, Placebo-controlled Trial. (MCh Thesis)

Completed

1. A prospective double blind randomized controlled trial comparing clinical pregnancy rates between conventional benchtop incubator and time lapse imaging in women undergoing IVF/ICSI non donor cycles. (MCh Thesis)
2. A randomized Controlled Trial on efficacy of single dose of intraoperative dexamethasone in reducing post op pain in C section. (MS Thesis)
3. Assessment of cognitive function among Indian women with ovarian, fallopian tube and primary peritoneal cancer-pilot study. (MS Thesis)
4. Azithromycin based extended spectrum prophylaxis for cesarean delivery- A Randomized Controlled Trial. (MS Thesis)
5. Clinical outcomes and biological characteristics of ovarian cancer patients with germline mutations in hereditary ovarian cancer predisposing genes and acceptance of cascade testing in Indian women. (MCh Thesis)
6. Clinicopathological Profile and Obstetric Outcome of Pregnant Women with Persistent Adnexal Masses
7. Comparison between patient-controlled analgesia and multimodal parenteral analgesia for pain relief in 2nd trimester abortions. (MS Thesis)
8. Comparison of effect of cabergoline versus dienogest in serum proinflammatory markers in endometriosis. (MS Thesis)
9. Comparison of induction of labor with conventional vs Spaced regimens of dinoprostone gel in women with unfavourable Bishop. (MS Thesis)

10. Comparison of Maternal Childbirth Experience: Labour Care Guide vs Modified WHO Partograph with Maternal Childbirth Experience Scale (MCBES)
11. Comparison of risk assessment and surveillance protocol with routine antenatal care for prediction of fetal growth restriction and adverse perinatal outcome- Randomized Controlled Trial. (MS Thesis)
12. Correlation of Neutrophil Lymphocyte Ratio and Platelet Lymphocyte Ratio with Chemotherapy Response Score (CRS) in Patient of Advanced Stage Epithelial Ovarian Cancer. (MCh Thesis)
13. Development And Validation of a Predictive Model For Vaginal Birth After Caesarean Section Based on Demographic, Clinical and Ultrasound based Factors.
14. Efficacy of extended regimen of letrozole in infertile women with PCOS-A Randomized Controlled Trial. (MS Thesis)
15. Emotional response and mental health of women undergoing second trimester Medical Termination of Pregnancy for fetal anomalies. (MS Thesis)
16. Evaluation of bone health and menopausal symptoms in gynaecological cancer survivors. (MS Thesis)
17. Evaluation of circulating microRNA in women with and without polycystic ovarian syndrome and their correlation with IVF Outcomes: A case-control study. (MCh Thesis)
18. Evaluation of knowledge, attitude, perception and concerns regarding COVID 19 vaccine among pregnant and lactating women
19. Evaluation of outcomes of modified McIndoe vaginoplasty using amnion in patients with vaginal agenesis
20. Feasibility and Outcome of Minilaparotomy Assisted Laparoscopic Myomectomy For Large Myomas
21. Immature platelet parameters in pregnancies identified as screen positive for preeclampsia- Prospective Comparative study. (MS Thesis)
22. Nutritional Assessment of Women with Gynaecological Cancers and the Impact of Focused Prehabilitation Protocol on Nutrition and Perioperative Outcomes after Interval Debulking Surgery. (MCh Thesis)
23. Placebo controlled randomized trial to assess the use of antibiotic prophylaxis for non hysterectomy gynecological laparoscopic surgeries. (MS Thesis)
24. Pregnancy Outcomes in Women with Complete Heart Block: Experience from a Tertiary Care Hospital
25. Randomized Controlled Trial to study effect of ovarian drilling vs step up gonadotrophin therapy in anovulatory infertile women with PCOS undergoing OVI cycles. (MS Thesis)
26. Role of 3D volume rendering of CT Imaging for preoperative evaluation of disease extent in epithelial ovarian cancer. (MS Thesis)
27. Role of ethanol sclerotherapy on ovarian reserve and reproductive outcome in women with endometriomas. (MS Thesis)
28. Role of IETA USG criteria and hysteroscopy in assessment of endometrial lesion in AUB. (MS Thesis)
29. Soluble E-selection level in women with polycystic ovarian syndrome and its Comparison with QRISK-3 Score as a marker of Cardio-Vascular Risk.
30. Sun-endometrial instillation of platelet-rich plasma in women with thin endometrium undergoing in-vitro fertilization cycles- A feasibility study. (MCh Thesis)
31. To assess the antiseizure drug blood concentration of pregnant women with epilepsy in each trimester for detection of any pharmacokinetic variation compared to baseline level and to evaluate pregnancy related maternal and neonatal outcomes in women with epilepsy on anti-seizure medication therapy.
32. To study incidence of OASIS in postpartum women using intraoital ultrasonography. (MS Thesis)
33. To Study the Efficacy of Lignocaine in Distension Medium in Improving Pain Score During Office Hysteroscopy: A Double Blind Randomized Controlled Trial. (MS Thesis)

Collaborative projects

Ongoing

1. A comparative study to evaluate the HPV 16.18 testing with the NeuMoDx™ System(s) and Hybrid capture HC2, Department of Laboratory Oncology, IRCH

2. A descriptive cross-sectional study to assess Knowledge, Attitude and Practice regarding contraceptives among pregnant women coming to Gynae OPD AIIMS Delhi, College of Nursing
3. A Morphological Study of Human Temporomandibular Joint Articular Disc, Department of Anatomy
4. A Phase3, Double-Blind, Placebo Controlled, Multicenter Clinical Study comparing Chemo-Immunotherapy (Paclitaxel-Carboplatin-Oregovomab) versusChemotherapy (Paclitaxel-Carboplatin-Placebo) in Patients with Advanced Epithelial Ovarian, Fallopian Tube or Peritoneal Carcinoma" (FLORA-5), Medical Oncology
5. A prospective cohort study to assess the breast-feeding rate and analyze the predictors of low milk volume among mothers of preterm admitted in a tertiary care facility, College of Nursing, AIIMS, New Delhi
6. A Randomised, Double-blind, Placebo-controlled, Phase III Study of Olaparib Maintenance Monotherapy in Participants with BRCA Wild Type Advanced (FIGOStage III-IV) High Grade Serousor Endometrioid Ovarian Cancer Following Response to Standard First-linePlatinum-based Chemotherapy (MONO-OLA1), Medical Oncology
7. A study on vascular functions and their associated molecular markers in women with ovarian endometriosis, Physiology
8. A Two-Arm Longitudinal Randomized Control Trial to Evaluate the Bone Protective Role of an Ayurveda Formulation in Postmenopausal Females., Department of Lab Medicine
9. Abnormal metabolism and gonadotropin-imbalance: Exosomal metabolomic profiles in Granulosa cells and follicular fluid of polycystic ovary syndrome patients with and without insulin resistance., Department of Zoology, University of Delhi
10. Aptamer-based diagnostic test for vulvovaginal candidiasis, Department of Dermatology
11. Assessment of Anxiety and Depression in Patient with Epithelial Ovarian Cancer After 1st line Chemotherapy: A Cross-sectional Observational Study, Department of Psychiatry
12. Augment cognition of adolescent girls and community on menstrual health and hygiene on prototype through the integration of state-of-the-art tools and emerging technologies with Behaviour Change and Participatory Communication for sustainable development, Birla Institute of Technology, Mersa, Noida
13. Bone marrow sparing extended field CRT with ddNACT in stage IIIC2 carcinoma cervix: A phase 2 study, Radiation Oncology
14. Cisplatin-encapsulated HPV virion-based targeted delivery vehicle validation on cervicotomy samples using high-resolution cryo-electron tomography, Department of Electron Microscopy
15. Comparative evaluation of sphenopalatine ganglion block and dexmedetomidine nebulization for treatment of post – dural puncture headache in obstetrics patients: a randominsed trial, Department of Anesthesiology, Pain Medicine & Critical Care –
16. Comparison of stress response in newborn delivered via caesarean section under general anaesthesia versus regional anaesthesia: a prospective observational study, Department of Anaesthesiology
17. Decoding Congenital Hereditary Endothelial Dystrophy (CHED) and correlating genotype and microbiome with clinical outcomes and exploring the potential for Gene Therapy, Department of Ophthalmology
18. Development of a transvaginal probe-based dermatoscope with automated AI-enabled decision support for detection of cancers and infections, Department of Dermatology & Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram
19. Development of an Aptamer-based point-of-care diagnostic test for preterm risk assessment through salivary estriol measurement using a commercially available glucometer, IIT-Delhi
20. Development transvaginal probe- based dermatoscope with automated AI-enabled decision support for detection of cancers and infection. Funded by ICMR (First in the World Challenge), Department of Dermatology and Venereology. AIIMS, New Delhi
21. Effect of pre-operative and post-operative counselling on prevalence of depressive symptoms, anxiety and stress in women planned for gynecological surgery, Department of Psychiatry
22. Effect of structured yoga on polycystic ovarian syndrome (PCOS)., Department of Anatomy
23. Efficacy and safety of depot leuprolide acetate on ovarian toxicity of monthly intravenous cyclophosphamide in young female patients with systemic autoimmune rheumatic diseases: A randomized controlled trial, Medicine

24. Establishing a registry for breast and ovarian cancan with mutations in hereditary cancer predisposition genes and germline DNA repository at AIIMS, New Delhi, Medical Oncology
25. Evaluation of coagulation status in postpartum females, Department of Lab Medicine
26. Evaluation of salivary biomarkers as compared to established serum biomarkers in predicting pre –eclampsia: A nested case control study, Department of Lab Medicine
27. Evaluation of the effect of fibrinogen on peripartum haemorrhage in Placenta accreta spectrum (PAS) disorders, a double blind randomized controlled trial., Department of anaesthesiology
28. Exploring HSA-MIR-1290 and its targets in idiopathic recurrent pregnancy loss, Department of Bio-physics
29. Exploring the genomic footprints and their connotations in vulvar squamous cell carcinoma, Pathology
30. External delivery of Cisplatin using HPV based nanocarriers for treatment of cervical cancer, Department of Electron Microscopy
31. Genetic determinants of premature and primary ovarian failure., Department of Anatomy
32. Hypo-fractionatedradiotherapyincervicalcancer A non-inferiority randomized controlled trial, Radiation Oncology
33. Identifying Dysregulation of miRNAs and their targets in Idiopathic Recurrent Pregnancy Loss., Department of Bio-physics
34. Implementation Research to Enhance Screening, Early Diagnosis and Initiation of Treatment for Oral, Breast and Cervical cancer in Selected Districts of India, Preventive Oncology
35. Late-night salivary cortisol levels among pregnant and postpartum women and in women using oral contraceptive pills, Department of Endocrinology
36. Low dose Oral Metronomic Cyclophosphamide and Etoposide combination in Recurrent. Refractory High Grade Endometrial Cancer, a Single Arm Phase 2 Study, Medical Oncology
37. Molecular Mechanisms involved in the development of insulin resistance by the environmental exposure of phthalates, Department of Ocular Pharmacology, RPC
38. Palbociclib and Anastrozole for patients with Estrogen receptor positive recurrent of metastatic endometrial cancers: A single arm phase 2 study, Medical Oncology
39. Point-of-care test development for Bacterial Vaginosis (BV): Bench to bedside (Clinical validation of proof-of-concept), Department of Microbiology
40. Predictors of breastfeeding failure in late preterm infants at 6 weeks of postnatal age: A prospective cohort study., Department of Pediatrics
41. Prevalence of dynapenia. sarcopenia and its association with metabolic parameters, body composition and bone mineral density in postmenopausal women: A cross-sectional study., Department of Medicine
42. Project entitled “Characterization of the uterine microbiota from women with unexplained infertility and recurrent implantation failure planned for in-vitro-fertilization (IVF)- a pilot study”, Department of Microbiology
43. Qualitative identification of HPV-16 virus in cervical cytology with PAP negative samples, Department of Electron Microscopy
44. Real world safety and efficacy of PARP inhibitors in platinum-sensitive epithelial ovarian cancer: a retrospective analysis, Medical Oncology
45. Role of Bisphenol A in pathogenesis of PCOS: A case control study., Department of Ocular Pharmacology
46. Study of oxidative stress on sperm Shelterin expression and Chromatin function in infertile males, Department of Reproductive Biology
47. To compare the opioid sparing effects of combination of dexamethasone, paracetamol and ketorolac (DexPak) VS paracetamol, ketorolac (PaK) in patients undergoing total laparoscopic hysterectomy: A prospective double blind randomized controlled trial., Department of Anaesthesiology, Pain Medicine & Critical Care
48. To evaluate the role of ultrasonography and MRI in the Mapping of deep pelvic endometriosis using the idea protocol., Department of Radiodiagnosis

49. To investigate metabolic perturbations in Endometrial Cancer by targeted transcriptomic approach in Indian cohort, Pathology
50. Understanding the impact of a ketogenic diet and yoga therapy on the gut microbiome and serum metabolites in polycystic ovary syndrome (PCOS) : A case control study, Department of Anatomy

Completed

1. Assessment of novel salivary biomarkers as compared to established serum biomarkers in predicting pregnancy complications and adverse outcomes-a pilot study, Department of Lab-medicine
2. Augmenting Cervical Cancer Elimination Effectively in a Region utilizing Affordable Technology (ACCELERATE) to enhance cervical cancer screening services for achieving WHO Target goals in the North-East Region of India., A FOGSI-FIGO grant
3. Development of a metabolite-based point-of-care test for diagnosis of bacterial vaginosis in Indian women., Department of Dermatology and Venereology, AIIMS, New Delhi
4. Evaluation of serum placenta derived pregnancy specific beta-1 glycoprotein as marker of preeclampsia, Department of Lab-medicine
5. Exploring male factor in recurrent pregnancy losses: A genomic & proteomic based approach, Department Of Bio-Physics
6. Exploring proteomic and genomic factors associated with idiopathic recuurent pregnancy losses in male partner of affected couples, Department of Bio-physics
7. Expression analysis of miRNAs linked to oxidative stress marker sperm proteins in idiopathic recurrent pregnancy loss, Department of Bio-physics
8. Psychological Trauma in Pregnancy Loss: Development of a Multidimensional Assessment Tool and a Group Intervention Module", Department of Psychiatry
9. Role of Aptamer technology for detection of Sialidases of Bacterial Vaginosis (BV) associated bacteria., Department of Microbiology
10. To evaluate combination of biochemical and biophysical marker in prediction of preeclampsia., Department of Physiology, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Ongoing	Rs 24,16,48,999+20000 (USD) = Rs. 24,32,68,999	Rs 27,09,52,091	Rs 22,61,60,262
Completed	Rs 278.22 Lakhs	Rs 334.14 Lakhs	Rs 662.63 Lakhs

Publications

Jourals: 75 Abstracts: 07 Chapters in Book: 21 Books & Monographs: 02

Publications

Item	2022–2023	2023–2024	2024–2025
Total	**96**	**167**	**105**
Journal articles	68	110	75
Abstracts	20	27	07
Chapters in books	07	28	21
Books/monographs	01	2	2

PATIENT CARE

Item	2022–2023	2023–2024	2024–2025
OPD consultations	115115	124356	133781
Special clinic consultations			
IVF	1185	1771	2131
Family Planning	4889	6165	6924
Antenatal Clinic	2399	2564	2795
Gynae-endocrinology	52	115	245
High-Risk Pregnancy Clinic	11853	11142	11494
Menopause Clinic	-	-	190
Urogynae Clinic	358	269	391
Patients provided rehabilitation services			
Physiotherapy	33391	33851	34302
Antenatal Yoga	518	502	451
Antenatal Diet/Physio			439
Total inpatient admissions	12, 022	13, 297	15, 510
Laboratory Investigations			
HSA(Husband Semen Analysis)	551	716	903
Hormone Analysis	2537	5535	11012

PATIENT CARE

In addition to services at AIIMS Main Hospital, Gynae Cancer Clinics are running at IRCH thrice weekly. The department provides round the clock obstetrics and gynaecology services to patients at CRHSP, Ballabhgarh. The complete range of gynecological oncology services is being provided at NCI, Jhajjar.

a. Facilities available in the department (including special clinics and/or special laboratory facilities)

- Antenatal clinic
- High risk pregnancy clinic
- Postnatal clinic
- Family Planning clinic
- IVF Clinic
- Gynae Cancer Clinic (at IRCH)
- Preventive Oncology services
- Gynae endocrinology clinic
- Menopause clinic
- Urogynaecology clinic
- OPD at National Centre for Ageing
- Diet and Yoga classes for antenatal women
- Onco-fertility OPD
- Birth Planning and Labour ward Tour
- Breast feeding Classes

b. Community Services / Camps

- International Yoga Day was celebrated in the department on 21 June 2024.

- Celebrated “Mobilisation Fortnight” (Dampati Sampark Pakhwada) from 27 June to 10 July 2024.
- Celebrated “Population Stabilisation Fortnight” (Jansankhya Sthirta Pakhwasa) from 11 to 24 July 2024.
- On the occasion of World Population Day, 11 July 2024, patient education and awareness related posters were displayed in patient care areas by the family planning unit and 3 Naukkad Nataks were organized.
- Celebrated “World Breastfeeding Week” from 1 to 7 August 2024.
- Celebrated “National Nutrition Week” from 1 to 7 September 2024.
- Cervical cancer awareness initiative for EHS and their dependents from 11 to 17 November 2024. Total 230 women employees were screened and managed.
- No-Scalpel Vasectomy (NSV) Camp was organized by the Family Planning Unit from 16 to 20 December 2024.
- Training course on No-Scalpel Vasectomy (NSV) was organized by the Family Planning Unit & department of Surgery, AIIMS, New Delhi from 16 to 20 December 2024.
- A Nukkad natak was conducted to raise public awareness as a part of ‘Anemia Mukti Bharat’ initiative on 26 December 2024.
- Street Play to raise public awareness on Family Planning was conducted in the OPD on 28 February 2025.
- Celebrated International Women’s Week from 3 to 8 March 2025 in collaboration with Rotary International focusing cervical screening and vaccination drive for EHS beneficiaries. A total of 240 girls were vaccinated during this drive.
- To raise public awareness on Tobacco Initiative under National Tobacco Control Programme (MoHFW) a Street Play was organized in the Mother and Child Block on 6 March 2025
- The department celebrated “POSHAN PAKHWARA” from 20 March to 4 April 2025 which included a “Health talk on Importance of Millet in diet during Pregnancy and Lactation Period”.
- Implementation of U-WIN portal (MoHFW) at delivery point was done which consist of registration & vaccination details of new-born with the features of individualized tracking of beneficiaries for vaccination status.
- Prenatal Meditation – Yoga classes are organized on every Monday/Wednesday/Friday from 1.00 PM to 2.00 PM in Mother & Child Block, New Delhi.
- Medical Camps:
    a. Dr Seema Singhal conducted Awareness Programs and screened 150 inmates at Tihar Jail Hari Nagar and 100 at Central Jail Mandoli. The screen positive cases were called for treatment at AIIMS and collaborated with colleagues at DDU and Safdarjung Hospital for treatment.
    b. Dr Seema Singhal participated in cervical awareness camp at Noida, UP
    c. Dr Nilanchali Singh attended Medical Camp organized by Kargil & Asoka Mission at Kargil, Ladakh from 7th – 13th July 2024
    d. Dr Rajesh Kumari attended Free Medical Camp organized by Patient care trust hosted in Sera Jhe Monastic University, Bylakuppee, Mysore from 23th – 26th July 2024
    e. Dr J.B Sharma attended Annual charitable medical camp in Ladakh
    f. Dr Nilanchali Singh attended Medical Camp organized by SVS from 30th Novembe to 2nd December 2024 at Pratapgarh, U.P
    g. Dr Deepali Garg attended Free Medical Camp from 23-25 March 2025 at Mundgod, Hubli, Karnataka
- Health Talks:

    DD News Interactive Session with Cancer Survivors and viewers on cervical cancer

    Swasth Kisan talk on Pregnancy and Thalassemia by Dr Rajesh Kumari

    Swasth Kisan talk on Care during Pregnancy by Dr Swati Tomar on 15 February 2025.

    Cancer Awareness Talk on Doordarshan 27 March 2025

1. Details of procedures carried out during 2024-2025

Year	2022-2023	2023-2024	2024-2025
Benign Gynecological Surgeries			
Hysterectomy	509	405	525
• Laparoscopic (TLH)	184	113	171
• Abdominal	246	201	279
• Vaginal	79	91	75
Ovarian Cystectomy/Oophorectomy (including dermoid and endometriosis)	129	171	483
• Open	20	24	40
• Laparoscopic	87	66	194
• Oophorectomy	22	81	249
Ectopic pregnancy • Open • Laparoscopic	13	20 13 7	14 7 7
Cerclage	23	46	8
• Abdominal	2	6	0
• Laparoscopic	1	4	1
Myomectomy /adenomyomectomy	149	116	204
• Open	51	37	71
Laparoscopic	56	53	79
• Hysteroscopic	36	19	44
• Adenomyomectomy	6	7	10
Vaginoplasty • Mc-Indoe • Laparoscopic (Davydov's)	57 18 39	22 18 4	28 22 6
Gynaecological Cancer Surgeries			
Total	**314**	**220**	**350**
Carcinoma Uterus	11	62	108
Carcinoma Ovary	262	137	235
Carcinoma Cervix	13+19	14	3
Carcinoma Vulva	9	7	4
Daycare Surgeries			
Hysteroscopic Adhesiolysis	30	47	66
Hysteroscopic IUCD Removal	20	74	60
Hysteroscopy + Mock ET	43	15	9
Hysteroscopic Placenta Removal	2	2	1
Laparoscopy + Hysteroscopic Cannulation	3	78	35

Year	2022-2023	2023-2024	2024-2025
Laparoscopy + Hysteroscopy + CT Fimbrioplasty		146	53
Laparoscopic Salpingectomy/ Clipping	75	126	55
Laparoscopic Ovarian Drilling	13	17	14
Laparoscopic Rudimentary Horn Excision	11	16	11
Laparoscopic Gonadectomy/ Gonadopexy	10	14	9
LNG-IUS Insertion	130	176	210
Other Vaginal surgeries			
McDonald's cerclage	20	36	20
CPT repair	29	18	4
TVT-O	6	15	11
Sacrospinous fixation	10	15	16
Fothergill's operation	9	7	4
Vesicovaginal fistula repair	12	4	7
Rectovaginal fistula repair	4	2	8
Labial mass excision	-	1	4
Vaginal cyst excision	6	1	37
PFR	-	19	104
SLING SURGERY	-	10	7
ART Procedures	814	1523	2366
IUI	559	664	730
IVF/ICSI			
• Fresh ET	483	363	643
• Frozen ET	314	190	316
• ICSI	54	66	74
Oocyte Cryopreservation	20	9	26
Embryo Cryopreservation	302	249	395
Semen Cryopreservation	21	20	24
Ovarian Tissue Cryopreservation	-	10	13
Fetal Medicine			
Amniocentesis	341	456	466
Chorionic Villus Sampling (CVS)	303	273	246
IUT (Intrauterine Transfusion)	195	269	337
RFA (Radiofrequency Ablation)	32	25	33
Cordocentesis	20	43	24
Selective fetal reduction	16	15	8
Amnio reduction	12	9	31

Year	2022-2023	2023-2024	2024-2025
Pleural fluid aspiration/shunt	-	1	0
Ovarian cyst aspiration	-	1	0
Pericardiocentesis	-	3	24
Laser	-	17	14
Vesicocentesis	-	1	0
Fetal cyst aspiration	3		2
Cephalocentesis	1	1	2
Laser fetoscopy	1		9
Thyroxine/Intracardiac KCL insitillation	-	3	68
Minor Procedures			
Bartholin cyst excision	20	13	11
Excision of scar endometrioma	17	2	-
Transverse vaginal septum excision		7	4
Examination under anaesthesia	12	16	23
Pap Smear	17803	1579	8020
HPV tests	1631	1775	2647
VIA	284	290	-
Cervical biopsy	795	31	828
Colposcopy	523	558	546
Thermal ablation	18	3	12
LEEP	24	23	8
Vulval biopsy	33	69	48
Vaginal biopsy	7	11	22
Vault biopsy		8	12
Labial cyst excision/labial biopsy	3	11	2
Pyometra/hematometra drainage	33	45	30
Mould change	41	17	28
Granulation tissue removal/barb suture removal	-	4	-
EA + ECC + polypectomy		1149	2570
3 Swab test		5	1
VACC	133	98	126
HSG		750	596
Conization	5	7	17

Year	2022-2023	2023-2024	2024-2025
Obstetric			
Total No. of deliveries	2833	2985	2715
Total Vaginal delivery	1411	1340	1114
Total Caesarean sections	1422	1645	1601

Family planning programme is one of the important National programmes in India with the objectives of achieving population stabilization, promoting reproductive health and reducing maternal, infant and child mortality and morbidity.

The department continued uninterrupted Family planning OPD 6 days a week to provide the following services:

- Postpartum /interval ligation
- Postabortion ligation
- Medical Termination of Pregnancy
- Contraceptive methods- IUCD, Implant, LNG-IUS insertions
- Follow-up of patients for monitoring/managing the complications due to IUCD and postpartum IUCD
- Counselling and referring male patients for Non Scalpel Vasectomy (NSV)
- Regular post-natal clinics along with antenatal clinics

Various contraceptives methods are available free of cost. Injectable Contraceptive, MPA (Medroxyprogesterone acetate) under Antara program and Chhaya also available. Implanon insertion training was imparted to department faculty members and services are now in place for insertion of Implanon as a contraceptive to admitted patients.

Number of family planning methods given in 2024-2025

Method	Numbers (2022-2023)	Numbers (2023-2024)	Numbers (2024-2025)
MTP	633	573	606
Oral contraception (pkt)	**2643**	**2114**	**1452**
DMPA	264	254	104
Interval Cu-T	360	319	348
PPIUCD	682	529	468
Post abortion IUCD	95	103	103
LNG-IUS insertion	131	161	210
Tubal ligation	418	381	343
Vasectomy	26	27	15
Implanon	35	198	335

List of Visiting Faculty in Department of Obstetrics & Gynaecology

1. Dr Gnanaraj Justin Paul 02 April 24 Registries of pregnancy in women with heart disease in India Institute of Cardiology, Rajiv Gandhi Government General Hospital, Madras Medical College
2. Dr Jayathilaka Chandani Anoma 22 August 24 Interative session with Trainees during Training on Colposcopy and Management of Precancerous Lesions for Maldives and Sri Lanka MoH Officials WHO SEARO
3. Dr Peter Lim 09 September 24 Robotics in Complex Gynaecological Surgeries Center of Hope, Reno, Nevada, USA
4. Mary Eiken 03 December 24 International Collaborative research oppurtunities in Gynae oncology IGCS CEO
5. Dr Asima Mukhopadhyay 03 December 24 Research in Gynae oncology James Cook University Hospital, UK

6. Professor Neville F. Hacker 19 March 25 Interactive session in gynae oncology University of NSW, Sydney
7. Professor Kailash Narayan 19 March 25 Interactive session in gynae oncology Peter Mac Callum Cancer Centre & Icon cancer, Melbourne, Australia
8. Ms. Manju Lata 28 March 25 Health Talk on Cervical Cancer Awareness in Gynae OPD AIIMS, New Delhi

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Neena Malhotra was Head of WHO collaborative centre for research in Human Reproduction and Prevention of Cervical Cancer. She was President Elect Indian Fertility Society (2024-2026). She was Sr. Vice President IFS (2022-24). She was Chairperson of the FOGSI Imaging science society of FOGSI Committee 2025-2027. She Delivered Dr Prabha Mehra Oration on "Challenge to ART in this century" during 92nd Foundation Day of the Department of Obstetrics and Gynecology KGMU Lucknow organizing a IUI workshop on 29 November 2024. She Delivered IFS Oration The future of fertility preservation in India during FERTIVISION 2024 on 8 December 2024. She Received Lifetime achievement award by Indian Society for the Study of Reproduction and Fertility (ISSRF) at the 35th Annual Conference on 14 February 2025 at Jaipur. She was Examiner for Part 3 MRCOG examination organized by Royal College of Obstetricians and Gynaecologists London, UK at Le Meridian, New Delhi on 13 May 2024. She was Expert Member of the Standing Selection Committee Meeting for selection of Faculty posts in the Department of Obst. & Gynaecology, AIIMS Guwahati on 25–26 June 2024 at AIIMS, Guwahati. She was External Expert Member of Screening Committee for promotion of faculty in the department of Obstetrics & Gynaecology of UCMS & GTB Hospital, Delhi. (Online) 17 August 2024. She was Expert Member of the Standing Selection Committee for the selection of Faculty posts for Assessment Promotion Scheme in the Department of Obst. & Gynaecology, NEIGRIHMS, on 29 August 2024 at ICMR, New Delhi on Hybrid Mode. She was Trainer at Thimpu, Bhutan for ToT for Master Trainers in collaboration with Ministry of Health, Bhutan on 15–16 January 2025 organised by UNFPA. She was Chairperson in Departmental examination MD, MBBS, M.ch (Gynae – Oncology). She was Invited to State Level celebration of International Women's Day 2025 at Gangtok, Sikkim on 7–8 March 2025. She was Member – Committee to examine issues related to faculty – w.e.f. February 2024; Member – Constitution of NCI Coordination Committee at NCI Jhajjar, w.e.f. 2024; Member –Teaching Schedule Committee for Phase II/III for the MBBS, w.e.f. 2024; Member – Anti Ragging Committee (ARC) at AIIMS w.e.f. 2024-2025; Member – Central Committee/Sub – Committee 2024; Member – Technical expert COE Committee for Rare Diseases 2025; Member of NITI Aayog Committee to prepare a roadmap to make AIIMS, New Delhi a world class institution in Medical Research and Practice at Board Room on 20 April 2024.

Professor Neeta Singh received the Best paper award at 10th world congress of MIS Endo Dubai February 2026 at Dubai UAE. She was Awarded the Best Video presentation at 10th Endo-Dubai conference of Endoscopic Surgery at Dubai, UAE on 20-22 February 2025. She Conferred with the prestigious 'ISAR Appreciation Award 2024 in recognition of extraordinary accomplishments & contribution in the field of Reproductive Medicine and women's health by the Indian Society for Assisted Reproduction (ISAR). She Received prestigious Honorary Fellowship FRCOG (Ad eundem) of Royal College of Obstetrics &Gynaecology in 2024. She Conferred with the prestigious 'FOGSI Movicol Corion Award 2024' (First Runner-up) for the best Research during the 67th All India Congress of Obstetrics & Gynaecology (AICOG 2025), Mumbai.

Professor K Aparna Sharma was invited speaker for Global Advisory Board, Women Lift Health, Global Congress in Daressalam, Tanzania, 4 May 2024; Dr PushpalathaDamaraju Keynote Address, XVIth Annual Conference MAATRIKA 2024, ISOPARB Hyderabad Chapter, 23 November 2024; CL Jhaveri Prize for Best Paper of the Conference on Misc Theme, AICOG, 2025, Mumbai, 11 January 2025; Keynote address on Immunological Disorders in Pregnancy at 67th AICOG, Mumbai, 10 January 25; Keynote address on Immunological Disorders in Pregnancy at Annual Congress of OGGSCON, Chennai, 10 March 25; Nominated from AIIMS, for CAMES Simulation Master Class, Copenhagen, 19-23 August 2024; Peer reviewer for Sops for prevention and management of anaemia in pregnant women (PW) coming to the hospitals and maternity home. Directorate of Family Welfare, Government of NCT of Delhi. https:..hfw.delhi.gov.in.sites.default.files.FW.circulars-orders.anaemia_sop_2024.pdf. She was Member, Technical Consultation for Strengthening Anemia Mukt Bharat Programme by ICMR; 2 April 2024; Member, Anti-Cancer drug committee, DGHS, Government of NCT of Delhi; Member, SFM Academic council; Member, Project Review Committee, ICMR, 30 May 2024; Assessor, State Quality team, MOHFW, Government of NCT of Delhi; DST's Subject Expert Committee (SEC-HFN) under WISE-SCOPE Fellowship Program of WISE-KIRAN Division; External Expert Member on the Screening Committee for promotion of the faculty members of UCMS under DACP Scheme-2008; Expert, review of WHO Essential Respectful Care Course (ERCC) Draft Module; Expert committee meeting to review the progress of the Mission Mode project titled "Feasibility, Acceptability and Costs of providing comprehensive preconception care services to young couples in Maharashtra; Technical Expert Committee to advise the Government on use of Injection FCM in pregnancy as a part of the AMB program. 18 December 24; Experts for ICMR-PSC Intramural Proposal Review, ICMR-RCN Division, 2024.

Professor Garima Kachhawa was Expert for formulating the referral policy among hospitals for Delhi NCR under Directorate General Health services, Ministry of Health & Family welfare. On panel of experts for Integrated Emergency Care among hospitals by DG ICMR. On panel of experts for Project Review. Screening committee for extramural grants of ICMR. Member of technical advisor committee, ICMR. Central Public Information officer, RTI, for department of Obstetrics & Gynaecology, AIIMS. Member of Wet Lab Committee and Robotic Training in the SET Facility, AIIMS. Member of Selection Committee for Recruitment of staff Nurse. Counsellors, Dietician. Statistician. Study Coordinator, clinical Psychologist, Physiotherapist. Pharmacologist in various research Projects. Chairperson of Medical Board at AIIMS for Medical Examination. Member of Essential Drug list committee, AIIMS. On panel of Expert for the Standing Medical board for Medical termination of pregnancy beyond 24 weeks of gestations at AIIMS. Member of committee to evaluate Undergraduate Research Mentorship scheme projects. Member of Departmental Adverse Event Reporting Committee. Member of Condemnation Committee of Department. Executive member of DGES (Delhi Gynaecological Endoscopists Society). Internal Examiner for MD (Obstetrics & Gynaecology), AIIMS, ND. Reporting Officer of the staff member ACR from department of obstetrics & gynaecology. Member of store Purchase committee (SPC) for taking decision for the procurement.

Dr Vidushi Kulshrestha was Awarded FOGSI-Dr Mrs. Jagdishwari Mishra Prize for Poster presentation titled Single centre experience of Implanon- Nxt: The newly introduced single rod subdermal contraceptive implant in India' during AICOG 2025. She was Member – Editorial Board, Indian Journal of Obstetrics and Gynecology (IJOG), Red Flower Publication Pvt. Ltd. I reviewed manuscripts for the following Journals: International Journal of General Medicine; Journal of Inflammation Research; International Journal of Women's Health. (since 2023). She was National Master trainer for conducting Training of Trainers for Contraceptive implants, added to the contraceptive basket in 2023 by Govt of India. She was Member, District Advisory Committee (DAC), PC-PNDT Cell, South District, GNCT of Delhi. She was In-charge of Family Planning services in the Department since February 2024. She was Trainer for training service providers on Subdermal Single Rod Contraceptive Implants, in collaboration with WHO, at AIIMS New Delhi, 6 September 2024. She was Trainer for training service providers on Subdermal Single Rod Contraceptive Implants, in collaboration with Directorate of Family Welfare, Safdarjung Hospital, 3-4 December 2024. She was Trainer-Subdermal Contraceptive Implant at Gyaltsuen Jetsun Pema Wangchuck Mother and Child Hospital (GJPWMC), JDWNRH, in collaboration with Ministry of Bhutan and WHO, Thimphu.15-17 January 2025. She was Trainer for training service providers on Subdermal Single Rod Contraceptive Implants, in collaboration with Directorate of Family Welfare, Safdarjung Hospital, New Delhi, 21 March 2025.

Dr Seema Singhal received LLRM Dronacharya Award 2024. She was Felicitated by Association of Gynae Oncologists of India during Interim AGOICON 2023 held at Kolkata on 29 June 2023. She was Associate Editor : Indian Journal of Medical Research (IJMR-ICMR). She was Associate Editor : Indian Journal of Gynae Oncology (A Journal of Association of Gynae Oncologists of India) (IJGO-AGOI). She was Editorial board member for Journal of Colposcopy and Lower Genital Tract Pathology, an Official Journal of ISCCP (Indian Society of Colposcopy and Cervical Pathology). She was Co Editor for the book GTN Atlas ; Publishers Evangel, Association of Gynae Oncologists of India. She was National Co-Ordinator Dr NB Gynae Oncology weekly virtual classes for Gynae Oncology super specialty students, conducted by National Board of Examinations. She was Member Oncology committee of AOGD (Association of Obstetricians and Gynaecologists of Delhi): 2023-2024, 2024-2026. She was Joint Secretary AGOI (Association of Gynae Oncologists of India)2024-26. She was Executive member AGOI (Association of Gynae Oncologists of India) 2022-2024. She was Member Technical Expert Group on the introduction of HPV Vaccine constituted by Immunization Division MoHFW, GOI. She was Nominated as a Subject expert committee member (Reproductive and Urology), Central Drugs Standard Control Organisation (CDSCO), Directorate General of Health Services (DGHS), Ministry of Health and Family Welfare (MoH&FW), Government of India (GoI) for the evaluation of various categories of applications of clinical trials, new drugs and new medical devices. She was Nominated as PAC member of "Science and Technology for Women (STW)" programme in Science for Equity, Empowerment & Development (SEED) Division, Department of Science and Technology (DST). She was Subject Expert committee member for drafting Operational guidelines for HPV vaccination Introduction in India. She was Expert member DSMB for the Phase II clinical trial titled "Antibody Responses Following One Dose Of Cervavac ® as Compared to On Dose Of Gardasil ® Vaccine in Healthy Girls Aged 9-14 Years: A Non-Inferiority, Multicenter, Double-Blind, Randomized Controlled Trial" (ICMR).

Dr Jyoti Meena was Convenor of Skill enhancing course in colposcopy and treatment of CIN AOGIN India Interim CME held at AIIMS, New Delhi. She Presented a Featured poster on Role of Neutrophil-to-Lymphocyte Ratio (NLR) and Platelet-to-Lymphocyte Ratio (PLR) to Predict Histopathological Response in Advanced Stage High Grade Serous Epithelial Ovarian Cancer during ASGO 2024 held at Bali. She was invited speaker for Education Committee session during ASGO 2024, Bali. She was Member of Education Committee of ASGO and Co- chair for updates work group for cervical cancer in ASGO education committee. She was Member of FOGSI oncology committee. She was Member of surgical simulation committee for setting skill based simulation lab at SET facility, AIIMS. She Received Certificate of honour during Annual Accolades ceremony for women by IMA New Delhi Branch – May 2024. She was Internal examiner for MD (Obstetrics & Gynaecology) & M.Ch (Gynae Oncology), AIIMS, New Delhi

Dr Rajesh Kumari Received AOGIN 2024 Travel grant for paper on Comparison of Various Strategies for Triage in HPV DNA Positive women presented at Seoul, South Korea. He was Convener of RCOG-NZ Urogynaecology workshop on Enhancing skills in urogynaecology at India International Centre, Delhi on 1 March 2025. He was Nodal Officer for Maternal Mortality. He was Nodal Officer for One Stop Center for sexual assault cases. He was Nodal officer for National center for Aging.

Dr Juhi Bharti was Awarded the degree of DM Reproductive Medicine, AIIMS, Delhi. She was Co-convenor of Indian Fertility society-Special Interest Group of Fertility Preservation and organized a webinar on fertility preservation on 4 July 2024. She was Conference coordinator in organizing live hysteroscopic surgery workshop cum symposium organized by our department on 15 December 2024.

Dr Nilanchali Singh received European Society of Gynecological Oncology (ESGO) Mentorship Award, 2024-2026.

Dr Richa Vatsa received First Prize for Poster presentation on topic "Diagnostic Dilemma Between Rudimentary Horn and Accessory Cavitating Uterine Malformation: The Two Important Differentials of Intractable Dysmenorrhea" at the 24th Annual Congress held APAGE, held between 29 September to 1 October 2024, in ITC Grand Chola, Chennai, India.

Dr Deepali Garg received Visistchikitsaratna award by Indian medical council, East Delhi Branch.

Dr Archana Kumari Awarded Runner up prize in for paper presentation Evaluation of predictors of response to ovulation induction using Letrozole in women with PCOS: A Prospective Cohort Study from North India Oral presentation at FUSION 2024.

Dr Neha Varun received Mrs. Vidya Bhasin award (Oral paper presentation in senior category) in ISOPARB 2024. She received 1st prize in MTPCON (Oral paper presentation in senior category). She Contributed in FOGSI-ICOG GCPR, Long Acting Reversible Contraceptives. 2024. She Contributed in FOGSI-ICOG GCPR, Advances in Hysterectomy 2024.

Dr Soniya Dhiman Presented a CCR on the topic "Pregnancy after Renal Transplant- Navigating Complexities" presented on 25 February 2025 at AIIMS, New Delhi.

Dr Anubhuti Rana was Master trainer for Training on Subdermal Single Rod Contraceptive Implants on 6 September 2024 at AIIMS, New Delhi.

9.26 Orthopaedics

Professor and Head
Ravi Mittal

Professors

Shah Alam Khan
Bhavuk Garg
Vijay Kumar
Mohd Tahir Ansari

Additional Professors

Venkatesan Sampath Kumar
Vivek Shankar
Vikrant Manhas

HIGHLIGHTS

The Department of Orthopaedics at AIIMS has doctors with specializations in the field of sports medicine, paediatric orthopaedics, hand surgery, joint replacement, musculoskeletal oncology, spine surgery and treatment of complex trauma. The recent innovations in orthopaedics surgery such as navigated joint replacement, revision hip and knee replacements, navigated bone tumor surgery, minimally invasive spine surgery, vascularised grafting for non-unions, limb reimplantation, arthroscopic PCL and shoulder surgery are all being practiced here. The department also has dedicated research labs namely 3D printing lab, Genetic lab, Gait lab, which provided them both national and international recognition. ICMR and CSIR funded research projects are also being carried out.

EDUCATION

- Full term post-graduate residency program of MS (Ortho) for three years - 23 students
- Nonacademic Senior resident - 14
- The following fellowship courses are being conducted at the Department:
    - Fellowship in Arthroscopy - 2
    - Fellowship in Musculoskeletal Oncology - 2
    - Fellowship in Arthroplasty - 2

Short & long-term training programs are also being conducted in the department regularly

CMEs/Workshops/Symposia/National and International Conferences

1. Current Concepts in Arthroplasty (CCA 2024) 2-4 August 2024, New Delhi
2. 4th AIIMS International Spine Deformity Course, 27-29 March 2025, New Delhi
3. Cadaveric course on arthroscopic meniscal repair on 11 January 2025
4. High Tibial Osteotomy Workshop on 17 November 2024

Lectures delivered at CMEs, National and International Conferences

Lectures Delivered: 139

Ravi Mittal: 14 **Shah Alam Khan: 4** **Vijay Kumar: 65**
Bhavuk Garg: 22 **Mohd Tahir Ansari: 4** **Venkatesan Sampath Kumar: 11**
Vivek Shankar: 5 **Vikrant Manhas: 14**

Ravi Mittal

1. Double row rotator cuff repair, SMAW, 7 April 2024, Delhi
2. MCL and PMC injury of knee, NZIOACON, 6 April 2024, Patiala
3. Role of HTO in era of arthroplasty, Hip and knee Conference, 21 April 2024, Patna
4. Meniscus root and ramp lesion, UPACON, 27-28 July 2024, Agra

5. Instructor, UPACON, 27-28 July 2024, Agra
6. How to plan for HTO at basic osteotomy course, MAMC, 25 August 2024,
7. Live surgery for ACL reconstruction and medial meniscus repair, Bhatinda knee course, 26-27 October 2024, Bhatinda
8. Tibial bone defects in TKR, Bhatinda knee course, 26-27 October 2024, Bhatinda
9. Nonunion of proximal humerus, CEZCON, 17-19 October 2024, Agra
10. Malunion of extra articular proximal tibia, OTTSCAN, 5-6 October 2024, Varanasi
11. Habitual dislocation of patella, UPORT OCON, 8 February 2025, Greater Noida
12. Why I prefer HTO over UKR, UPORTHOCON, 8 February 2025, Greater Noida
13. Why I prefer HTO over UKR, ASAMI congress, 9 February 2025, Chandigarh
14. Medial open wedge HTO, ASAMI congress, 9 February 2025, Chandigarh

Shah Alam Khan

1. Tumor Immune Microenvironment in Osteosarcoma, MSTS (Musculoskeletal Tumor Society) 2024, 11-13 September 2024, Chicago
2. Limb salvage in Pelvic Tumors, Indian Orthopaedic Association Conference IOACON 2024, 2-7 December 2024, Bangalore
3. Management of Pelvic GCTs, DOACON, 7-9 November 2024, New Delhi
4. Management of common Paediatric Orthopaedic conditions, Annual Conference of Association of Rural Surgeons of India, 11-13 February 2025, Guneyari

Vijay Kumar

1. Alignment in TKR, NZOACON 2024, 5-7 April 2024, Patiala
2. Diagnosis and Management of infected THR, NZOACON 2024, 5-7 April 2024, Patiala
3. Acetabular Reconstruction in Revision THR, NZOACON 2024, 5-7 April 2024, Patiala
4. Implant Selection in TKR. 5th Annual Jaipur Shoulder Knee Course, 27-28 April 2024. Jaipur
5. Relive Surgery on UKA. 5th Annual Jaipur Shoulder Knee Course, 27-28 April 2024. Jaipur
6. Moderator and Chairperson for Session on UKR, 5th Annual Jaipur Shoulder Knee Course, 27-28 April 2024. Jaipur
7. TKR in Extra articular Deformity. 01st AIIMS Deoghar Cadaveric Workshop cum CME on Total Knee Replacement, 16 June 2024, Jharkhand
8. Instructor for Cadaver TKR Workshop. 1st AIIMS Deoghar Cadaveric Workshop cum CME on Total Knee Replacement, 16 June 2024, Jharkhand
9. Implants Selection in Primary TKR, MAC 2024, 6-7 July 2024, Indore, MP
10. TKR in Stiff Knee. MAC 2024, 6-7 July 2024, Indore, MP
11. TKR in extra Articular deformity. MAC 2024, 6-7 July 2024, Indore, MP
12. Panellist for Primary TKR session, MAC 2024, 6-7 July 2024, Indore, MP
13. History of Oxford UKR and Anteromedail Arthritis, CCA 2024, 2-4 August 2024, Delhi
14. Indications for DAA, CCA2024, 2-4 August 2024, Delhi
15. Radiotion Hazards and safety, ABC of Trauma, 9-1 August New Delhi
16. Dislocation following THA: Strategy, APAS 2024, 21-24 August 2024, Mumbai
17. Biomechanics of Hip and Restoration of centre of Rotation, APAS 2024, 21-24 August 2024, Mumbai

18. Moderator for session on Revision Total Hip Replacement. IV Congress of Traumatologists and Orthopaedists of the Republic of Kazakhstan with International Participation and the III Congress of the Kazakhstan Association of Traumatologists and Orthopaedists, 28-29 August 2024, Kazakhstan
19. Delivered a Guest Lecture on "Coated Implants in Total Knee Replacement". IV Congress of Traumatologists and Orthopaedists of the Republic of Kazakhstan with International Participation and the III Congress of the Kazakhstan Association of Traumatologists and Orthopaedists, 28-29 August 2024, Kazakhstan
20. How to do uncemented THR: Tips and Tricks, 10th UPOA Arthroplasty Course 2024, 1 September 2024, Lucknow
21. Moderated session on Revision Total Knee Arthroplasty, 10th UPOA Arthroplasty Course 2024, 1 September 2024, Lucknow
22. Revision of Intrapelvic Cup: How to stay Safe, 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia
23. Infected THR in Elderly: What's new in 2024, 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia
24. Dual Mobility in THR, Max Smart Arthroplasty Meeting, 28-29 September 2024, Delhi
25. Reconstruction Strategy in Femur for Revision THR. Arthroplasty Summit 2024, 5-6 October 2024, Pune
26. Panelist for Panel Discussion on Revision THR. Arthroplasty Summit 2024, 5-6 October 2024, Pune
27. THR in fused hip and hip spine relationships. IAACON 2024, 18-20 October 2024, Bhubaneswar
28. Moderated Live Surgery on Revision THR. IAACON 2024, 18-20 October 2024, Bhubaneswar
29. Judge for Best Paper by young Surgeons. IAACON 2024, 18-20 October 2024, Bhubaneswar
30. CR Knee: Salvaging PCL, IAACON 2024, 18-20 October 2024, Bhubaneswar
31. Valgus Knee. 2nd Bathinda Knee Course, 26-27 October 2024. Bathinda
32. Performed a Live Surgery on TKR. 2nd Bathinda Knee Course, 26-27 October 2024. Bathinda
33. Understanding CPAK Classification at, DOACON 2024, 9-10 November 2024, Delhi
34. THR for Bony Ankylosis, JKOACON, 15-16 November 2024, Jammu
35. Soft Tissue Balancing in THR, JKOACON, 15-16 November 2024, Jammu
36. Alignment in TKR, JKOACON, 15-16 November 2024. Jammu
37. UKR- Relive Surgery, JKOACON, 15-16 November 2024. Jammu
38. Intrapelvic cup: Staying Safe, Wiroc 2024, 29 November 2024, Webinar
39. Video Presentation on Posterior Approach. IOACON 2024, 2-7 December 2024. Bengaluru
40. Chairperson for session on Revision TKR. IOACON 2024, 2-7 December 2024. Bengaluru
41. Saw Bone Demo on SROM and Reclaim Stem, RAC 2024, 13-15 December 2024, Delhi
42. UKR- Relive Surgery, 15thCawanpore Arthroplasty Course, 21-22 December 2024, Kanpur
43. Acetabular Defects – Video, 15thCawanpore Arthroplasty Course, 21-22 December 2024, Kanpur
44. Moderator for Session on Coronal Plane Deformity in TKR, 15thCawanpore Arthroplasty Course, 21-22 December 2024, Kanpur
45. Chairperson for session on Direct Anterior Approach THR, 15th Cawanpore Arthroplasty Course, 21-22 December 2024, Kanpur
46. Revision TKR: Tips and Tricks, ROSACON 2025, 10-12 January 2025, Rajasthan
47. Dislocation in THR, ROSACON 2025, 10-12 January 2025, Rajasthan
48. Performed Live Surgery on CR TKR in Valgus Knee. IAA Arthroplasty Forum 2025, 18 January 2025, Jodhpur
49. Kinematic Alignment in TKA. IAA Arthroplasty Forum 2025, 18 January 2025, Jodhpur
50. Complication in CR TKA. IAA Arthroplasty Forum 2025, 18 January 2025, Jodhpur
51. Moderated Live Surgery of CR TKA. IAA Arthroplasty Forum 2025, 18 January 2025, Jodhpur

52. Moderated Case Presentations Sessions, IAA Arthroplasty Forum 2025, 18 January 2025, Jodhpur
53. Dual Mobility Cup, ISHKS Webinar, 15 February Webinar
54. Acetabular Reconstruction in Revision THR at, UAIOCON, 1 March 2025, Haldwani
55. Revision TKR: Simplified, POACON 2025, 02 March 2025, Mohali
56. Posterior Approach of Hip: Vedio Presentation, NEOSCON 2025, 7-9 March 2025, Sikkim, Gangtok
57. Moderated a session on General Orthopaedics, NEOSCON 2025, 7-9 March 2025, Sikkim, Gangtok
58. CR TKR: Relive Surgery, NEOSCON 2025, 07-09 March 2025, Sikkim, Gangtok
59. Management of Intraoperative Fracture in THR, IAA CADAVER HIP Course, 16 March Bhatinda
60. Knee Instability : Causes, presentation and Management, 2nd Knee and Hip Cadaveric Workshop, 22-23 March 2025, Lucknow
61. Instructor for Cadaveric Workshop. 2nd Knee and Hip Cadaveric Workshop, 22-23 March 2025, Lucknow
62. Management of Bone Loss in Revision THR. 2nd Knee and Hip Cadaveric Workshop, 22-23 March 2025, Lucknow
63. Sagittal Balancing in TKR. JOA Knee Arthroplasty Symposium, 30 March 2025, Ranchi, Jharkhand
64. Performed a Live TKR Surgery. JOA Knee Arthroplasty Symposium, 30 March 2025, Ranchi, Jharkhand
65. Alignment in TKR, NZOACON 2024, 05-07 April 2024, Patiala

Bhavuk Garg

1. Preop Planning of Kyphosis, Second Ambedkar Cadaveric Spine Workshop, 6 April 2024, Delhi
2. Skiving In Robotic Spine Surgery, DSSCON, 13-14 April 2024, Delhi
3. Neuromuscular Scoliosis, AO Scoliosis Week, 25 April 2024, Online
4. Carpal Instabilities, NBE Webinar, 26 April 2024, Online
5. Cervical Spine Injuries, NAMS Invited Lecture, 17 May 2024, Online
6. AI in Spine Deformity Correction, APSS Meeting, 14-16 June 2024, Hong Kong
7. Osteoporosis in Urban Aging Athlete, Osteoporosis Update 2024, 20 October 2024, Delhi
8. Role of EOS Imaging In Deformity Evaluation, ISSICON 2024, 25-28 October 2025, Delhi
9. Robotic Spine Deformity Surgery: Tips and Tricks, ISSICON 2024, 25-28 October 2025, Delhi
10. Newer Technological Advances in Scoliosis Surgery, DOACON 2024, 8-10 November 2024, Delhi
11. Dural Tears, Cadaveric Workshop On Microscopic Spine Surgery, 15 December 2024, Delhi
12. 3D Printing in Spine Surgery, 3D Printing Workshop For Medical Devices, Simulation And Innovation, Neuro-Engineering Workshop Series, Supported by ICMR COE-AIIMS+IITD, 15 December 2024, Delhi
13. Cell to Structures, WIROC 2024, 21-22 December 2024, Mumbai
14. Back Pain, Dos and Dont's, 1 January 2025, Delhi
15. EOS: Does Apex Control Matter, ASSICON 2025, 16-18 January 2025, Bengaluru
16. Spinal Osteotomies, World Neurosurgery Conclave, 19-23 March 2025, Gurugram, HR

Moderator/panelist/chairperson

1. Robotic Spine Surgery Webinar, , 6 October 2024, Online
2. Invited Talks, ISSICON 2024, 25-28 October 2024, Delhi
3. Cadaveric Workshop On Robotic Spine Surgery, ISSICON 2024, 25-28 October 2024, Delhi
4. Journal Club on TB Spine, NBE, 13 November 2024, Online
5. Case Discussions On Degenerative Spine, ASSICON 2025, 16-19 January 2025, Bengaluru

6. Cadaveric Demonstration Of Percutaneous Pedicle Screw Insertion, World Neurosurgery Conclave, 19-23 March 2025, Gurugram, HR

Mohd Tahir Ansari

1. Perilunatedislocations : total anatomical reconstructions, CEZCON, 2024, 19 October 2024, Agra
2. Terrible Triad, CEZCON, 2024, 18 October 2024, Agra
3. Against the clock: Mastering Neglected Perilunate Fracture-Dislocations, ISSHCON, 2024, 04 October 2024, Bengaluru
4. Acute Hand Trauma, DOACON, 2024, 08-10 November 2024, New Delhi

Venkatesan Sampath Kumar

1. GCT spine, sacrum and pelvis- current standard of practice, CME on Bone Tumors, 14 April 2024, Jaipur
2. Case based discussion – GCT and GCT mimics, CME on Bone Tumors, 14 April 2024, Jaipur
3. Spectrum of Clubfoot Deformity, Workshop on Clubfoot, 19 July 2024, Kozhikode
4. Tendo Achilles Tenotomy, Workshop on Clubfoot, 19 July 2024, Kozhikode
5. Limb reconstruction workshop – Cases around the elbow, 11th Annual Conference of the Indian Musculoskeletal Oncology Society (IMSOS) "IMSOS-2025, 13-16 March 2025, Goa, India
6. Denosumab helps in curettage in GCT, 11th Annual Conference of the Indian Musculoskeletal Oncology Society (IMSOS) "IMSOS-2025, 13-16 March 2025, Goa, India
7. Pathoanatomy of Clubfoot , Comprehensive Ponseti Method Workshop, 25 March 2025, Ahmedabad, Gujarat
8. Pirani Clubfoot Score, Comprehensive Ponseti Method Workshop, 25 March 2025, Ahmedabad, Gujarat
9. Ponseti "Hand Positions", Comprehensive Ponseti Method Workshop, 25 March 2025, Ahmedabad, Gujarat
10. Common Errors in Ponseti Method, Comprehensive Ponseti Method Workshop, 25 March 2025, Ahmedabad, Gujarat

Moderator/Panelist

1. Palliative versus curative care in metastatic disease, DOACON 2024, 8-10 November 2024, Delhi

Vivek Shankar

1. Thoracic Ossification of Ligamentum Flavum in Indian Men with Spinal Canal Stenosis with Spastic Paraparesis and Treatment with Laminectomy with High-speed Burr with Constant Irrigation: A Report of Two Cases", SICOT Orthopaedic World Congress at the Sava Centre, 25-27 September 2024, Belgrade, (Serbia)
2. Thoracic Ossification of Ligamentum Flavum in Indian Men with Spinal Canal Stenosis with Spastic Paraparesis and Treatment with Laminectomy with High-speed Burr with Constant Irrigation: A Report of Two Cases, 46th Annual Meeting of the Royal College of Orthopaedic Surgeons of Thailand (RCOST 2024), 17-19 October 2024, Pattaya Exhibition and Convention Hall (PEACH), Pattaya
3. Aging Spine in Elderly, Caho Guest Lecture Online, 20 October 2024,
4. Complications in Spine Surgery, IOACON 2025, 5-7 December 2024, Bengaluru
5. ASSI Research Group Session-Spinal Infection, Assicon 2025, 16-18 January 2025, Bengaluru

Vikrant Manhas

1. Faculty–Complex Hip Arthroplasty Workshop, UAIOACON 2024, March 2024, Rishikesh, India
2. Total hip arthroplasty via Direct anterior approach- tips and tricks, UAIOACON 2024, March 2024, Rishikesh, India
3. Infected TKR: Revision, 13rd SICOT Educational Day, 44th SICOT Orthopaedic World Congress, 24 September 2024, Belgrade, Serbia

4. Moderator–Q&A Session, Basic hip, 4th SMART Conclave on Knee and Hip Arthroplasty, 29 September 2024, New Delhi, India
5. Direct anterior approach for revision hip- case based discussion, 4th SMART Conclave on Knee and Hip Arthroplasty, 29 September 2024, New Delhi, India
6. Acetabular Exposure & Cup Preparation, IAACON 2024 Cadaveric Workshop–Direct Anterior Approach to Hip, 17 October 2024, Bhubaneswar, India
7. Direct anterior approach for revision hip, IAACON 2024 Cadaveric Workshop–Direct Anterior Approach to Hip, 17 October 2024, Bhubaneswar, India
8. Speaker–Re-live video: DAA on normal OT table, IAACON 2024 – Main Conference, 18 October 2024, Bhubaneswar, India
9. Chairperson–Modular THA/Revision Panel Discussion, IAACON 2024 – Main Conference, 18 October 2024, Bhubaneswar, India
10. Bone Donation & Banking, ORBO Training Programme – AIIMS, 21 January 2025, New Delhi, India
11. Panelist–PJI, DAIR, TB, Revision THA, ROC 2025, 1 February 2025, Mumbai, India
12. Direct anterior approach for complex and revision THA. RML-DOA Knee & Hip Arthroplasty Cadaveric Workshop, 11–12 January 2025, New Delhi, India
13. Advancing Direct anterior approach in complex THA, UPORTHOCON 2025, 9 February 2025, Greater Noida, India
14. Valgus knee, KGMU Arthroplasty Conclave, 22–23 March 2025, Lucknow, India

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
95	138	139

List of oral papers/posters presented: 25

1. Garg B, Does Hi-PoAD technique work for congenital scoliosis: A single centre case series, ISSICON 2025, 25-28 October 2024, New Delhi4
2. Garg B, How Does Posterior Fusion Affects Muscle Activation Pattern in Adolescent Idiopathic Scoliosis: A Walking Emg Analysis, SRS annual meeting 2024, 10-14 September 2024, Barcelona, Spain
3. Garg B, Integration and Application of Artificial Intelligence and Surface Topography in Scoliosis Screening, ISSICON 2024, 25-28 October 2024, New Delhi3
4. Garg B, Is the Morphology of the Apical Pedicles Influenced by Apical Rotation or the Coronal Curve Magnitude in Adolescent Idiopathic Scoliosis, ISSICON 2024, 25-28 October 2024, New Delhi
5. Garg B, Role of 3D Gait Analysis in Targeted Rehabilitation for Enhancing Outcomes in Patients with Spinal Cord Injury, ESMAC 2024, 9-14 September 2024, Oslo, Norway
6. Garg B, Role Of 3d Gait Analysis In Targeted Rehabilitation For Enhancing Outcomes In Patients With Spinal Cord Injury, ISSICON 2024, 25-28 October 2024, New Delhi2
7. Garg B, Role of 3D Gait Analysis in Targeted Rehabilitation for Enhancing Outcomes in Patients with Spinal Cord Injury, ESMAC 2024, 9-14 September 2024, Oslo, Norway
8. Garg B, The Role Of Nicotine Replacement Therapy In Pain Management For Abstinent Smokers Undergoing Spinal Fusion: A Randomized Controlled Trial, World Congress On Pain Research And Management 2024, 24-25 October 2024, Dubai1
9. Khan SA, Kapoor L, Kumar VS, Saad S, Barwad A, Mridha A, Gamanagatti S, Bakhshi Set al, Evaluation of Tumor Immune Micro-environment for PD-L1 score and Tumor Infiltrating Lymphocytes in high grade osteosarcoma & their correlation with disease progression, MSTS meeting, 11-13 September 2024, Chicago, USA
10. Kumar V, Ojha M, A Sugumar P, Janardhanan R, Shankar V, Nag H, Evaluation of outcome following bilateral sequential TKA done at short interval, 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia

11. Kumar V, Ojha M, Nayak T 1, Kashyap L, Comparison in efficacy of transdermal buprenorphine versus ketoprofen patches for postoperative analgesia in total knee Arthroplasty: A randomised control trial.,. 97thAnnualMeeting of the Japanese Orthopaedic Association (JOA 2024), 23-26 May 2024, Fukuoka, Japan
12. Kumar V, Ojha M, Shankar V, Gamanagatti S, Use of CT Angiography and Temporary Balloon Catheter Placement to Prevent Vascular Complication in Case of Revision THR with Intrapelvic Hardware.,. 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia
13. Kumar V, Ojha M 2, Behera A 1, Shankar V, Outcomes of Revision total hip Arthroplasty using prefabricated porous coated flanged acetabular cup having caudal hook for obturator foramen and lugs for illium fixation.,. 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia
14. Kumar VS, Correlation of nutritional status and vitamin D deficiency in children with knee deformities, POSICON 2025, 2-5 January 2025, Ahmedabad, India
15. Kumar VS, Outcomes of hemiarthroplasty in proximal femur reconstructions: a retrospective analysis from a tertiary referral centre, IMSOS 2025, 13-16 March 2025, Goa, India
16. Kumar VS, Vishwakarma A, Prospective study to assess the prevalence of knee deformities in children and its correlation with nutritional status & regulators of bone metabolism, APOA YSF 2025, 22 February 2025, Coimbatore, India5
17. Madan R, Kumar V, Malhotra R, Kinematic Vs Mechanical Alignment in Bilateral Total Knee Arthroplasty: A Prospective Randomized Controlled Trial to Evaluate Clinical, Functional and Radiological Outcome, 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia
18. Madan R, Kumar V, Malhotra R, Optimizing Total Knee Arthroplasty: Exploring Gait Dynamics in Kinematic vs. Mechanical Alignment, 44th SICOT Orthopaedic World Congress, 25-26 September 2024, Belgrade, Serbia
19. Manhas V, A Comparative Prospective Analysis of Muscle Trauma in Total Hip Arthroplasty Using DAA: Standard OT Table vs Orthopaedic Fracture Table, 44th SICOT Orthopaedic World Congress 2024, 25-27 September 2024, Belgrade, Serbia
20. Manhas V, Advancing the Direct Anterior Approach (DAA) in Complex Primary and Revision Total Hip Replacements, 44th SICOT Orthopaedic World Congress 2024, 25-27 September 2024, Belgrade, Serbia
21. Manhas V, Comparison of Muscle Damage in THA for AVN Hip: Posterior Approach vs DAA on Standard and Specialized Tables – Single-Surgeon Study, IOACON 2024, 2-7 December 2024, Bengaluru, India
22. Manhas V, Evaluation of Outcome of TKR following UKA failure: double cut technique, 44th SICOT Orthopaedic World Congress 2024, 25-27 September 2024, Belgrade, Serbia
23. Manhas V, Incidence and Causes of Cement Intravasation in THA: Data Analysis of 1, 100 Cases from a Single Center, 44th SICOT Orthopaedic World Congress 2024, 25-27 September 2024, Belgrade, Serbia
24. Manhas V, Muscle Trauma in Total Hip Arthroplasty Using DAA: Standard OT Table vs Orthopaedic Fracture Table, IAACON 2024, 18 October 2024, Bhubaneswar, India
25. Shankar Dr. Vivek Shankar, Jujunda Dr Kamal Jujunda, Kapoor Dr. Love Kapoor, Dr. Venkatesan S, Professor Shah Alam Khan, Prof Arvind Jayaswal (PRESENTED IN ABSTENTIA), Analysis of Midterm Clinical and Functional Outcomes Following Sacrectomy for Primary Malignant Sacral Tumors: A Single Tertiary Care Center Study on Posterior-Only Approach without Reconstruction.,. Asia Pacific Spine Society (APSS) 7th Annual Meeting 2024, 14-16 June 2024, Hong Kong Convention and Exhibition Centre, Hong Kong

    1- Best Paper Award

    2- SCS Gold Medal Award

    3- SCS Second Prize

    4- SCS Third Prize

    5- Best PG Thesis Award

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
28	35	25

RESEARCH

Funded

Ongoing

1. A comparative study between pentoxifyline and Teriparatide for the treatment of postmenopausal osteoporosis: A randomized controlled Trial, Dr. Bhavuk Garg, ICMR, 3 Years, 2022-2025, Rs 106.21 Lakhs
2. A comparative study to evaluate the Immunoporotic effect of first-line therapies (Bisphosphonates, Teriparatide and denosumab) in Osteoporosis.,. Vikrant Manhas, Intramural interdisciplinary (Intramural funded), 1 Year, 2023-2024, Rs 10 Lakhs
3. A Prospective single arm multi-centric post marketing clinical follow-up study to evaluate the safety and performance of pedicle screws in patient with spinal disorders, Dr Bhavuk Garg, Auxien Medical Private Limited, 3 Years, 2023-2026, Rs 7.30 Lakhs
4. A Randomized controlled trial to evaluate the efficacy of multimodal Ayurveda interventions in Jaanu Sandhigatavata (Primary Knee Osteoarthritis), Dr Uma Kumar, Dr Vijay Kumar, Dr Danveer Badu, Dr RK Arya, Dr BD Chaudhary, Ayush, 3 Years, 2022-2025, Rs 98.66 Lakhs
5. Biomechanical study on the efficacy of rehabilitation for subjects with trauma-induced gait impairment, Dr Bhavuk Garg, DRDO, 3 Years, 2022-2025, Rs 58 Lakhs
6. Cross sectional Hospital based study to assess prevalence of knee deformities in children audits correlation with Nutritional Status and regulators of bone metabolism, Dr Venkatesan Sampath Kumar, ICMR, 3 Years, 2023-2026, Rs 36.04 Lakhs
7. Determination and safety of feasibility of Thoracic Laminar Screw through morphometric analysis and cadaveric use followed by the development of a commercially viable complete laminar screw insertion system, Dr Bhavuk Garg, ICMR, 3 Years, 2023-2026, Rs 13.68 Lakhs(1st Year)
8. Development of wireless imaging system and wireless light source for arthroscopy, Ravi Mittal- AIIMS, Delhi, Jay Dhariwal -IIT Delhi, AIIMS, IIT, 2 Years, 16 December 2022-2024, Rs 5 Lakhs
9. Integrated Surgical Platform with Navigation, Robot, Simulation & Training for Total Knee Arthroplasty, Professor Mohanasankar Sivaprakasam, IIT Madras, Subodh P S, CDAC Thiruvananthapuram, Dr Vijay Kumar, AIIMS Delhi, Ministry of Electronics and Information Technology (MeitY), 4 years and 6 months, 15 March 2024-14 September 2028, Rs 3405.60 Lakhs
10. Integration and application of artificial intelligence in care of patients with scoliosis, Dr Bhavuk Garg, ICMR, 3 Years, 2023-2026, Rs 84.63 Lakhs
11. Long term effects of COVID-19 on the musculoskeletal system, Shah Alam Khan, AIIMS, 2 Years, 2023-2025, Rs 10 Lakhs
12. Magnetron plasma-controlled Ag-doped tricalcium phosphate films for testing antimicrobial efficacy for orthopaedic implants, Vikrant Manhas (AIIMS-PI), ICMR, THREE, 3 Years, 2025-2028, Rs 135.00 Lakhs
13. Multi-Centric Clinical Trials of Indigenous TKP 2.4 Implant and Pilot Production of TKP 2.4, Professor Shah Alam Khan, Dr. Venkatesan Sampath Kumar, NFTDC, 5 Years, 1 March 2022-2027, Rs 18 Lakhs
14. Skeletal muscle regeneration following total knee arthroplasty: limitations of the intrinsic stem cell pool.,. Vikrant Manhas, AIIMS-UCL Collaboration (Intramural funded), 2 Years, 2023-2025, Rs 10 Lakhs/year
15. Using Instrumented Gait Analysis to assess complex periacetabular and distal femur recontructions, Dr. Venkatesan Sampath Kumar, Ministry of Education, Govt. of India (under Scheme for Promotion of Academic and Research Collaboration), 2 Years, 2024-2026, Rs 36.26 Lakhs

Completed

1. Comparative evaluation of genetic and cytokines profile in age-matched North Indian subjects with and without knee Osteoarthritis: A follow up study, Dr Bhavuk Garg, ICMR, 3 Years, 2021-2024, Rs 12.44 Lakhs
2. Gait pattern analysis of children with bilateral genu valgum deformity of lower limbs.,. Vikrant Manhas, Intramural funded, 1 Year, 2023-2024, Rs 2 Lakhs
3. Investigate the Immunoporotic role of Bisphosphonates in treating postmenopausal osteoporosis.,. Vikrant Manhas, Intramural funded, 1 Year, 2023-2024, Rs 5 Lakhs

4. Role of biomarkers in patients undergoing major musculoskeletal tumor surgery and its correlation with different anesthetic techniques and peri-operative outcomes, Dr Venkatesan Sampath Kumar, All India Institute of Medical Sciences, New Delhi, 2 Years, 2022-2024, Rs 10 Lakhs
5. To develop low cost Indigenous Magnetic Growth Rod for Early onset Scoliosis patients, Dr Bhavuk Garg, ICMR, 3 Years, 2021-2024, Rs 80 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A prospective randomised control study to compare between Augmented Reality and Conventional Method in patients undergoing Bilateral Total Knee Arthroplasty
2. A Randomised Control Study of preoperative Oral Carbohydrate loading versus non caloric drink in patients undergoing Total Knee Replacement Surgery
3. An Ambispective study evaluating the Clinical and functional patient-related Outcomes following arthroscopic Anterior cruciate ligament Reconstruction using five stranded technique
4. Comparison of Analgesic efficacy of pericapsular block versus Quadratus Lumborum Type III Block in adult patients undergoing unilateral Hip Arthroplasty: A Randomised Control Trial
5. Coronal Plane Alignment of the Knee CPAK Epidemiological Evaluation and Functional Assessment following Total Knee Arthroplasty TKA in Indian Population
6. Demographic study of primary malignant bone tumors around the knee joint- a retrospective study from a tertiary referral centre
7. Electron microscopic evaluation of hip capsule and surrounding structures in Developmental Dysplasia of Hip and its correlation with re-dislocation rates
8. Evaluation of complex regional pain syndrome of hand in patient presenting in a tertiary care centre
9. Functional and Oncological outcomes of giant cell tumor of bone around wrist and hand: An Ambispective Observational study
10. Gait Analysis in Patients with Adolecent symptomatic flexible flat foot and its correlation with clinical and Radiological Parameters.
11. Parent's Information Needs, Treatment concerns, and Psychological Well-being in Idiopathic and Congenital Scoliosis: A Cross Sectional Comparative Study in a Tertiary Hospital in Delhi
12. Prospective study to assess the correlation of SPECT/CT and clinical functional scores in patients undergoing HTO pre-operatively and 6 months post-operatively
13. Prospective study to assess the involvement of subscapularis in rotator cuff tears: clinical, Radiological and arthroscopic evaluation
14. Retrospective Analyses of Outcomes of Revision Total Hip Arthroplasty Using Prefabricated Porous Coated Flanged Acetabular Cup having Caudal hook for obturator foramen and flanges for ilium fixation
15. Role of CT Angiography and Preoperative Permanent Embolization or Temporary Balloon Catheter Placement to Prevent Vascular Complication in Case of Revision THR with Intrapelvic Cup Migration.
16. Role of PET-CT in response assessment of Zoledronate in Giant Cell Tumor of Bone – A prospective Cohort. study
17. The Study of Clinical Characteristics and Evaluation of Novel Diagnostic Modalities in enhancing the diagnosis of periprosthetic joint infection
18. To evaluate the stress distribution in proximal tibia and clinicoradiological outcomes following primary total knee replacement using stem tibial compon
19. To study the analgesic effectiveness of Anterior Femoral Cutaneous nerve Block in addition to Proximal Adductor Canal Block and Local Infiltration Analgesia in patients undergoing unilateral Primary Total Knee Arthroplasty: A randomised Control Trial
20. Unfolding the role of epigenetic methylation of cell cycle and DNA damage repair pathways in pediatric sarcoma.

21. Unicompartmental knee arthroplasty vs high tibial osteotomy for anteromedial osteoarthritis of the knee in young patients – a randomized controlled trial
22. Utility of Fine Needle Aspiration Cytology assisted with Cell Block are Diagnosis of Bone and Soft Tissue Tumors.

Completed

1. A Pilot parallel arm Randomized control trial evaluating the impact of yoga intervention in treating post traumatic limb fractures which develop complex regional pain syndrome (CRPS I) and assessment of their quality of life
2. A randomised control trial to compare the radiological and functional outcomes of comminuted distal radius fractures 2r3c3.1 and 2r3c3.2 treated with only volar plating versus combined volar and dorsal plating
3. Ambispective study on epidemiology and functional outcome of ACL reconstruction
4. Comparative study between Arthroscopic bone grafting to non-vascularized bone grafting for nonunion of the scaphoid fracture: A Non Randomized Control Trial
5. Correlation of instrumented gait analysis in patients of primary osteoarthritis of knee with functional and outcome score and radiograph grade in Indian population
6. Evaluation of Outcomes following sequential Bilateral TKA done at Short interval Retrospective outcome analysis for THA in acetabular protrusio
7. Prospective study to assess knee deformities in paediatric outpatients and its correlation with nutritional status and regulators of bone metabolism
8. Triple Randomised Controlled Trial Comparing The Accuracy And Safety Between Free Hand, O-Arm Navigated And Robot-Assisted Pedicle screw Placement In Thoracolumbar Spine

Collaborative projects

Ongoing

1. A Randomised Control Study of preoperative Oral Carbohydrate loading versus non caloric drink in patients undergoing Total Knee Replacement Surgery, Department of Anesthesia, Pain Medicine and Critical care, AIIMS, New Delhi
2. A Randomized controlled trial to evaluate the efficacy of multimodal Ayurveda interventions in Jaanu Sandhigatavata (Primary Knee Osteoarthritis), Department of Rheumatology, AIIMS, New Delhi
3. Comparison Between Kit Based and In House Preparation of 99mTc- Ubiquicidin, Department of Nuclear Medicine/AIIMS Delhi
4. Comparison of analgesic efficacy of PENG block and interscalence block for shoulder manipulation procedures, Department of Anaesthesiology
5. Comparison of Analgesic efficacy of pericapsular block versus Quadratus Lumborum Type III Block in adult patients undergoing unilateral Hip Arthroplasty: A Randomised Control Trial, Department of Anesthesia, Pain Medicine and Critical care, AIIMS, New Delhi
6. Comparison of selective trunk block and corner pocket approach of supraclavicular brachial plexus block: A prospective randomized controlled trial, Department of Anaesthesiology
7. Comparsion of ultrasound guided out-of-plane versus in-plane costoclavicular block approach for children undergoing unilateral upper extremity surgery-A randomized controlled Trial, Department of Anaesthesiology
8. Effectiveness of usg guided hydrodissection in treatment of mild to moderate carpal tunnel syndrome, Department of Radio-diagnosis/AIIMS Delhi
9. Efficacy of HES with ropivacaine in supraclavicular brachial plexus block under usg guidance, Department of Anaesthesiology
10. Femoral Alignment Guide System “AlignAssure” In Total Knee Arthroplasty. IIT Delhi
11. Integrated Surgical Platform with Navigation, Robot, Simulation & Training for Total Knee Arthroplasty, IIT Madras, CDAC Thiruvananthapuram

12. Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Mode of Osteoporosis: An Osteoimmunological Approach, ICMR
13. Pre-compliance and clinical validation of implantable and diagnostic devices (Otorhinolaryngology, Opthalmics, and Orthopedics), ICMR
14. Randomized Controlled Trial Evaluating the Efficacy of Transcatheter Arterial Embolization in Moderate Medial Knee Pain Refractory to Optimal Non-Surgical Management - A Pilot Study. Department Of cardiac radiology, AIIMS
15. Role of 99m-Tc-Ubiquicidin scintigraphy in diagnosis of orthopaedic implant infection, Department of Nuclear Medicine/AIIMS Delhi
16. Role of CT Angiography and Preoperative Permanent Embolization or Temporary Balloon Catheter Placement to Prevent Vascular Complication in Case of Revision THR with Intrapelvic Cup Migration. Department of Radiology, AIIMS, New Delhi
17. Safety and efficacy of transcatheter arterial embolization in patients with lateral epicondylitis refractory to conservative management, Department of Cardioradiology
18. Safety and efficacy of transcatheter arterial embolization in patients with lateral epicondylitis refractory to conservative management, Department of Cardioradiology
19. The Study of Clinical Characteristics and Evaluation of Novel Diagnostic Modalities in enhancing the diagnosis of periprosthetic joint infection, Division of Infectious Disease, Department of Medicine, AIIMS, New Delhi
20. To delineate the Immunoporotic role of Regulatory and Effector B cell (Breg-Beff) axis in the pathophysiology of osteoporosis, Department of Biotechnology, AIIMS
21. To study the analgesic effectiveness of Anterior Femoral Cutaneous nerve Block in addition to Proximal Adductor Canal Block and Local Infiltration Analgesia in patients undergoing unilateral Primary Total Knee Arthroplasty: A Randomised Control Trial, Department of Anesthesia, Pain Medicine and Critical care, AIIMS, New Delhi
22. To study the analgesic effectiveness of Anterior femoral cutaneous nerve block in addition to Proximal adductor canal block and Local infiltration analgesia in patients undergoing unilateral primary total knee arthroplasty, Department of Anesthesiology, Pain Medicine and Critical Care, AIIMS
23. Trans-arterial Embolization for Clinical Improvement in Adhesive Capsulitis. Department Of cardiac radiology, AIIMS
24. Trans-arterial Embolization for the management of Achilles tendinitis. Department Of cardiac radiology, AIIMS
25. Trans-arterial Embolization for the management of Early hip arthritis. Department Of cardiac radiology, AIIMS

Completed

1. Comparison between medial and lateral approaches of USG guided costoclavicular block for upper limb surgeries-a pilot interventional randomized control trial, Department of Anaesthesiology
2. Comparison of ultrasound guided double injection vs triple injection technique of intertruncal approach of supraclavicular block: a randomized non- inferiority trial, Department of Anaesthesiology
3. Effectiveness of ultrasound guided hydrodissection in treatment of mild-moderate carpal tunnel syndrome, Department of Radiology
4. Establishing the Ideal time point for imaging of tuberculous lesions using 99mtc-Ethambutol scintigraphy.,. Department of Nuclear Medicine, AIIMS
5. Role of biomarkers in patients undergoing major musculoskeletal tumor surgery and its correlation with different anesthetic techniques and peri-operative outcomes, Department of Anesthesiology, Pain medicine and critical care

6. The comparison of clinical and radiological outcomes of total hip arthroplasty with direct anterior approach versus posterior approach – A randomized control trial, Department of Orthopaedics, AIIMS
7. To compare the Forgotten Joint score, clinical, radiological outcomes and gait parameters in patients undergoing total knee arthroplasty with ultra-congruent bearing versus cruciate-retaining bearing: A Randomized control trial.,. Department of Orthopaedics, AIIMS

RESEARCH OVER PAST 3 YEARS

Research projects	2021–2022	2022–2023	2023–2024	2024–2025
Total funded projects	7	28	19	15
Total funding (lakhs)	Rs 295 Lakhs	Rs 1172.1 Lakhs	Rs 4089.7 Lakhs	Rs 4034.34 Lakhs

Publications

Journals: 33 **Abstracts: 08** **Chapters in Book: 01**

Publications

Item	2021–2022	2022–2023	2023–2024	2024–2025
Total	**39**	**83**	**56**	**42**
Journal articles	37	74	46	33
Abstracts	1	0	3	8
Chapters in books	1	9	7	1
Books	0	0	0	0

PATIENT CARE

Under the title: Patient care/supportive activities: please include information regarding:

(a) facilities available in the department (including special clinics and/or special laboratory facilities)

(b) community services/camps, etc.

Please also provide data wherever appropriate.

Patient care (other items may be added/removed as per activity of department)

Professor Shah Alam Khan and Dr Venkatesan Sampath Kumar are running the clubfoot clinic and are nodal faculty for supporting patient care services at NCI Jhajjar

Professor Bhavuk Garg is involved in running the scoliosis clinic

Professor Mohd Tahir Ansari has been involved with treatment of general orthopaedic patients and hand related illness patients in general orthopaedic OPD and Hand Clinic

Dr Venkatesan Sampath Kumar was part of a public lecture on Paediatric Rheumatic Diseases at AIIMS, New Delhi

Item	2021–2022	2022–2023	2023–2024	2024–2025
OPD consultations		2, 23, 498	2, 01, 192	206355
Special clinic consultations		3063	4400	4350
Patients provided rehabilitation services			66, 717	51, 636
Total inpatient admissions	5312	8869	9365	11368

CLINIC NAME	Number of Patients Catered
Scoliosis Clinic	675
Hand Clinic	258
CTEV Clinic	3400
Sports Clinic	17

	Unit- I	Unit- II	Total
Major OT Procedures	1794	2117	3911
Minor OT procedures	1136	1547	2683
Admissions	4711	6657	11368

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Ravi Mittal was External expert for APS meeting for NEIGHRIMS Shillong at ICMR on 29 August 2024. Radio talk on joint pains at AIR FM radio on 4 June 2024.

Professor Shah Alam Khan Delivered Plenary lectures at important sessions of the Annual conference of the Indian Orthopaedic Association held in Bengaluru, December 2024.

Professor Vijay Kumar was President North Zone Orthopaedics Association. Joint Secretary of IAA. Legal Chair Indian Society of Hip and Knee Surgeons. Organising Secretary of Current Concepts in Arthroplasty 2024, New Delhi, 2-4th August 2024. Scientific Chairman of Revision Arthroplasty Conference 2024 (RAC 2024), New Delhi, 13-15 December 2024. TV shows- Hello Doctor on DD Urdu, Fit India Healthy India on DD Urdu, Arthritis on Daily News Live.

Professor Bhavuk Garg received ASSI publication Award 2025. He also received ASSI publication Award 2024. He received Medical dialogue Blackbuck Research Award 2024. He received IMA Academic Award 2024.

Dr Venkatesan Sampath Kumar received Best Paper Award in CCA 2024. He also received Best Thesis Award in APOA- YSF 2024.

Dr Vikrant Manhas was Review Committee Member of the Committee constituted by AIIMS for Rashtriya Arogya Nidhi (RAN).

He was Review Committee Member for examination and approval of medicines disbursed for OPD patients in the Department of Orthopaedics by Free Generic Pharmacy at AIIMS, New Delhi. He was Office in charge of GEM (Unit-I) in the Department of Orthopaedics. He was Office-in charge (Unit- I) of Disability assessment and certification in the Department of Orthopaedics. He was Moderated the Q&A Session on Basic Hipat the 4th SMART Conclave on Knee and Hip Arthroplasty, conducted on29th September 2024at New Delhi, India. He was Chaired a Scientific Session at the International Symposia on Bone Health (ISBH 2024), held on 9th November 2024 at New Delhi, India. He was Completed the Programme on Implementation of NABH 5th Edition Standards for Hospitals, organized by National Accreditation Board for Hospitals & Healthcare Providers (NABH)at AIIMS, New Delhi from 19 to 21 September 2024.

VISITING SCIENTIST

Dr Lie Tijauw Tjoen from Denny, Singapore gave a guest lecture on “Shoulder Instability in Asia: Are we that different? Algorithm and Strategies in dealing with minor and major bone loss” on 8 April 2024.

9.27 ENT

Professor and Head of Department

Alok Thakar

Professors

Rakesh Kumar	Kapil Sikka	Chirom Amit Singh
Rajeev Kumar		Prem Sagar

Additional Professors

Arvind Kumar Kairo	Shuchita Singh Pachaury	Hitesh Verma

Assistant Professors

Poonam Sagar	Anup Singh

Assistant Professor (NCI)

Smriti Panda	Manish Verma	Manaswita Roy

HIGHLIGHTS

The Department undertook its first Auditory Brain Stem Implant in January 2025. It is now among a group of select global institutions with such experience and has expanded its expertise in cutting edge implantation otology.

The department continued its activities to impart quality education to its own students and also to delegates and observers.

The department was committed to providing quality education to its own residents, students, fellows, and other delegates both online and offline. Department conducted various conferences and meetings including cochlear implant workshop and International Head and Neck cadaveric hands on workshop Department also conducted an Otology workshop. The Third SK Kacker Oration was delivered by Padma Shree Professor Milind Vasant Kirtane, Professor Emeritus, Seth G. S. Medical College & Hon. Surgeon at KEM Hospital, Mumbai. The oration was largely attended by various ENT specialists from India and Abroad and many students of Prof Milind Vasant Kirtane.

EDUCATION

The formal lecture schedule for the MBBS students is included in the 6th and 8th semesters and consists of 1-hour lectures. The undergraduate students are posted in the ENT department (OPD and Ward) for a total period of 2 months on rotation basis. Here they learn the basic ENT examination, become familiarized with diagnosing the common ENT diseases and learning the elementary management, including communication skills.

The clinical training consists of

1) Two classes on introduction to the clinical aspects of ENT including proper Ear, Nose and throat examination
2) Bed side teaching and case discussion on common ENT conditions like CSOM, Deviated Nasal septum, Nasal polyps, Cancer larynx etc
3) They are also exposed to common ENT procedures

For postgraduates, major goals are patient care, teaching, research ability, and team work.

PG student will have to do presentation of seminar/paper, research writing, and acquire Clinical decision making ability & management expertise. Postgraduate students perform major and minor surgical procedures under supervision of a faculty member/a senior resident. They are trained to perform major and minor operations independently. During training, they are posted for exposure to Audiology Section and Vestibular Laboratory, Learn bedside history taking in ward, OT exposures, casualty, ICU requirement and their visit to related disciplines such as Neurosurgery/Anaesthesia. Care of indoor (Medical; preoperative and postoperative) patients. Attends operation theatre and emergency operations. Assists ward rounds and visit other wards with senior colleagues to attend call/consultations from other deptt. They also participate in the teaching sessions in ward for bedside clinical aspect, in specialty clinics in afternoon in seminar/journal Club and do emergency duty as per Roster of the deptt. Postgraduate student also have to do thesis under guidance of faculty.

The department also runs the MCh Head and Neck Surgery super speciality course and fellowship in Skull Base surgery. The MCh residents have been allocated duties in the respective specialties in OPD, OT and also attend academic activities

jointly with departments of radiation oncology, medical oncology, pathology, neurosurgery etc. MCh residents and Skull Base Fellows also are encouraged to participate in research projects jointly with faculty members. They present Seminars and Journal clubs by rotation. MCh residents are also posted in NCI Jhajjar for clinical and academic duties..

The department also organizes workshops and conferences for benefits of national and international delegates from time to time on various recent topics of interest. The department also welcomes delegates for observership from India and abroad and hosts them to observe departmental activities, specialty clinics, seminars and operative procedures.

Online teaching schedules continued over virtual platforms during the pandemic.

The department recently hosted Prof Terry Jones, Liverpool and Prof Kyung Tae, Seoul, South Korea. Collaborations helped us take further our intents of Biobank establishment and minimal invasive thyroid surgery further.

Long Term Training:

None

Short Term Training:

- Dr PK Rathore, Professor, Department of ENT, Maulana Azad Medical College, New Delhi, 2 Months, 1 March 2025-30 April 2025
- Dr Ranjan Raychowdhury, Professor, Department of Otolaryngology - Head & Neck Surgery, Vivekananda Institute of Medical Sciences, Ramakrishna Mission Seva Pratishthan, West Bengal University of Health Sciences, one month, 10 March 2025-4 April 2025
- Dr Swati N Chandel, Junior Resident (ENT), Institute of Medical Sciences, Banaras Hindu University, Varanasi, one month, 27 February 2025-26 March 2025
- Dr Seema Monga, Professor and Head, Deptt of ENT & Head Neck Surgery, HIMSR, New Delhi, two weeks, 22 June 2024 to 1 July 2024
- Ms Kashika Singh, Medical Student, University of Southampton, UK, 1 Month, 4 April 2024-3 May 2024

Elective training:

- Department had observers and rotation postings from Departments of Emergency Medicine, Radiation Oncology, Neurosurgery, Pediatrics and Physiology.

Number of students/trainees registered in the Department.

Name of Course	2022-2023	2023-2024	2024-2025
MS (Otorhinolaryngology)	05	17	6
MCh Head-Neck Surgery and Oncology	04	04	07
Fellowship in Skull Base Surgery (Otorhinolaryngology)	01	--	01
Senior Resident (Non-Academic)	05	04	07
Senior Resident (Non-Academic) AIIMS-CAPFIMS	--	--	06

CMEs/Workshops/Symposia/National and International Conferences

1. Transoral, Endoscopic and Thyroid Course 2024, 2– 6 April 2024
2. 6th AIIMS Facial Plastics Workshop & CME from 11-13 October 2024
3. Cadaveric Dissection Course Transtemporal Approaches to Jugular Foramen, from 19-20 November 2024
4. Head & Neck dissection Course from 25-26 November 2024
5. 4th Hands on Microvascular Reconstruction Course from 27-30 November 2024
6. 1st Auditory Brainstem Implant(ABI) Program from 21-22 January 2025
7. AIIMS Neuro-Otology Update 2025 workshop from 20-22 February 2025.
8. International Head & Neck Dissection Course - 2025 from 17-21 March 2025.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 243

Alok Thakar: 32	**Rakesh Kumar: 18**	**Kapil Sikka: 28**
Chirom Amit Singh: 11	**Rajeev Kumar: 35**	**Prem Sagar: 28**
Arvind Kumar Kairo: 12	**Shuchita Singh Pachaury: 8**	**Hitesh Verma: 26**
Poonam Sagar: 8	**Anup Singh: 4**	**Smriti Panda: 26**
Manish Verma: 7		

LECTURE DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
154	148	243

List of oral papers/posters presented: 51

ORAL/POSTER PRESENTATION OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
36	28	51

RESEARCH

Funded

Ongoing

1. A Phase IIb/III study to determine efficacy of Curcumin and Metformin to reduce the incidence of second primary tumors of aero-digestive tract in patients with history of head and neck squamous cell carcinoma, Rajeev Kumar (Site PI), NCG, 6 Years, 2020-2026, Rs 420 Lakhs
2. A Pilot Study of Speech Therapy Software to Teach Speech to Children with Severe and Profound Congenital Sensorineural Hearing Loss, Arvind Kumar Kairo, ICMR, 3 Years, 2025-2028, Rs 30 Lakhs
3. A randomized controlled pilot study to evaluate the effect of systemic omalizumab as compared to that of nasal corticosteroid & antihistaminic on adenoid hypertrophy in symptomatic paediatric patients, Prem Sagar (chief guide), Dr Manpreet (PG thesis candidate), AIIMS, New Delhi, 2 Years, 2024-2026, Rs 2 Lakhs
4. A study on frailty, cognitive dysfunction and associated comorbidities with Hearing loss in Geriatric population, Kapil Sikka, ICMR, 3 Years, 2024-2027, Rs 30.90 Lakhs
5. Acute and Long-Term Impact of Head and Neck Cancer Treatment on Autonomic Function., Smriti Panda, ICMR- Extramural Small Grant, 3 Years, 2025-2028, Rs 84.46 Lakhs
6. Centre for Medical Innovation and Enterpreunership, Alok Thakar, (AIIMS BioNEST), 4 Years, 2020 - Ongoing, Rs 475 Lakhs
7. Community based model for early detection speech and language training of hearing impaired children in four regions in India Mixed methods Implementation study, Chirom Amit Singh, ICMR, 3 Years, 2025-2028, Rs 778.76 Lakhs
8. Device fabrication and clinical validation of a novel mechanical handheld suction device for tracheostomy tube cleaning: a pilot study, Prem Sagar (chief guide), Dr Ritu Dudi (PG thesis candidate), AIIMS, New Delhi Intramural project, A-832, 2 Years, 2023-2025, Rs 2 Lakhs
9. Intraglandular Botulinum Toxin BoNT Injection for Postoperative Head and Neck Fistula Healing- A Pilot Study, Smriti Panda, Intramural early career grant, 2 Years, 2024-2026, Rs 5.85 Lakhs
10. Investigating Pathophysiologic Mechanisms and Biomarkers in Meniere's Disease: A Multi-Objective Study, Anup Singh Riyaz Mir Ahmad, AIIMS-Delhi, 2 Years, 2025-2027, Rs 20 Lakhs
11. Local application of specific Unani drug for medical management of Oral submucous fibrosis (OSF): A randomized controlled clinical trial, Arvind Kumar Kairo, CCRUM, Ministry Of Ayush, 2 Years, 2023-2025, Rs 35 Lakhs

12. Prospective study to evaluate the role of Systemic Bevacizumab therapy in patients with aggressive and complex laryngotracheal and pulmonary recurrent respiratory papillomatosis., Rajeev Kumar, AIIMS Intramural Collaborative Research Project, 3 Years, 2021-2024, Rs 20 Lakhs
13. Study of the development of radio resistance mechanism in oral cancer via single-cell profiling of patient-derived tumor models., Hitesh Verma/Dr R P Singh (JNU), ICMR, 1 Year, 2023-2024, Rs 54.37 Lakhs
14. Study to determine the role of mTOR pathway in the pathogenesis of juvenile nasopharyngeal angiofibroma, Rajeev Kumar, AIIMS Intramural Research Project, 3 Years, 2021-2024, Rs 20 Lakhs
15. To conduct the pre compliance and clinical validation of implantable and diagnostic devices (Otorhinolaryngology, Opthalmics, and Orthopedic), Kapil Sikka, ICMR, 5 Years, 2024-2029, Rs 1495.00 Lakhs
16. To determine the efficacy of outpatient antimicrobial therapy (OPAT) with Liposomal amphotericin B in invasive sinonasal mucurmycosis, a randomised controlled trial, Poonam Sagar, Research section, AIIMS, Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
17. Transorbital approach to infratemporal Fossa - A cadaveric exploratory Study, Anup Singh, AIIMS-Delhi, 2 Years, 2024-2026, Rs 5 Lakhs

Completed

1. Development of single-cell derived clonal spheroids as a tool for drug discovery in cancer research with focus on Head and Neck Cancer., Hitesh Verma/R.P. Singh, DST under DPRP scheme, 3 Years, 2021-2024, 300 Lakhs
2. Exome sequencing and molecular characterization in juvenile nasopharyngeal angiofibroma 2021-22, Hitesh Verma/Bhupinder verma, AIIMS Research, 2 Years, 2021-2024, 20 Lakhs

Departmental projects (including thesis/dissertations) *Ongoing*

1. A prospective cohort study to evaluate the feasibility and accuracy of fetal vibroacoustic stimulation as a neonatal hearing screening tool
2. A prospective study to correlate rhinomanometry findings in DNS with clinical, Endoscopy and radiology findings pre and 3month post surgery
3. A prospective study to evaluate role of various frailty screening instruments in predicting surgical complications in geriatric head neck cancer patients.
4. A randomised control trial on the efficacy of steroid nasal douches and antifungals in AFRS patients - a clinical, radiological and biochemical correlation
5. A randomised controlled pilot study to evaluate the effect of systemic omalizumab as compared to that of nasal corticosteroids & antihistaminics on adenoid hypertrophy in symptomatic pediatric patients
6. A Randomised Controlled Trial evaluating dual therapy of oral steroids and intranasal corticosteroids versus intranasal corticosteroids only to prevent recurrence in Chronic Rhinosinusitis with nasal polyposis after functional endoscopic sinus surgery
7. A Randomized Control Trial to compare the outcomes of endoscopic and microscopic stapes surgery
8. Aggressiveness of head and neck paragangliomas and mitochondrial superoxide production: an observational prospective study.
9. Ambispective study to assess the Universal Newborn Hearing Screening program
10. Assessment of auditory and cognitive performance in children undergoing ear surgeries: A comparative study.
11. Comparative analysis of qPCR, mRNA ISH and p16 IHC for detection of high risk HPV on fine needle aspirates and core needle biopsies in patients with metastatic squamous cell carcinoma in cervical lymph nodes
12. Comparative study evaluating Ex-Vivo US aided deep margin assessment with fresh frozen section analysis in T1-T3 tongue carcinoma: Feasibility study
13. Descriptive study of the anatomical variations of the Superficial Temporal artery and the Posterior Auricular artery in the patients with Unilateral Microtia and its implications on the surgical outcomes in Auricular Reconstruction surgery
14. Device fabrication and clinical validation of a novel mechanical handheld suction device for tracheostomy tube cleaning: A pilot study
15. Effect of maxillary morphology on eustachian tube function in children with adenoid hypertrophy: an observation study

16. Impact of NACT on surgical decision and perioperative outcome in patients with very advanced buccal cancers
17. Neoadjuvant chemotherapy using Lenvatinib in locally advanced differentiated thyroid cancer – An open label phase II study
18. Outcomes of patients surgically treated for lateral skull base tumors with special reference to quality of life
19. Patterns of laryngopharyngeal injury in patients of corrosive ingestion presenting to emergency department
20. Prospective audit of type 1 tympanoplasty and evaluation of factors affecting the outcome
21. Randomized Control Trial to Analyse the effect of Intra Operative switch On (IOSO) of Cochlear Implant As Compared To delayed switch On of Cochlear Implant On electrical Impedance measurement and Auditory Skills Development In Pediatric patients With Congenital Profound idiopathic Non-Syndromic SNHL
22. Role of preoperative nutritional intervention in improving surgical outcome in patients with oral squamous cell carcinoma: A randomised controlled trial
23. Study evaluating the effectiveness of Barbed suture versus Vicryl suture for pharyngeal closure after total laryngectomy in PCF reduction
24. Surgical Outcomes in compartmental glossectomy and standard wide margin excision in T2-T3 oral tongue squamous cell carcinoma – A randomized control trial
25. To assess the DOI in laryngeal & hypopharyngeal carcinoma and correlate results with nodal metastasis
26. To determine accuracy and consistency between ex vivo Ultrasound (USG) aided and Frozen section analysis of the deep margin of the resected specimen compared to final histopathology in Oral Tongue squamous cell carcinoma.
27. To evaluate poor prognostic factors in laryngotracheal stenosis: An ambispective study
28. To evaluate prospective auditory cortical activity changes on functional near infrared spectroscopy in prelingual profound SNHL patients undergoing cochlear implantation
29. To study the efficacy of Posterior Nasal Neurectomy as treatment modality in patients with Persistent Moderate to Severe allergic rhinitis along with medical management.

Completed

1. A comparative study to evaluate functional outcomes following tongue reconstruction with radial artery forearm free flap and infrahyoid myocutaneous flap
2. A longitudinal Survey to assess Patient Satisfaction for Nurse Initiated Follow Up Tele-Consultation among patients discharged from a selected tertiary care hospital.
3. A Prospective Study to measure the objective and aesthetic outcomes in patient undergoing septorhinoplasty
4. ACE-2 receptor expression in sino-nasal mucosa in patients with COVID 19 associated mucormycosis
5. Ambispective cohort study to evaluate the effect of Supraglottoplasty on Tracheomalacia in pediatric patients with Congenital Laryngotracheomalacia (CTRI/2023/06/054248)
6. Ambispective study to assess various primary tumour and ipsilateral nodal factors associated with contralateral nodal metastasis in patients with OCSCC
7. Ambispective study to evaluate the utility of Supraclavicular artery island flap [SCAIF] reconstruction in Head and Neck Cancers
8. An evaluation of HLA, phagocytic function and trace elements in cases of sinusitis, invasive fungal sinusitis and non-invasive fungal sinusitis
9. An OMR sheet based feed-back survey on in-patient satisfaction regarding various hospital services in a selected tertiary care hospital.
10. Evaluation of short term and long-term effects of cochlear implantation on vestibular function (CTRI/2023/07/054709)
11. Salivary MicroRNA: Their utility as bio-marker during molecular changes in the tobacco users vs tobacco non-users
12. Short term & long term effects of cochlear implant on vestibular apparatus

Collaborative Projects

Ongoing

1. A Phase III, Randomized Controlled Study of Utility of Pectoralis Major Myofascial Flap in Reducing Pharyngocutaneous Fistula Rates After Salvage Total Laryngectomy, Multicentric, TMH, Mumbai
2. Evaluation and management trends for carcinoma arising in the thyroglossal duct cyst – a multi-institutional experience, Multicentric, TMH, Mumbai
3. Evaluation of CRISPR mediated ATOH1 knock-in on hair cell differentiation in cell lines derived from the murine organ of Corti, Department of Biochemistry
4. Evaluation of specific molecular alterations and tumor immune microenvironment for detection of clinically actionable targets in high grade salivary gland carcinomas, ICMR Funded, Department of Pathology
5. Evaluation of Vestibular function in patients with CSOM, Govt Medical College, Jammu
6. Evidence for Effect of Antibioics-Mediated Dysbiosis in Nasal Microbiome on Disease outcome in Upper Respiratory Infection, Collaborative project with Biotechnology, SEAS, Bennet University
7. Genetic signatures of Cisplatin-induced hearing loss in pediatric cancer survivors, Department of Pediatric Surgery, AIIMS, New Delhi
8. He Psychological impact of age related special sensory loss on mental health, cognition and quality of life in older adults, Department of Geriatrics
9. Impact of intermittent hypoxia on oxidative and inflammatory pathway in OSA, Department of physiology
10. Intra-nasal steroids alone and in combination with Levocetirizine, and/or Montelukast for moderate to severe allergic rhinitis in children: a randomized controlled trial, Department of Pediatrics, New Delhi
11. Investigating the Differential Gene expression of HSP 70 family proteins Across Various stages of Oral SCC, Department of Biochemistry
12. A randomised, sham controlled, double blind study to evaluate the efficacy of and safety of intra-thecal OAV101 in patients with later onset type-2 spinal muscular atrophy who are ≥ 2 to < 18 years of age, treatment naive, sitting, and never ambulatory., A phase 3 Clinical trial (STEER) by Novartis Pharmaceuticals. ClinicalTrials. gov Identifier: NCT05089656.
13. Perioperative anaesthetic management of paediatric congenital laryngomalacia- A retrospective study, Department of Anaesthesiology, AIIMS, New Delhi
14. Potential diagnostic and prognostic biomarkers in precursor lesions of oral squamous cell carcinoma, Pathology
15. Potentially malignant lesion atlas project: Validating the efficacy of a novel, Point-of -care diagnostics and developing an integrated multidimensional, prognostic nomogram, ICMR funded, Department of Preventive Oncology, NCI AIIMS
16. Prevalence and pattern of vestibular dysfunction in vestibular schwannoma patients undergoing resection at a tertiary care hospital, Department of Physiology, AIIMS, New Delhi
17. R2TP expression and its significance in thyroid cancer, Department of Biochemistry
18. Role of celecoxib in reducing cognitive impairment in patients receiving definitive chemoradiation for head and neck carcinoma: A phase II randomized placebo-controlled trial, ASCO, Conquer Cancer Foundation International Innovation Grant 2023, Department of Medical Oncology
19. Sleep Micro architecture and cognitive function in OSA, Department of physiology
20. Study to determine the role of mTOR pathway in the pathogenesis of juvenile nasopharyngeal angiofibroma, Department of Pathology, AIIMS, New Delhi
21. The HYPCON Trial 2: A phase II randomized study evaluating hypo-fractionated versus conventional adjuvant concurrent chemoradiation therapy in head and neck malignancies, Department of Radiotherapy
22. The SWOAR trial: A phase III trial evaluating dysphagia-aspiration related structures & submandibular gland sparing Intensity modulated radiotherapy (SWOAR-IMRT) versus standard IMRT in Head and neck squamous cell carcinoma, Department of Radiotherapy
23. A study on the effect of genetic manipulation on mammalian inner ear cells, Biochemistry

24. The tumour immune microenvironment of follicular cell -derived thyroid carcinomas across different grades utilizing gene expression and spatial proteomic profiling, DST-SERB Funded, Department of Pathology
25. To assess the efficacy and safety of oral Sirolimus in vascular malformation: A prospective pilot assessor-blinded interventional study, Department of Dermatology, AIIMS, New Delhi
26. To evaluate the role of multiparametric MRI and shear wave elastography in evaluation of salivary gland neoplasms, Department of Radiology
27. Treatment strategies and clinical outcomes in adult patients with mucormycosis: an ambispective observational cohort study., Department of Medicine, AIIMS, New Delhi
28. Utility of DDPCR as novel method to detect CT DNA in Head & Neck Cancer, Department of laboratory oncology
29. Assessment of *PRKD* and *SS18* gene alterations in low grade salivary gland adenocarcinomas, AIIMS Intramural Undergraduate Research grant (2024-2025)
30. Comparative analysis of qPCR, mRNA ISH and p16 IHC for detection of high risk HPV on fine needle aspirates and core needle biopsies in patients with metastatic squamous cell carcinoma in cervical lymph nodes, CollaborativeIntramural, AIIMS
31. Comparative evaluation of vestibular functions using subjective visual vertical in adult patients with chronic otitis media, Govt Medical College, Jammu
32. Comparison of pulsed radio-frequency versus conventional radio-frequency in secondary glossopharyngeal neuralgia: A randomised controlled trial, Department of Anaesthesiology, AIIMS, New Delhi
33. Disease phenotypes in neonates with severe bronchopulmonary dysplasia: a descriptive cohort study, Department of Pediatrics, Division of Neonatology, AIIMS, New Delhi
34. Effect of Cochlear implantation on middle ear and saccular function, Collabrative project with AIISH, Mysuru

Complete

1. Exome sequencing and molecular characterization in juvenile nasopharyngeal angiofibroma, Collaborative project with Biotechnology Department AIIMS New Delhi
2. Evaluation of genetic profile of olfactory neuroblastoma**,** Department of Pathology
3. Molecular Basis of Mucormycosis infection, Biotechnology
4. Prevalence and pattern of traumatic dental injury in children and adolescents with severe to profound hearing impairment reporting to a tertiary care centre in North India, Pediatric Dentistry, CDER, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	16	20	17
Total funding	Rs 970.00 Lakhs	Rs 1054.00 Lakhs	Rs 2590.00 Lakhs

Publications

Journals: 40 **Abstracts: 13** **Chapters in Book: 02**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	76	154	**55**
Journal articles	50	72	40
Abstracts	7	7	13
Chapters in books	9	74	2
Books	-	1	-

PATIENT CARE

Apart from OPD, Operation theatre and minor OT services, the department runs a rehabilitation unit of audiology and speech pathology and specialty clinics in Audiology and skull base with cochlear implant, rhinology, vertigo, voice and swallowing, and twice a week Head and neck cancer clinic. Department also provides rural services at CRHSP Ballabgarh and Outreach OPD, Jhajjar. The statistics are as follows:

Ward Admissions: D4 Ward: 8403*

*Long admissions: 4600

*Short Admissions: 3803

Number of patient operated

Main OT: *Major cases- 4468 *Minor Cases- 262

Total – 4730

Minor OT OPD procedures: 35130

Number of patient seen in OPD

New patients- 39984 Old registration - 83411

Total - 123395

Total Number of Patients seen in RUAS: 6607*

*New Patients: 3227 *Old Registrations: 3380

Total audiological tests done (PTA + Tympanometry + FFA + BERA + OAE + ASSR): 23185

Medical Board

Total number of Medical Board:67

UDID (Unique Disability ID)

Total number of certificate Issued: 145

No. Of cases in Specialty Clinics

S. No.	Clinic	New Cases	Old cases	Total
1	Vertigo	121	283	404
2	Otology	54	28	82
3	Cochlear Implant	139	112	251
4	Voice	221	92	313
5	Rhinology	82	37	119
6	Head and Neck Cancer	1160	6544	7704
7	HNRC (Head and Neck Rehabilitation Clinic)	150	216	366
8	Radiology Conference	650	120	770
9	Neonatal Hearing Screening	2721	278	2999
10	FEES	632	0	632
11	Skull base Clinic	11	5	16

NCI (Jhajjar)

Number of patients seen in OPD:

New patients- 1118 Old registration – 8282

Total – 9400

Number of patients seen in IPD:

Number of patient operated

Major cases: 330 Minor Cases: 880

Total - 1210

Community service clinics

Twice weekly clinics in community hospital in Ballabhgarh with once a week operating facilities.

Weekly clinics in primary health center in Gurgaon

Weekly clinics in community hospital in IIT Delhi

The department is providing daily OPD services at Outreach OPD Jhajjar. And thrice a week OT Services.

Item	2022-23	2023-24	2024-25
OPD consultations	96497	118851	123395
Special clinic consultations	10379	13187	13656
Patient provided rehabilitation services	6513	6412	6607
Total inpatient admissions	1810	3323	8403

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Alok Thakar was Appointed to the Strategic Advisory Board- Liverpool Head-Neck Centre. He was Project In-charge of Centre for Medical Innovation & Entrepreneurship (CMIE). He was Lead Expert for ENT of National Health Authority. He was Consultant (ENT) to the Honourable Vice President of India. He was Member- Expert committee for Review of National Program for Prevention and Control of Deafness. He was Co –Chairperson-Subcommittee for Medical Devices, Standing National Committee on Medicines. He was Council Member of Asia-Pacific Society of Thyroid Surgery (APTS). He was Advisory Board member -Global Healthy Hearing Ears. He was Member of WHO Regional Expert Group on Hearing Care for South-East Asia. He was Head-Neck Oncology Specialty Board-Member of National Board of Examinations. He was Scientific Director of UChicago-UCMS Webinar Series on Head-Neck Onco Surgery. 3 Keynote Lectures.

Professor Rakesh Kumar was President of Association of Otorhinolaryngologist of India (Delhi Branch) for 2024-2025. He was Chairperson of MHD-04 BIS, looking after standard of ENT instruments. He was Member of the following National and International Scientific Bodies and Associations; a) The Association of Otolaryngologists of India; b) Member of facial reconstructive society of India; c) Member of Cochlear Implant Group of India; d) Neuro-Otological & Equilibriometric Society of India; e) All India Rhinology Society; f) AOI Delhi State Branch g) Delhi Medical Council.

Professor Kapil Sikka was Awarded the fellowship, American College of Surgeons, FACS, in 2022. He was Reviewer, Indian J Otology, Indian J Otolaryngology, Head and Neck Surgery, Indian J Pediatrics, Indian J Cancer, Laryngoscope Investigative Otolaryngology, Indian J Neurology. He was Joint Secretary, Association of Otolaryngologists of India, Delhi State Branch. He was Member of Medical Board, AIIMS. He was Hony Treasurer, Foundation for Head Neck Oncology (FHNO), 2023. He was Member, editorial team for research directory, AIIMS. He was Member, Executive Committee, AOI Delhi State Branch. He was Member, Advisory board for implementation of ADIP Cochlear Implant Program. He was Empaneled faculty for academic activities of National Board of examinations. He was Reviewer BMJ innovations. He was Assistant Editor, Indian Journal of Otology. He was Nodal Officer, AIIMS, National program for prevention and control of deafness. Instrumental in initiating ABI Program at AIIMS. Part of evaluation and surgery for first ABI at AIIMS ON 20 January 2025. He was Vice-Chairman, Otorhinolaryngologic Research Society of AIIMS (ORSA), 2024. He was Appointed Additional MS, New RAK OPD- 28 March 2024. He Delivered "Prof RN Mishra UPAOI Oration" on "Hearing loss: emerging scenarios and solutions"at 41st Annual Conference of Uttar Pradesh Association of Otolarynologists 27-29 September; 2024 at IMS, Varanasi.

Professor Chirom Amit Singh Conducted Microvascular anastomosis workshop, live rat model, 27-30 November 2024. He was Technical expert group member of Ministry of Health and Family Welfare.

Professor Rajeev Kumar received Academic Awards: "Best **Publication Award** for year 2024-25" for my work on "Pre-*vascular Facial Nodes: Sentinel station for metastasis in Gingivo-Buccal Complex Cancers"* by Delhi AOI during 46th Annual Conference of Association of Otolaryngologists of India (Delhi State Branch) held from 27-29 September 2024. He wasAwarded **Gold Medal** for video presentation in RP SONI video presentation award category for "surgical technique of open partial supraglottic laryngectomy" by Delhi AOI during 46th Annual Conference of Association of Otolaryngologists of India (Delhi State Branch) held from 27-29 September 2024. He was **Editor** in Clinical Key Now, ENT subspecialty, Elsevier (App based). He was **Member of the following National and International Scientific Bodies and Associations of** Indian Society of Otology (ISO/LM/1134); The Association of Otolaryngologists of India (LM - 4070); Foundation for Head and Neck Oncology (LM-280); Neuro-Otological & Equilibriometric Society of India; All India Rhinology Society; AOI Delhi State Branch (LM-572); Delhi Medical Council (41154); European Head Neck Society (EHNS); Asia Pacific

Thyroid Society (APTS);National Academy of Medical Sciences (MNAMS); Indian Academy of Otorhinolaryngology - Head Neck Surgery (677); Indian Society of Thyroid Surgeons (ISTS; LM -298). He was a) Reviewer for official publication of Association of Otolaryngologists of India - Indian Journal of Otorhinolaryngology and Head & Neck Surgery w.e.f 21 February 2013. He was Reviewer for Journal of Medical Case Reports; He was Reviewer for "Indian Journal of Radiology and Imaging"; He was Reviewer for "Clinical Otolaryngology"; He was Reviewer for "World Journal of Paediatric Surgery"; He was Reviewer for "BMJ Case reports"; He was Reviewer for "Cureus".

Professor Prem Sagar received Gold Medal in Senior Consultant Award Paper Presentation for paper titled "Serum Prestin level as a coherent marker of inner ear health: a cross-sectional observational study to determine the normative value and role in Meniere's Disease" in 46th Annual Conference of Association of Otolaryngologists of India, Delhi State (Delhi AOICON 2024) in Pride Plaza, Aerocity, New Delhi from 27-29 October 2024. She received Silver medal in Senior Consultant Award for: oral presentation titled "Vestibular function alteration following cochlear implantation: evaluation of the effect of surgery and continued usage of cochlear implant" in 21st National conference by Cochlear Implant Group of India, CIGICON 2024, organized by AIIMS, Patna, 30-31 August 1 September 2024. She received Second prize/Silver medal in Senior Consultant Award Paper for paper titled "Antenatal hearing screening by Foetal Vibroacoustic Stimulation: Interim results of a prospective cohort study" in 32nd Annual National Conference of the Indian Society of Otology, ISOCON 2024 in Agra, Uttar Pradesh, 8-10 November 2024. She was Organizing secretary of Neuro-Otology Update in AIIMS, New Delhi, 20-22 February 2025. She Organized 3rd Professor SK Kacker Oration by Prof Milind Vasant Kirtane on 21 February 2025 at AIIMS, New Delhi. She was Member of Expert group for review of Health Benefit Packages for ENT under AB-PMJAY, MOHFW, Govt. of India. She was Specialist in the Medical Cell of National Health Authority under the project/task on standard treatment guidelines, Health Benefit Packages, Quality Assurance, Govt. of India. Co-opt Member of the panel on ENT Sectional Committee looking after and setting up the standard of ENT Surgery Instruments, MHD 04 by Bureau of Indian Standards. She has applied for patent of invention "A system for cleaning tracheostomy tube" (Indian patent application No- 202311022027). Member of National Academy of Medical Sciences. Member of: a. Society of Ear Nose and Throat Advancement in Children, Philadelphia, USA. b. National Academy of Medical Sciences; c. Cochlear Implant Group of India; d. Neuro-Otological and Equilibriometric Society of India; e. Indian Society of Otology; f. Association of Otolaryngologists of India; g. Foundation for Head and Neck Oncology; h. All India Rhinology Society; i. Facial Reconstructive & Cosmetic Surgery Trust (India); j. Association of Otolaryngologists of India, Delhi State Branch. She was Executive editor in Clinical Key Now, ENT subspecialty, Elsevier (App based). She was Reviewer in a. ORL, Karger publishers; b. Annals of Otology, Rhinology & Laryngology; c. Indian Pediatrics Journal d. Developmental Medicine & Child Neurology, official journal of the American Academy for Cerebral Palsy and Developmental Medicine and the British Paediatric Neurology Association e. Chest, Official Publication of the American College of Chest Physicians f. Indian Journal of Otolaryngology and Head Neck Surgery g. International Archives of Otorhinolaryngology; h. Allergy & Rhinology; i. Trends in Anaesthesia and Critical Care; j. Journal of International Medical Research k. BMJ Innovations l. BMJ Case Reports; m. Frontiers in Surgery, section Otorhinolaryngology& Head Neck Surgery; n. Cureus Journal of Medical Science o. LIFE journal; p. Indian Journal of Medical Research; q. Journal of Clinical Medicine, Otolaryngology section; r. Children; s. Advances in Therapy.

Dr Hitesh Verma was Member of Medical Board, AIIMS. He was Departmental Nodal Officer for PM-JAY, Website. He was Reviewer BMJ Open, Laryngoscope, Medicine, Journal of Otolaryngology – Head & Neck Surgery, Clinical Otolaryngology, Indian Journal of Otolaryngology and Head & Neck Surgery etc. He was Hony Treasurer, Delhi AOI 2021-2023. He was Hony Treasurer, Otorhinolaryngologic Research Society of AIIMS (ORSA), 2024. CPIU, Department of ENT; Panelist for ENT related problems. India TV (04 October 24), Zee TV (11 November 24) & Doordarshan (25 October).

Dr Poonam Sagar was Organized 6th AIIMS Facial Plastics Workshop & CME, 11-13 October 2024, AIIMS Delhi; Temporal Bone Workshop Coordinator in AIIMS Neuro- Otology Update 2025 (20-22 February 2025, AIIMS Delhi). Organized departmental activity on World Hearing Day 3 March 2025- Interactive Awareness Talk on Hearing loss and prevention and elderly hearing screening.

Dr Smriti Panda was International Visiting Scholarship (IVS)-2024: American Academy of Otolaryngology- Head and Neck Surgery (AAO-HNSF).

VISITING SCIENTIST

Professor Kyung Tae, Director, Hanyang University Hospital Cancer Center, Seoul, South Korea visited the Department from 28 March 2024 till 6 April 2024 who was awarded the Infosys Chair in Oncology under AIIMS Endowment Fund.

Padma Shree Professor Milind Vasant Kirtane, Professor Emeritus, Seth G. S. Medical College & Hon. Surgeon at KEM Hospital, Mumbai visited the Department on 21 February 2025 and was awarded the 3rd Professor S.K. Kacker Oration.

9.28 Pediatrics

Professors and Head

Pankaj Hari
(Pediatric Nephrology Division)

Former Head

Madhulika Kabra
(Genetics Division)

Professors

Sheffali Gulati
(Child Neurology Division)

Rakesh Lodha
(Pediatric Pulmonology and Intensive Care Division)

Rachna Seth
(Pediatric Oncology Division)

Ramesh Agarwal
(Neonatology Division)

Vandana Jain
(Pediatric Endocrinology Division)

Aditi Sinha
(Pediatric Nephrology Division)

Neerja Gupta
(Genetics Division)

M Jeeva Sankar
(Neonatology Division)

Jhuma Sankar
(Pediatric Pulmonology and Intensive Care Division)

Kana Ram Jat
(Pediatric Pulmonology and Intensive Care Division)

Additional Professors

Biswaroop Chakrabarty
(Child Neurology Division)

Rajni Sharma
(Pediatric Endocrinology Division)

Anu Sachdeva
(Neonatology Division)

Prashant Kumar Jauhari
(Child Neurology Division)

Rohan Malik
(Pediatric Gastroenterology Division)

Jagdish Prasad Meena
(Pediatric Oncology Division)

Narender Kr. Bagri
(Pediatric Rheumatology Division)

Aditya Kumar Gupta
(Pediatric Oncology Division)

Associate Professor

Ankit Verma
(Neonatology Division)

Assistant Professors

Menka Yadav
(Pediatric Nephrology Division)

Deepika Kainth
(Neonatology Division); Contract

Jitendra Meena
(Pediatric Nephrology Divison); Contract

Mounika Endrakanti
(Genetics Division); Contract

Scientists

Madhumita Roy Choudhary

Kajal Jain

Rashmi Shukla

Amita

Lata Singh

Other Staff

Pallavi Mishra: Biochemist

Pinki Dalal: Dietician

Sumita Gupta: Physiotherapist

D Yadav: Medical Social Service Officer

Neena Mehta: Medical Social Service Officer

HIGHLIGHTS

Genetics Division

The Division of Genetics was involved in organizing the following events:

- **Indo-US Rare Summit: The Indo-US Bridging RARE Summit 2024,** held from November 16-18 at the Indian National Science Academy in New Delhi, India, successfully concluded its mission to advance global partnerships in rare disease advocacy, research, and innovation. The Summit, which lasted three days, brought together over 400 delegates both in-person and online, including patient advocates, researchers, policymakers, and industry leaders for a transformative event.



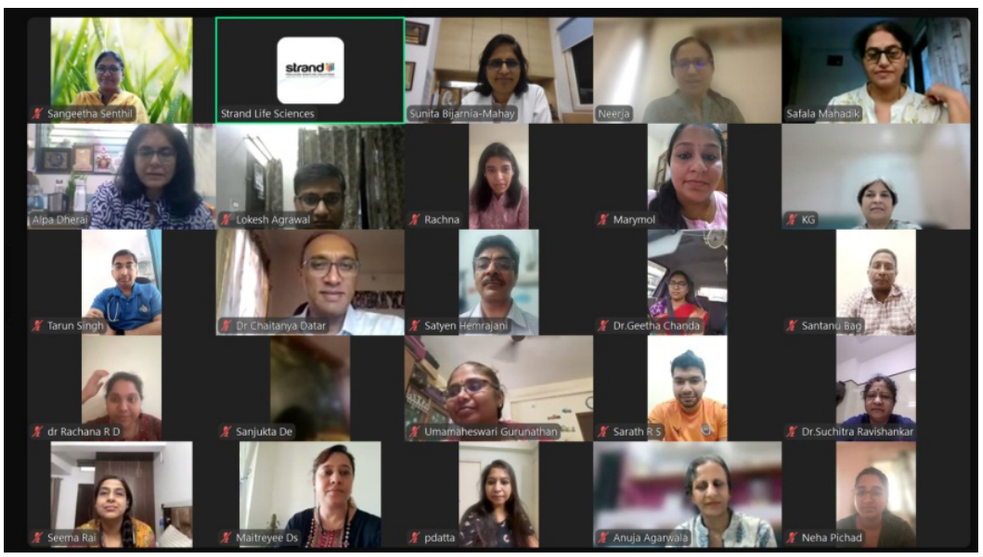


- The Division of Genetics, Department of Pediatrics at the All India Institute of Medical Sciences (AIIMS), New Delhi, and the Department of Medical Genetics at Maulana Azad Medical College (MAMC), New Delhi, have jointly organized a workshop to raise awareness of rare disorders among medical professionals on 22nd February 2025 under the aegis of the Ministry of Health and Family Welfare (MoHFW), Government of India. The event brought together various healthcare professionals, including principals from different government medical colleges, healthcare practitioners in both government and private sector institutions across the Delhi National Capital Region (NCR), residents, researchers, and patient advocacy groups, in addition to officials associated with the rare disease program from MoHFW and WHO India. Approximately 96 participants from 24 hospitals in the Delhi NCR have registered for the event.





- Under the aegis of the Indian Society of Inborn Errors of Metabolism, a foundation course on inborn errors of metabolism was held online from December 21, 2024, to March 15, 2025, followed by an offline capsule course on March 19 and 20, 2025.





Neonatology Division

- The Division of Neonatology has remained the WHO Collaborating Centre (WHO-CC) for Training and Research in Newborn Care since its establishment in 1997.
- The Division established a Comprehensive Lactation Management Center, 'Payodhi, ' which was inaugurated on 10 February 2025. The Center addresses the donor milk needs of sick babies in the NICU. We mentored Safadarjung Hospital, New Delhi, and BP Koirala Institute of Health Sciences Nepal to establish similar services.
- The WHO-CC offers an online ENCC course for healthcare professionals, including doctors and nurses, at www.ontop-in.org In 2024-25, the platform hosted two Sick Newborn Care Courses and facility-based newborn nursing courses for nurses from the South East Asian Region (SEAR) including Dhaka Medical College, Bangladesh Shishu Hospital and Institute, Sir Salimullah Medical College & Mitford Hospital, Kurmitola General Hospital in Dhaka, and Chittagong Medical College in Chattogram. In the first course (21st Sick Newborn Care Course, 27 January 2024 to 4 June 2024), 146 doctors participated, and 29 doctors successfully passed. In the 12th Facility-Based Newborn Nursing Course (28 January 2024 to 14 May 2024), 157 nurses participated, and 63 nurses passed. In the second course, the 22nd Sick Newborn Care Course (2 November 2024 to 16 February 2025), 130 doctors participated, and 60 doctors passed. In the 13th Facility-Based Newborn Nursing Course (2 November 2024, to 2 February 2025), 206 nurses participated, and 40 nurses passed.
- WHO-CC also offers self-directed learning for facility-based preterm infant care with the course "Eliminating Retinopathy of Prematurity by Improving Quality of Care " on the platform www.pretermcare-eliminatingrop.com. A total of 1562 participants registered last year and learned best practices for the care of preterm infants.
- WHO-CC also offers self-directed learning on Quality Improvement through the POCQI workbook (Point of Care Quality Improvement) available at https://workbook.pocqi.org/. Last year, 920 participants registered and learned best practices on QI.
- The Division's faculty is mentoring 15 Special Newborn Care Units (SNCUs) in Madhya Pradesh that report high caseloads and adverse outcomes. A dedicated team of 15 mentors, under our guidance and supervision, supports these facilities daily. The primary aim is to improve the quality of care and reduce neonatal mortality across these high-burden units.
- The Division is leading the SANKALP program in Khargone district, Madhya Pradesh, which focuses on achieving a single-digit Neonatal Mortality Rate (NMR). This initiative serves as a demonstration model and is expected to generate critical evidence to guide national policy toward the SDG 3 target of reducing NMR to single digits by 2030.
- The faculty recently published the 'District Hospital' sepsis study findings in The Lancet Global Health. The study's objective was to evaluate the burden of culture-positive sepsis in secondary health facilities, i.e., the district hospitals and special care newborn units (SNCUs). This study, funded by the Bill & Melinda Gates Foundation, was conducted in five district hospitals across India. We established a district hospital–tertiary site dyad, where a tertiary hospital acted as a mentoring site and provided access to the microbiology laboratory and support for the district hospital investigators during the study's implementation. The study enrolled approximately 6600 neonates and found a high incidence of culture-positive sepsis, case-fatality rates, and multidrug resistance among common pathogens in neonates admitted to SNCUs.
- The DM Neonatology program completed 25 years, a moment of pride and reflection for all associated with it. A commemorative gathering was held to mark this milestone, bringing together alumni and faculty in remembrance and celebration. Former faculty members graced the occasion, and support departments were felicitated for their longstanding contributions. Alumni from the program, now spread across the country and beyond, are doing exceedingly well and carrying forward the values instilled during their training. On this occasion, a special logo for the NICU was unveiled, symbolizing the program's guiding principles—Dedication, Compassion, and Excellence.
- QI program in NICU: We run a comprehensive quality improvement (QI) program in our unit that involves nurses, doctors, and other NICU team members in a workshop aimed at enhancing quality improvement for our residents and nurses. The Division of Neonatology initiated six quality improvement (QI) projects in the NICU: improving exclusive breast milk feeding, increasing the duration of kangaroo mother care (KMC), reducing sound levels in the NICU, minimizing unnecessary crowding and foot traffic, and decreasing prescription and transcription errors. Each project is led by a team leader (nurse or doctor), with four to five members assigned specific roles. QI meetings are held every four to six weeks to discuss progress, challenges, and potential solutions.
- Simulation lab: The team established a state-of-the-art simulation lab (model unit for simulation and skill training) with the support of UNICEF and developed a curriculum comprising 18 simulation scenarios for sick newborn care training. The goal for the next year is to implement a cascading system of simulation and skill training aimed at enhancing the competencies of providers working in medical colleges and district hospitals for the care of sick newborns.



Neonatal Resuscitation Program for undergraduates and residents at SET facility



Inauguration of the Comprehensive Lactation Management Centre (CLMC), Payodhi at the Division of Neonatology, AIIMS, New Delhi (February 10, 2025)

Child Neurology Division

The Child Neurology Division has been a "Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders Since 1 December 2017 and is dedicated to advancing research, academics, and the empowerment of both professionals and parents.

Academic outreach includes:

- A national webinar on Cannabidiol in Epilepsy in association with the Association of Pediatric Neurology
- 71 international webinars conducted with the AOCN, attended by participants from over 74 countries

As a part of a humanitarian access program for children with Spinal Muscular Atrophy (SMA):

- 42 children are currently receiving intrathecal Nusinersen (Spinraza)
- 23 children have been treated with intravenous Zolgensma
- 16 patients are receiving Risdiplam

We are actively involved in several multicentric global clinical trials, including:

- Intrathecal Zolgensma in Type 2 SMA
- Intravenous Eteplirsen (Exon 51 skipping agent) in Duchenne Muscular Dystrophy (DMD)

In addition, two patients with Cerebral Adrenoleukodystrophy underwent Hematopoietic Stem Cell Transplantation (HSCT) this year.

Our team also contributed to significant policy updates, including the inclusion of the AIIMS-modified INCLEN diagnostic tool for Autism in the official gazette notification for persons with disabilities.

Our team conducted the public health lecture in Autism on 22 April 2024, creating awareness regarding this emerging health problem to the public.

Also conducted the workshop on "Holistic Management of Autism" in AIIMS, New Delhi in collaboration with COE, IAN and AOCN on 21 to 22 September 2024

Furthermore, in collaboration with The Hans Foundation, we launched the project **"Holding Hand in Magical Years**," aimed at providing comprehensive, integrated services for children with neurodevelopmental disabilities under one roof.



Fig: Various events in Child Neurology Division Between 2024 - 2025

Pediatric Oncology Division

- Departmental symposium Frontiers in Pediatrics: Multi Specialty Symposium 25.1.25
- Late effects & Survivorship Meeting August 3& 4 2024
- Pediatric Oncology division has become member of the St. Jude Global Alliance.

Vandana Jain

Education

Pediatric Endocrinology Division

- Dr. Vandana Jain organized a 'Case-based Symposium on thyroid disorders' for postgraduates on 30 November 2024
- Dr. Vandana Jain organized a PG Masterclass in Disorders of Sex Development on 19 October 2024
- One short-term trainee came for Pediatric Endocrinology training under Dr Vandana Jain in June-July 2024: Dr Amit Kumar, Associate Professor of Pediatrics, IGIMS Patna
- Dr. Vandana Jain organized Professor OP Ghai Memorial oration by Professor PSN Menon on 9 November 2024
- Dr. Rajni Sharma served as examiner for the postgraduate case "Congenital Adrenal Hyperplasia in Childhood" in Pediatric Endocrinology for Postgraduates Program by the Indian Society for Pediatric and Adolescent Endocrinology (ISPAE) on 31 July 2024.

Genetics Division

Short-term trainees:

1. Dr. Manali Satiza Senior Resident, Hematology, 11 September 2024-20 September 2024, 10 days, Department of Pediatrics, Genetics, Prof M Mahapatra Department of Hematology, AIIMS New Delhi.
2. Dr. Aradhana Sarma, MD, 1 October 2024-20 October 2024, 20 days, Department of Pediatrics, Genetics, Professor Kalpana Luthra Department of Biochemistry AIIMS, New Delhi.
3. Dr. Anandam Biswas MD, 1 October 2024-20 October 2024, 20 days, Department of Pediatrics, Genetics, Professor Kalpana Luthra Department of Biochemistry AIIMS, New Delhi.
4. Dr. Madhubala Manoharan, MD, 1 October 2024-20 October 2024, 20 days, Department of Pediatrics, Genetics, Professor Kalpana Luthra Department of Biochemistry AIIMS, New Delhi.
5. Dr. Sanjana Irukulla, MD, 1 October 2024-20 October 2024, 20 days, Department of Pediatrics, Genetics, Professor Kalpana Luthra Department of Biochemistry AIIMS, New Delhi.
6. Dr. Abhishek Malik, Senior resident, Hematology, 1 December 2024-10 December 2024, 10 days, Department of Pediatrics, Genetics, Prof M Mahapatra Department of Hematology, AIIMS New Delhi.
7. Dr Jaideep Lochan, 7 October 24-03 February 2025, 4 months, Department of Pediatrics, Genetics,
8. Dr. Mahabharathi Senior resident, Hematology, 1 January 2025-10 January 25, 10 days, Department of Pediatrics, Genetics, Prof M Mahapatra Department of Hematology, AIIMS New Delhi.
9. Dr. Ritesh Ranjan Sah Senior Resident (DM Neonatology), 2 January 2025-15 January 2025, 15 days, Department of Pediatrics, Genetics, Dr. M Jeeva Sankar Department of Pediatrics, AIIMS New Delhi.
10. Dr. Ilika De Junior Resident, 1 March 2025-31 March 2025, 1 month, Department of Pediatrics, Genetics, Dr. Sudip Kumar Datta Department of Laboratory Medicine, AIIMS New Delhi.

Neonatology Division

- The division conducted two workshops on Neonatal Resuscitation Program at SET facility for hands-on skill training of undergraduate students and postgraduate residents of emergency medicine, pediatric surgery, obstetrics and gynecology in different batches to equip them with basic skills in resuscitation of newborns. In addition, the division has organized a Standard Treatment Protocol workshop for undergraduates.
- For the MBBS teaching program, the Department of Pediatrics has contributed to the development of skill modules for undergraduate medical students, including pulse oximeter, chest compression and pediatric resuscitation, neonatal orogastric feeding, and lumbar puncture for the SET facility.

- In the DM program, the division has organized weekly workshops covering topics such as bedside echocardiography, parenteral nutrition, ventilator settings in respiratory disorders, and neonatal equipment. These workshops are led by a senior DM resident in their final year, under the mentorship of division faculty. Other DM and senior MD residents are also involved. In addition, the division has organized five integrated seminars and case discussions involving other disciplines in the teaching program.
- The division has organized weekly workshops on topics such as Kangaroo Mother Care, Parenteral Nutrition, and Basic Neonatal Equipment training. These workshops include hands-on training for residents and nurses.
- We run a comprehensive quality improvement (QI) program in our unit that involves nurses, doctors and other NICU team members in a quality improvement workshop for our residents and nurses. The Division of Neonatology has initiated six quality improvement (QI) projects in the NICU: improving exclusive breast milk feeding, increasing the duration of kangaroo mother care (KMC), reducing sound levels in the NICU, minimizing unnecessary crowding and foot traffic, and decreasing prescription and transcription errors. Each project is led by a team leader (nurse or doctor) with four to five members assigned specific roles. QI meetings are held every four to six weeks to discuss progress, challenges, and potential solutions.

Child Neurology Division

- **Diagnostic tools which we have developed and validated for neurodevelopmental disorders-** ASD, ADHD, Epilepsy and neuromotor impairments (NMI) are being used in international research. We have made their **training teaching sessions as well as training modules** We have taken online/ face to face **training sessions** for UK and Malawi for all 4 tools. Recently we organized training sessions for experts from Pakistan, Tanzania, UK and USA for Autism and NMI. They have been translated into various languages
- Developmental Assessment and Neurological Examination resource material including a 2-pager development assessment checklist has been made available on the website. Developmental Assessment kits have also been made.

Innovative Educational activities:

- **Website (**www.pedneuroaiims.org**)** including audiovisuals for clinicians on various neurological/ neurodevelopmental disorders and parents.
- **Pedneuroaiims Diagnostics: Mobile app for diagnosing Autism, epilepsy, ADHD, neuromotor impairments** (on google and apple platforms)
- **E-learning modules in Child Neurology** (https://pedneuroaiims.chalopadho.com)
- **E learning modules of Epilepsy webinars:** you tube with around 16000 viewership till date and. QR code:
- **AI based remedial education program for SLD: http://readabled. com**

Weekly/Fortnightly webinars: Have been organizing weekly/fortnightly webinars in collaboration with AOCN, India every Wednesday 8:00 to 9:30 pm on various aspects of pediatric neurology.

Pediatric Oncology Division

- Pediatric Oncology Division won the first prize in the national quiz at the mid term pediatric Hematology-Oncology conference held at Nagpur, NCI, Maharashtra

Pediatric Rheumatology and Clinical Immunology Division

Short-term training

Name	Training	Designation and Institute	From	To
Dr. Rinku Saini	Short-term observership Pediatric Rheumatology	Associate Professor, Pediatrics, SMS, Jaipur	24 May 2024	07 June 2024

CMEs/Workshops/Symposia/National and International Conferences

Pediatric Endocrinology Division

- Dr. Vandana Jain organized the PCNI post-conference workshop on Endocrine Disorders in Children on 23 September 2024, at AIIMS, New Delhi

- Dr. Vandana Jain was the local organizing core committee member for the 13th Biennial Scientific Meeting of the Asia Pacific Pediatric Endocrine Society (APPES) and 25th APPES Fellows School, September 2024
- Dr. Rajni Sharma was the Organizing Secretary of the Gender Affirmative Care Workshop organized by AIIMS and ATHI (Association of Transgender Health in India) on 8 June 2024.

Genetics Division

The Division of Genetics was involved in organizing the following events:

- **Indo-US Rare Summit with Indo-US Rare -**The **Indo US Bridging RARE Summit 2024**, held from November 16-18 at the Indian National Science Academy, New Delhi, India
- Under the aegis of the Indian Society of Inborn Errors of Metabolism, A FOUNDATION COURSE ON INBORN ERRORS OF METABOLISM in online mode from 21 December 2024 to 15 March 2025 followed by an offline Capsule course on 19 and 20 March 2025 in Maulana Azad Medical College and Chacha Nehru Bal Chikitsalya, Delhi
- Nieman Pick disease Day celebrations 16 October 2024, AIIMS, New Delhi
- First anniversary of Newborn screening 28 September 2024, AIIMS, New Delhi
- Rare disease day– 22 February 2025, AIIMS, New Delhi

Pediatric Nephrology Division

- An interactive teaching session in a hybrid format on 'Management of thrombotic microangiopathy' was held on the occasion of World Kidney Day on 12 March 2025. The session was attended by 30 postgraduate students, fellows, senior residents, and faculty from medical colleges across Delhi and 100 virtual attendees on Zoom platform. The workshop involved case-based discussions on pediatric and adult cases with thrombotic microangiopathy (TMA), including pregnancy-associated and post-transplantation TMA, by faculty and residents from PGIMER Chandigarh, SGPGI Lucknow and AIIMS, New Delhi.
- An online weekly webinar series, Pediatric Nephrology Core Curriculum: Nephrology Education from a Pediatric Residents Outlook (NEfPRO): Led by the Division faculty as part of activities of the Indian Society of Pediatric Nephrology (ISPN), the online series includes 28 weekly webinars during March-October 2024 and is led by nationwide experts in pediatric nephrology and attended by ~400 postgraduate students in Pediatrics across India.
- The third nationwide quiz on pediatric nephrology for postgraduates in Pediatrics: Led by the Division faculty as part of activities of the ISPN, the quiz was conducted in college, divisional, zonal and national rounds during June-December 2024, and was enabled by enthusiastic participation from 161 medical colleges or institutes, and over a hundred faculty members, nationwide.
- The division co-organized the Annual Conference of the Indian Society of Pediatric Nephrology in December 2024 at The Lalit, New Delhi. More than 400 delegates, including faculty, fellows, postgraduate residents, and allied health professionals from across India, attended the event, which included four parallel pre-conference workshops.

Child Neurology Division

List of Events Organized by the Division

1. Public Health Lecture on Autism Awareness month, Department of Pediatrics, AIIMS, New Delhi, 22 April 24, JLN Auditorium AIIMS, New Delhi
2. Workshop on "Holistic Management of Autism: Current Update", COE Department of Pediatrics & IAN in collaboration with AOCN, 21 to 22 September 2024, S.E.T. Facility, Conference Block, AIIMS

Pediatric Oncology Division

- Departmental symposium Frontiers in Pediatrics: Multi Specialty Symposium 25 January 2025
- Late effects & Survivorship Meeting 3 & 4 August 2024

Pediatric Rheumatology and Clinical Immunology Division

1. Workshops, 18 January 2025, MCB Board Room, AIIMS, New Delhi
2. Master class in Pediatric Rheumatology, 19 January 2025, Dr. Ramalingaswami Board Room, AIIMS, New Delhi

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 364

Madhulika Kabra: 19	**Pankaj Hari: 9**	**Sheffali Gulati: 95**
Rakesh Lodha: 9	**Rachna Seth: 18**	**Ramesh Agarwal: 11**
Vandana Jain: 14	**Aditi Sinha: 14**	**Neerja Gupta: 16**
M Jeeva Sankar: 32	**Kana Ram Jat: 15**	**Jhuma Sankar: 10**
Biswaroop Chakrabarty: 9	**Rajni Sharma: 12**	**Anu Sachdeva: 13**
Prashant Kumar Jauhari: 8	**Narendra Kumar Bagri: 18**	**Ankit Verma: 2**
Menka Yadav: 6	**Deepika Kainth: 7**	**Jitendra Meena: 17**
Rashmi Shukla: 2	**Kajal Jain: 4**	**Yadav Dhaneshwar (M.S.S.O): 4**

Pankaj Hari

1. Urinary tract infection & primary VUR, Nephrology Education from A Pediatric Resident's Outlook (NEfPRO): Webinar Series, 26 July 2024 (Virtual), Delhi
2. Kidney transplantation in children, Nephrology Education from A Pediatric Resident's Outlook (NEfPRO): Webinar Series, 20 September 2024 (Virtual), Delhi
3. Best Practices & Standards Committee, International Pediatric Nephrology Association Council Meeting, 23-24 September 2024, Spain
4. ANCA vasculitis, 36th Annual Conference of the Indian Society of Pediatric Nephrology 2024 (ISPNCON 2024), 8 December 2024, New Delhi
5. Implementation of SRNS and SSNS guidelines in low resource settings – achievements and challenges, 20th International Pediatric Nephrology Association (IPNA) Congress, 19-23 February 2025, Cape Town, South Africa
6. Management of UTI and primary VUR, 20th International Pediatric Nephrology Association (IPNA) Congress, 19-23 February 2025, Cape Town, South Africa
7. Current status of antibiotic prophylaxis in children with VUR, Update on management of primary vesicoureteric reflux 2025, 2nd March 2025, New Delhi
8. ISPN UTI guideline in a nutshell, "Navigating Pediatric UTIs and VUR in rural and urban India: A Workshop for Healthcare Professionals", 8 March 2025 (Virtual), New Delhi
9. Developing evidence based guidelines, Regional Capacity Building in Systematic Reviews in India-SARANSH Workshop, 20 December 2024, AIIMS, New Delhi

Madhulika Kabra

1. Genomic testing in clinical practice: Utility & pitfalls, Invited Talk at Maharishi Dayanand University Rohtak, 24 April 2024, Rohtak
2. Overview of Treatment of Genetic Disorders, DHR workshop organized by NIRRH Mumbai, 27 June 2024, Online
3. Understanding the less explored world of Adult Clinic -Genomics, National Symposium on Genetic Diseases Organized by Rare Disease India Foundation, 13 July 2024, New Delhi
4. Approach to Dysmorphic Child, ICMR Course SGPGI, 31 July 2024, Lucknow
5. Neurodegerative disorders, ICMR course SGPGI, 31 July 2024, Lucknow
6. Moderator for panel: capacity building for rare Disease COEs, SMARTCON 2024, 24 August 2024, New Delhi
7. Genetics of Respiratory Diseases: When to order, what to order, how to interpret? Delhi Respicon Organized by Pediatric Respiratory Society, 25 August 2024, New Delhi
8. Introduction to National rare disease policy, 7th National conference ISIEM -24, 21 September 2024, Jaipur
9. Treatment of Genetic Disorders overview & Current status, Master Class IAP Medical Education Chapter IAP Vijayawada, 2 October 2024, Online

10. Prenatal genetic testing beyond Exome & Microarray, NARCHI Delhi 2024, 4 October 2024, New Delhi
11. Comprehensive Newborn Screening, Perinatal Conference IAP Hadoti Kota, 10 November 2024, Kota
12. Epidemiology of Rare Diseases and Digitization, 2nd Indo US Rare Summit 2024, 17 November 2024, New delhi
13. National policy for Rare Diseases – Challenges & Way forward, ICBD 2024 6th International Conference on Birth Defects, 28 November 2024, Jaipur
14. Public lecture Genes, Genomes & Birth Defects, ICBD 2024 6th International Conference on Birth Defects, 28 November 2024, Jaipur
15. Diagnostic Application of Genetics in Pediatric Office Practice, 1st National Conference of IAP South Delhi, 15 December 2024, New Delhi
16. Expert panelist Workshop on EYE or AI for Dsmorphology, 9th Annual Conference of SIAMG, 5 December 2024, Ahmedabad
17. Recent advances in treatment of Genetic disorders, Certificate course in Essentials of Clinical Genetics IAP Kerala & SIAMG, 10 December 2024, Online
18. Landscape of rare Genodermatosis in India, CME on Rare Dermatological disorder conference Organized by Department of Dermatology & Venereology AIIMS, New Delhi & IADVL, 18 January 2025, New Delhi
19. Birth Defects Prevention & Screening: Strategies for early intervention, RBSK Training Activity, 20 January 2025, Online

Sheffali Gulati

1. Recent Trend in Autism, National Trust, 2 April 24, Online
2. Recent advances in Autism, Department of Education Lady Irwin College (University of Delhi), 3 April 2024, Seth Ram Lal Hall Lady Irwin College DU
3. To be a Guest Speaker Topic "Health Benefits of Music Therapy", IMTA, 7 April 2024, Virtual
4. To be a Coordinator for the Neurofibromatosis conclave, AOCN, 11 April 2024, Indian Habitat Centre
5. As a chief Guest for Shristi Foundation Day, Shristi Institute for Child &Adolescent Mental Health, 13 April 24, DLF Public School, Sahibabad
6. Public Health Lecture – Autism Awareness Month, J.L. N, AIIMS New Delhi, Depatment of Pediatrics, 22 April 2024, New Delhi, India
7. Exploring the unchartered territory of Artificial Intelligence in Child Neurology Conducting a SIG, 18th International Child Neurology Congress (ICNA), 7 May 2024, Cape Town, South Africa
8. Autism Spectrum Disorder- current concepts and conducting the symposium, 18th International Child Neurology Congress (ICNA), 9 May 2024, Cape Town, South Africa
9. Conducting the workshop – Aritficial Intelligence –Artificial/Augmented Intelligence Applications in Education & Research, 18th International Child Neurology Congress (ICNA), 10 May 2024, Cape Town, South Africa
10. Pre Recorded Experiences in Emerging Therapies, Indian Association of Muscular Dystrophy Conclave, 11 May 2024 ?
11. Panel Discussion Key challenges for SMA management SOC for SMA Management, Roche Pharma India, 25 May 2024, Virtual
12. As a Panelist Expectations for transformation in clinical research (Phase I/Early Phase, Cell gene studies/CART), Indian Society for Clinical Research (ISCR), 30 May 2024, CDSCO Office, FDA Bhawan Delhi
13. To be a Keynote Speaker on "Assessment and Early Intervention", Association of Rehabilitation Professionals and Parents, 15 June 2024, Kerala school, Qutub Garh, Sec-8 R.K. Puram, New Delhi
14. "Ketogenic diet in Epilepsy", Sri Ramachandra Institute of Higher Education and Research (SRIHER), 22 June 2024, Dental BASEMENT Au 27 June 2024 ditorium (SRIHER 29 June 2024), Chennai
15. To be an expert to share the Clinical experience of Global Managed Access program with Onasemnogene Abeparvoved and Steer gene therapy., Novartis Healthcare Private Limited, 27 June 2024, Virtual

16. To deliver a talk on "Metabolic Stroke", Indian Stroke Association and Indian Academy of Neurology, 29 June 2024, J W Marriott Hotel, Bengaluru/Virtual
17. Neuromuscular Disorder, Indian Academy of Pediatrics (IAP), 2 July 2024, Virtual
18. Talk on epilepsy in Neurodevelopmental disorder, Indian Epilepsy Society, 6 July 2024, Jaipur
19. To be an expert for the 2nd batch of Training on implementation of revised Disability Assessment Guidelines of MOSJE Session on Specific Learning Disability/Autism Spectrum Disorder/Intellectual Disability/Chronic Neurology conditions, Ministry of Social Justice & Empowerment Department of Persons with Disabilities (DEPwD), Government of India, 18 July 2024, Vallabh Bhai Patel Bhawan, AIIMS, Bhopal, Madhya Pradesh
20. Session "Burden and Determinants of Early Childhood Development Disorders in India", CAPHER-India, 24 July 2024?
21. To attend "Donors FacilitationProgram", ORBO, 2nd August 24, Dr Ramalingaswami Boardroom AIIMS
22. As an expert for the YES journal club, Amrita Institute of Medical Sciences, Faridabad HR, 5 August 24, Virtual
23. Introduction of EEG basics, Department of AIIMS Bhatinda & Association of Child Neurology (AOCN), 9 August 24, Pre recorded
24. Women in Medicine: Pioneers of Change, All India Institute of Medical Sciences Rishikesh, 10 August 2024, Auditorium All India Institute of Medical Sciences Rishikesh
25. To be examiner for Post –Doctoral Fellowship Examination, AIIMS, Jodhpur, AIIMS, Jodhpur, 17 August 2024, AIIMS, Jodhpur
26. "Epilepsy in Children &Neonates", IES, 24 August 2024, Hotel Leela Ambience Shahdara
27. To be a panelist in panel discussion on "Navigating the hurdles: Innovative solutions for rare disease treatment" Deliver a talk on "Gene therapy for SMA", Cure SMA, 24 August 2024, Lemon Tree Convention Center, sec-60, Gurugram
28. Topic: "Autism – Red Flags" Panel discussion: Role of Allied Health in ASD management, World Neurosciences Summit - IV 2024, 25 August 24, Hotel JW Marriott, Atrocity ND
29. Panelist in panel Discussion: Management in Epilepsy patient – A case-based Approach, World Neurosciences Summit - IV 2024, 25 August 2024, Hotel JW Marriott, Atrocity ND
30. Training on Trainers (TOT) "workshop for Action ND follow-up study" **Agenda Review,** BRIC – Translational Health Sciences & Technology Institute, Department of Biotechnology, Govt of India, 29 August 2024, Hotel Udman, Panchshila Park, Delhi

30. AIIMS Modified-INCLEN Diagnostic Tools for Autism Spectrum Disorder (INDT-ASD – Review and Practice-Session-1, BRIC – Translational Health Sciences & Technology Institute, Department of Biotechnology, Govt of India, 29 August 2024, Hotel Udman, Panchshila Park, Delhi

30. AIIMS Modified-INCLEN Diagnostic Tools for Autism Spectrum Disorder (INDT-ASD – Review and Practice-Session-2, BRIC – Translational Health Sciences & Technology Institute, Department of Biotechnology, Govt of India, 29 August 2024, Hotel Udman, Panchshila Park, Delhi

30. AIIMS Modified – INCLEN Diagnostic Tool for Epilepsy (INCLEN- INDT-EPI) – Review and Practice – Session-1, BRIC – Translational Health Sciences & Technology Institute, Department of Biotechnology, Govt of India, 29 August 2024, Hotel Udman, Panchshila Park, Delhi

30. AIIMS Modified – INCLEN Diagnostic Tool for Epilepsy (INCLEN- INDT-EPI) – Review and Practice – Session-2, BRIC – Translational Health Sciences & Technology Institute, Department of Biotechnology, Govt of India, 29 August 2024, Hotel Udman, Panchshila Park, Delhi

30. How to train others for AIIMS modified INCLEN tools, BRIC – Translational Health Sciences & Technology Institute, Department of Biotechnology, Govt of India, 29 August 2024, Hotel Udman, Panchshila Park, Delhi

31. Delivered a talk on "SMA in India: Current situation" Chair a session on "Advancing Multidisciplinary care in SMA: Integrative Approaches and Future Directions", Rare Disease India and Association of Child Neurology India, 30 August 2024, Eros Hotel, Nehru Place, New Delhi
32. Training on implementation of revised disability assessment guidelines Program Outline "Session on Specific Learning Disability/Autism Spectrum Disorder/Intellectual Disability/ Chronic Neurological Conditions",

Ministry of Social Justice & Empowerment Department of Empowerment of Persons with Disabilities (DEPwD), Govt. of India, 5 September 24, HG Khurana Auditorium Ground Floor, Central Library Complex SGPGIMS Lucknow, U.P. (Virtual)

33. World Duchenne Day Keynote Speaker "Symptoms of Muscular Dystrophy can be relieved through regular Physical Therapy", Indian Association of Muscular Dystrophy (IAMD), 7 September 2024, Virtual
34. As a Speaker on Academic Symposium on Empowerment Women with Epilepsy (WWE) "How Epilepsy shapes Child Development: Cognitive and Behavioral Perspectives", Dr Kanha Ram Patel, Medical Advisor (Neurocare), 14 September 2024, Zoom
35. As a Panelist for Zero Project India Conference "Early Childhood interventions benefitting all children", Youth4Jobs Foundation and partnered by The Hans Foundation, 19 September 2024, Hotel Leela Ambience, Gurugram
36. Holistic Management of Autism – Current Updates, S.E.T. Facility, Conference Block, AIIMS, New Delhi – Jointly Organized by COE Department of Pediatrics and IAN with AOCN, 22 September 2024, AIIMS, New Delhi
37. Workshop on Regulatory Pathway for Newer/Repurposed Drugs for Rare Disease, ICMR & CDSCO, 26 September 2024, ICMR Headquarter/ Hybrid
38. As an expert for the 4th batch of Training on implementation of revised Disability, Ministry of Social Justice &Empowerment (DEPwD), 26 September 2024, A.V. Rama Rao Auditorium (IISc), Bengaluru
39. 23rd Annual Conference of Academy of Pediatric Neurology- Neuropedicon 24 Talk on "Updates of Duchenne Muscular Dystrophy", Maharashtra Academy of Pediatric Neurology, 28 September 2024, Tej Cidade de GOA
40. 2nd AOCNA Education symposium As a Moderator "Neurometabolic, Ketogenic Diet & stroke" Deliver a talk "autism spectrum disorder: Where we stand today?", Asian Oceanian Child Neurology Association (AOCNA), 29 September 2024, Virtual
41. To deliver a talk on Symposium on Childhood Headache "Psychogenic headache", Sir Ganga Ram Hospital, 11 October 2024, Gangaram Auditorium
42. "Management of Epilepsy with Cerebral Palsy", Indian Academy of Cerebral Palsy, 14 October 2024, Virtual
43. As a speaker "Pediatric neurological conditions: How to handle" As a Panelist "Multidisciplinary approach in management of chronic neurological disorders", 8th CME of Delhi State chapter of IAPC, 15 October 2024, Dr Ramalingaswami Board Room
44. As a speaker "Spinal Muscular Atrophy (SMA) shift in our perspective toward the disease landscape", IANCON 24 31st Annual Conference of the Indian Academy of Neurology, 18 October 2024, Hotel Novotel, Visakhapatnam, Andhra Pradesh
45. Topic: "Recent Advances In the Management of SMA & DMD", North Zone PEDICON & HARCON 2024, 9 November 2024, Vivanta Taj, Suraj Kund, Faridabad
46. Pre Recorded "Autism Red Flags" Sent to IAP Hadoti Society Kota, Indian Academy of Pediatrics, HadotiSociety, Kota, 10 November 2024,
47. Session on Specific Learning Disabilities, Autism Spectrum Disorder, Intellectual Disability, Chronic Neurological Conditions, Ministry on Social, Justice & Empowerment of Persons with Disabilities (DEPwD), GOI, 13 November 2024, Auditorium Guwahati Medical College Assam (Virtual)
48. Deliver a talk on "Genetics end Epigenetics of ASD", National Institute of Mental Health and Neuro Sciences (NIMHANS), 14 November 2024, NIMHANS Bengaluru
49. Chair a session on Advancing rare diseases: Lessons and case studies from neuromuscular disorders, Indo US Bridging RARE, 18 November 2024, Indian National Science Academy (INSA) New Delhi
50. To attend the MoU signing ceremony AIIMS and University College London (UCL), Research Section AIIMS New Delhi, 21 November 2024, Dr Ramalingaswami Board room
51. Roundtable discussion on private sector Engagement in inducive Early Childhood Development, Healthcare, Lifesciences and Public Health, 22 November 2024, Tamarind Hall, IHC Lodhi Road, New Delhi
52. To attend The Hans Foundation's 15th Year Anniversary Celebration!, The Hans Foundation, 23 November 2024, Hanslok Ashram, B 18, Bhati Mines Road, Mehrauli New Delhi

53. Class on Diagnostic Tools for Assessment for Autism: INCLEN ISAA, NIPCCD, 25 November 2024, NIPCCD New Delhi
54. Subject Expert for the Selection of Faculty in the specialty of Pediatrics at AIIMS, Vijayapura, Jammu, AIIMS, Vijayapura Jammu, 27 November 2024, Virtual
55. Conduct training on GLAD for Enhanced and effective implementation of disability guidelines of Govt. on India in Daman and Diu, ChangeInkk Foundation, 28 November 2024, Virtual
56. Chair a session on "Diagnostic Tools for Assessment for Autism: INCLEN ISAA", NIPCCD, 29 November 2024, NIPCCD New Delhi
57. How to Present a case of neurodegenerative disease, Resident Oriented Teaching in Pediatric Neurology (ROTIP), 1 December 2024, Hotel Metropolitan, Bangla Sahib Marg
58. As a panelist on "Opportunities and challenges in creating patient-centric hospitals in India", India Summit Healthcare Summit, 3 December 2024, Embassy of Sweden, New Delhi
59. As a panelist on "Making Indian Health System Future Ready", Health Initiative, Observer Research Foundation, 5 December 2024, Embassy of Sweden, New Delhi
60. Co-organizers 21st NBRC Foundation Day Symposium, NBRC, 13-15 December 2024, NBRC Manesar
61. As a Panelist "autism spectrum disorder", NBRC, 13 December 2024, NBRC Manesar
62. Talk on "autism spectrum disorder and Epilepsy (ASD-E)", NBRC, 14 December 2024, NBRC Manesar
63. Chair a session on "Autism Genetics, Epigenetics and neuro-immune axis", NBRC, 15 December 2024, NBRC Manesar
64. As a panelist for "Need, Challenges, and Public Perception of OTC Drugs and Responsible Selfcare", Brainstorming on Ecosystem for Over the Counter (OTC) Drugs, 17 December 2024, India International Centre, Multipurpose Hall, New Delhi

64. As a panelist for "Need, Challenges, and Public Perception of OTC Drugs and Responsible Selfcare", Professor YK Gupta President AIIMS Jammu, 17 December 2024, India International Centre, Multipurpose Hall, New Delhi

64. As a panelist for "Need, Challenges, and Public Perception of OTC Drugs and Responsible Selfcare", Mr. A. Pradhan Former Joint Drugs Controller (India), CDSCO, MHFW, GOI, 17 December 2024, India International Centre, Multipurpose Hall, New Delhi

65. As a coordinator on "Newer Antiseizure Medications in Pediatric Neurology: Current Updates", AOCN, 18 December 2024, The Park Hotel 15, Sansad Marg, Connaught Place, New Delhi
66. Expert for the 6th batch of Training on implementation of revised Disability Assessment Guidelines "Session on Specific Learning Disabilities, Autism Spectrum Disorder, Intellectual Disability, Chronic Neurological Conditions", MOSJE, 19 December 2024, Prekshagruh Auditorium, the Entrepreneurship Development Institute of India, Gandhinagar, Gujrat (Virtual)
67. IEEE iCON-BCIHT 2024 As a speaker "Role of technology in neurology disorder", C-DAC, 19 December 2024, CDAC Thiruvananthapuram/ Kerla/Virtual
68. Diet Therapies in Child Neurology- A Pediatric Neurologist Perspective, Indian Academy of Parenteral and Enteral Nutrition Pediatric Nutrition (IAPEN) India Association, 20 December 2024 ?
69. To attend the foundation Day Lecture of the National Brain Research Center, NBRC, 20 December 2024, NBRC
70. Chair a session for on CREST Neuro Conclave 2025 Session "HEADACHE", CREST Neuro-Conclave, 12 January 2025?
71. STREAM team and Dissemination meeting, 21 & 22 January 2025, The Park New Delhi
72. 7th batch of Training on implementation of revised Disability Assessment Guidelines "Session on Specific Learning Disabilities, Autism Spectrum Disorder, Intellectual Disability, Chronic Neurological Conditions", Ministry of Social Justice & Empowerment Department of Empowerment of Persons with Disabilities (DEPwD), 23 January 2025, Virtual Principal PL Anand Auditorium in Panjab University Sec-14 Chandigarh
73. To Attend 4th annual chapter of Neuropedicon-DXB conference, Neuropedicon – DXB, 24-25 January 2025, Anantara Downtown Dubai, UAE

74. 4th AIIMS Annual Research Day, AIIMS, 30 January 2025, JL Auditorium, AIIMS
75. As a speaker Topic “autism spectrum disorders: Current Update”, AIIMS- NAMS Navigate CME Program, 7 February 2025, Zoom
76. To be a Chairperson & Speaker Session in “Pre-congress workshop, Dietary therapies: Indications, practical approaches and outcomes” Topic: “Outcomes and Evidence for diet therapy in epilepsy”, ILAE IBE epilepsy congress, 20 February 2025, Virtual
77. Workshop on Rare Disease As a speaker “Standard treatment protocols on Neuromuscular disorder”, Division of Genetics, Department of Pediatrics AIIMS, Department of Medical Genetics MAMC college, 22 February 2025, Seminar room, 4th floor Surgical Block AIIMS New Delhi
78. Delivered a talk on “Latest in Autism Research”, Academy of Pediatric Neurology, 23 February 2025, Holiday Inn Jaipur City
79. To participate in the National Consultation for implementing the National Biomonitoring Program for Chemical Toxicants of MoH&FW, Govt of India, Ministry of Health & Family Welfare Government of India, 24 February 2025, National Centre for Disease Control (NCDC) New Delhi
80. To be an expert for the Training on implementation of revised Disability Assessment Guidelines, Ministry of Social Justice & Empowerment of Empowerment of Persons with Disabilities (DEPwD), 6 March 2025, Virtual
81. To present “Yoga in Autism”, Centre for Integrative Medicine and Research, AIIMS, 7 March 2025?
82. Subject expert for Faculty selection interviews (Pediatrics), AIIMS Deoghar, 8 March 2025, Virtual
83. Panel discussionTopic: “Role of Academies in Promoting Women in STEM”, Indian National Science Academy (INSA), 8 March 2025, INSA Auditorium, New Delhi
84. To participate in International Women’s Day celebration, Government of India MOH&FW, 8 March 2025, Vigyan Bhawan, Delhi
85. As a Panelist in the session “Rare Diseases: Navigating New Challenges in Healthcare” As a speaker “Understanding burden of disease: role of patient registries in Rare Diseases”, Patient Academy for Innovation and Research, Course Advisory Committee Member, NIHR, 8 March 2025, Mantra at the Park, 15, Parliament Street, New Delhi
86. AIM 2025 Conference Speaker Topic in session 1 “Yoga in Autism”, Center for Integrative Medicine and Research AIIMS New Delhi, 8 March 2025?
87. To be a panelist in panel discussion on “Navigating treatment choices for SMA” Delivered a talk on “Comprehensive overview of SMA and its evolving treatment landscape”, Association of Child Neurology (AOCN), 11 March 2025, Hotel Shangri La, Delhi
88. Panel discussion on “Challenges and concerns in the management of children with neuromuscular diseases”, Pediatric Neurology Subsection of Indian Academy of Neurology, 15 March 2025, Hotel Hyatt Regency
89. Talk on “Recent advances in Neuromuscular disorders“, Sir Ganga Ram Hospital Delhi, 20 March 2025, Virtual
90. Delivered a talk on “Therapeutics for SMA and their accessibility in India”, Tata Institute for Genetics and Society, CureSMA, IndiaInstitute of Technology Kanpur and National Institute for Biological Sciences, 21st March 25, Endoderm, Bellary Road, Bengaluru
91. Recorded presentationTopic: Genetic Contributors in Young Stroke”, Indian National Stroke Conference 2025, 22 March 2025?
92. To be an expert for the Training on implementation of revised Disability Assessment Guidelines, Ministry of Social Justice & Empowerment of Empowerment of Persons with Disabilities (DEPwD), 25 March 2025, Virtual
93. Delivered a talk on “Indigenous Development of Medical Devices- A Pediatric Neurologist’s”, Department of NMR, AIIMS New Delhi, 25 March 2025, Dr Ramalingaswami Board Room AIIMS
94. Delivered a talk on Training Workshop on “Parent –Mediated Intervention for Children with Autism” Topic: “Overview of Autism”, Department of Psychiatry, AIIMS New Delhi, 27 March 2025, Virtual
95. Talk on “Overview of pediatric stroke, its implications, and the importance of specialized rehabilitation”, IFNRCON 2025, 28 March 2025, Virtual

Rakesh Lodha

1. Panelist, "Bringing Communities Together in Battle Against Dengue", 31 May 2024, India International Center, New Delhi
2. TB with HIV: recent advances, DELHI RESPICON 2024, 25 August 2024, North DMC Medical College & Hindu Rao Hospital.
3. Expert, PILOT (Pediatric Intensive Care Long Case and OSCE Training) Monthly Webinar Program, 21 August 2024, Online Webinar
4. Roundtable Discussion Meeting on "Opportunities and Challenges – Clinical Trial Network NBM-BIRAC", Global Bio-India (GBI) 2024, 13 September 2024, Pragati Maidan, New Delhi
5. External Expert, Meeting on development of short capsule/module on paediatric Emergency and Critical Care, 14-15 October 2024, New Delhi
6. Designing Interventional Studies Plenary session & Group Work, "Workshop on Research Methodology & Scientific Paper Writing", 15th -17 November 2024, Collaboration with the National Institute of Health & Family Welfare, Delhi
7. Roundtable discussion on "Pediatric Critical Care Education, Training, and Research Forum", 26th National Conference of Pediatric Intensive Care Chapter of India (PediCritiCon 2024), 13–15 December 2024, Chennai, India
8. Panelist for "Super refractory status epilepticus", 26th National Conference of Pediatric Intensive Care Chapter of India (PediCritiCon 2024), 13– 15th December 2024, Chennai, Indiass
9. Expert for Research protocol presentation, 26th National Conference of Pediatric Intensive Care Chapter of India (PediCritiCon 2024), 13–15 December 2024, Chennai, India

Rachna Seth

1. Delivering evidence-based care with resource constraints, 'Evidence Based Management of Cancers in India: EBM-2025', 28 February to 2 March 2025, Tata Memorial Centre, Mumbai
2. Developing modules in practical procedures in pediatric oncology, WHO- SEARO-St Jude meeting, 14 March 2025, Virtual (St Jude team, WHO team, SEARO team)
3. C2S study, Pediatric Cancer Survivorship Symposium, 21 February 2025, AIIMS, New Delhi SET facility
4. Update on C2S (survivorship) study, International Childhood Cancer Day, 14 February 2025, 6:20 pm, Virtual SIOP-IAP PHO chapter
5. Release of new slide set of NTP-PPO, International Childhood Cancer Day, 14 February 2025.7 45pm, Virtual SIOP-IAP PHO chapter
6. INPHOG- LE-16-01 (Results of phase 1 and challenges so far), Pediatric data and registry meeting, 31 January–1 February 2025, Cancer Institute (W.I.A), Chennai
7. Neurocognitive Impact of Childhood Cancer, National Conference on Psychotherapeutic assessments and interventions in Psycho-oncology, 3-5 January 2025, AIIMS, New Delhi
8. Childhood cancer services (management of retinoblastoma) in AIIMS, International society of Ocular Oncology GOA(ISOO)2024, 3-7 December 2024, ISOO, Goa (virtual session 3 June 2024)
9. Treatment outcomes and late effects in Retinoblastoma Survivors: Importance of Survivor Clinics, International society of Ocular Oncology GOA(ISOO)2024, 3–7 December 2024, ISOO, Goa
10. Clinical, Research & patient care contributions, National Academy of Medical Sciences (NAMSCON) 2024, 23-24 November 2024, Jodhpur AIIMS
11. Panelists in Radiation related mucositis in case-based panel discussion, CME on Nutritional Rehabilitation in Pediatric Cancer & BMT, 18 November 2024, PGICH, Noida
12. Chair of the LCH session, Histiocyte Society will be holding our 40th Annual Meeting in Goa, 6-9 November 2024, Histiocyte Society in Goa
13. PUO & hepatosplenomealy-rapid fire moderator, North zone Pedicon & Harcon 2024, 3 November 2024, Sir ganga Ram hospital, New Delhi

14. Panelists for session on acute leukemia toxicity (18 October 24), ISMPO-CON 2024, 18-20 October 2024, India Habitat Centre, New Delhi
15. Chairperson for ALL session; Managing B-ALL, the way forward, ISMPO-CON 2024, 18-20 October 2024, India Habitat Centre, New Delhi
16. The INPHOG childhood cancer survivorship study (C2S study), INPHOG Survivorship Late effect Submitting Conference, 3–4 August 2024, Conference Hall AIIMS, New Delhi
17. Panelist for the session on "Case based panel discussion on relapsed AML: How should we treat?", The Session at Mid Term PHO CME 2024, 13-14 July 2024, National Cancer Institute, Nagpur, Maharshtra
18. Introduction to pediatric cancer and principles of care, (NTP-PPO Workshop), 21 May 2024, Noida Super Specialty Conference

Ramesh Agarwal

1. Panel discussion on "TOWARDS ZERO PRETERM BIRTHS", The Federation of Obstetrics and Gynecology Societies of India (FOGSI) & the Department of Obstetrics and Gynecology at Bharti Vidyapeeth Medical College, 26-27 October 2024, Hotel Sheraton Grand, Pune
2. Case-Challenges in term HIE, Recent advances in Pediatric Practice, Surya Hospitals, 16 February 2025, Jaipur, Rajasthan
3. Diagnosis of late-onset Sepsis, Workshop on Neonatal Sepsis, PGIMER, 8 & 9 March 2025, Chandigarh
4. Sepsis in Neonates - Diagnosis, Management & Prevention, Neonatal Sepsis for DH Doctors, 19 Dec'24, All India
5. Adequacy of Ventilation, SGRH, 5 October 2024, New Delhi
6. Preventing Antimicrobial Resistance, IPC AMR, December 2024, New Delhi
7. Noteworthy Research, NZNeocon, 27-28 July 2024, New Delhi
8. Infection prevention and control in Newborn Care Units, Panel on IPC, R&R Hospital, 17 November 2024, New Delhi
9. Patent Ductus Arteriosus, LHMC, Delhi, 28 July 2024, LHMC, New Delhi
10. Ethics in Systematic Review - Meta Analysis, Systematic Review Workshop, 18-21 December 2024, New Delhi
11. Essential Newborn Care Course, Essential Newborn Course for doctors and nurses, 2 August 2024, Timor Liste

Vandana Jain

1. Congenital hypothyroidism, World thyroid day webinar organized by Nepal pediatric Endocrine Society, 25 May 2024, Online
2. Newer modalities for management of obesity, 8th National Symposium on Growth, Pediatric and Adolescent Endocrinology, 9 June 2024, Delhi
3. Idiopathic short stature in children, 13th Annual Scientific Meeting of the Integrated Diabetes & Endocrine Academy (IDEA), 6 July 2024, Kolkata
4. Case Scenarios in Disorders of Sex Development, 'Pediatric Endocrine Clinics 2024' by Department of Endocrinology, SGPGI, Lucknow, 21 September 2024, Lucknow
5. Neonatal diabetes Mellitus, 'Pediatric Endocrine Clinics 2024' by Department of Endocrinology, SGPGI, Lucknow, 22 September 2024, Lucknow
6. Hypothyroidism in Children and interpretation of thyroid function tests, Endocrine Disorders in Children: A case-based approach workshop, 23 September 2024, Delhi
7. Dynamic Function Testing in pediatric endocrine disorders, 25th Asia Pacific Pediatric Endocrine Society (APPES) Fellows School, 29 September 2024, Delhi
8. Disorders of Sex Development: Etiology and Approach, APPES Fellows School, 1 October 2024, Delhi
9. Early versus delayed genitoplasty in Disorders of Sex Development, First Global Pediatric Endocrinology and Diabetes (GPED) annual meeting 2024, 27 October 2024, Online

10. Non type 1 diabetes in children and adolescents, Consensus Meeting on Atypical Lean Diabetes, 9 January 2025, Vellore
11. Genetics of neonatal diabetes, Vellore Endocrinology International meeting, 10 January 2025, Vellore
12. Growth Hormone therapy, Care for rare: Workshop on Rare diseases organized by AIIMS and MAMC, Delhi, 22 February 2025, Delhi
13. Acquired hypothyroidism in Children, Indian Society for Pediatric and Adolescent Endocrinology (ISPAE) Pediatric Endocrinology for Postgraduates (PEP), 26 February 2025, Online
14. Monogenic diabetes of infancy, ISPAE Academic and Clinical Education Series (ACES) program, 22 March 2025, Online

Aditi Sinha

1. How does inherited kidney tubulopathy disorder present to a pediatrician, Young Kidneys & Dr. Georgi Abraham 2nd Annual oration, 21 July 2024, Chennai
2. Approach to refractory rickets, 6th Annual Pediatric Nephrology Conclave (APNC), 27 July 2024, Bhopal
3. Alport syndrome: Experience from India, Shining a light on Alport Syndrome: A one-day workshop for Asia, 20 August 2024, Singapore
4. Early diagnostic parameter of AKI: Diagnostic recommendation for non-nephrologists, NEPHKIDS 2024 and 15th Annual Dr BR Nammalwar Oration, 15 September 2024, Chennai
5. Areas to explore in pediatric Nephrology: A guide to the young researchers, NEPHKIDS 2024 and 15th Annual Dr. B.R. Nammalwar Oration, 15 September 2024, Chennai
6. Diagnostic pitfalls and problem-solving: Renal tubular acidosis, CRESCENDO 2024: The Annual Conference of the Endocrine Society of Bengal, 21 September 2024, Kolkata
7. Recurrent FSGS after transplantation, 34th Annual Conference of the Indian Society of Organ Transplantation (ISOT 2024), 18 October 2024, Ahmedabad
8. Genetics of steroid sensitive and resistant nephrotic syndrome, 36th Annual Conference of the Indian Society of Pediatric Nephrology, 8 December 2024, New Delhi
9. Viral infections following transplantation, 36th Annual Conference of the Indian Society of Pediatric Nephrology, 8 December 2024, New Delhi
10. Newer detections techniques and treatments in minimal change disease and FSGS, Seminar on Glomerular disease at Muljibhai Patel Urological Hospital (MPUH), Nadiad, Gujarat, 4 January 2025, Nadiad
11. Factor H autoantibodies in aHUS, ISN World Congress of Nephrology 2025, 7 February 2025, New Delhi
12. A case of frequent relapses or steroid dependence, 20th Congress of the International Pediatric Nephrology Association (IPNA 2025), 20 February 2025, Cape Town
13. Inherited and acquired factor H disorders, 20th Congress of the International Pediatric Nephrology Association (IPNA 2025), 22 February 2025, Cape Town
14. Vaccination in children pre- and post-transplant: Clinical experience and protocols, 3rd Pediatric renal transplant conference 2025, 22 March 2025 (Virtual), Vellore

Neerja Gupta

1. Genetics and genomics of Asthma, AIIMS Pediatric Pulmonology and Intensive care Course Module 13: Asthma, 13 April 2024, Delhi
2. Case vignettes in Genetics, Chat show, Dr Piyush Gupta, 28 April 2024, Virtual
3. OSCE in Genetics, IAP Medical Education Chapter, 22 May 2024, Virtual
4. Panel discussion on MPS, MPS day, 15 May 2024, Virtual
5. Clinical and radiological clues to skeletal dysplasia in adults, 3rd National Symposium on Genetic Diseases "RDIFCON 2024 Theme "Adult onset genetic disorders", 13 July 2024, New Delhi
6. Acute metabolic disorders- Illustrative cases, ICMR Course SGPGI, 30 July 2024, Lucknow

7. Skin as a clue to genetic disorders, ICMR course SGPGI, 30 July 2024, Lucknow
8. Moderated a Panel on Genetic Insights into SMA, SmartCon 2024 Clinical Care symposium, 24 August 2024, Gurgaon
9. Nieman Pick disease- Indian scenario, 7th National conference ISIEM -24, 21 September 2024, Jaipur (Virtual)
10. The Clinical And Genetic Spectrum Of Sclerosing Bone Dysplasias Experience From A Tertiary Care Center In India, 16th International Skeletal dysplasia society meeting, 20 September 2024, Madrid, Spain
11. Interpretation of exome reports by gastroenetrologists- Dilemmas and pitfalls, ISPAGHAN, 6 October 2024, Delhi
12. Approach to a dysmorphic child, Essentials of Clinical Genetics by IAP Kerala, 15 October 2024, Virtual
13. Understanding Birth Defects through Genomics, 9th Annual Conference of Society For Indian academy of medical Genetics, 7 December 2024, Ahmedabad, Gujarat
14. Methyl malonic acidemia and propionic acidemia, A FOUNDATION COURSE ON INBORN ERRORS OF METABOLISM by Indian society of inborn errors of metabolism, 1 February 2025, Virtual
15. Minimally invasive autopsy, Fetal autopsy -a critical tool in Perinatal genetics by FOGSI, 3 January 2025, Virtual
16. Standard treatment protocols on lysosomal storage disorders and small molecules, Rare Disease Awareness Day, 22 February 2025, Delhi

M Jeeva Sankar

1. Moderator of the 'Round Table Discussion: Health system challenges and solutions to improve implementation of evidence-based maternal-newborn interventions', Sankalp – Multi-stakeholder Coalition Meeting, ICMR, 7 May 2024, New Delhi
2. Member of the Scientific Advisory Committee (SAC), Scientific Advisory Committee Meeting of ICMR-RMRC, Bhubaneswar, 7 May 2024, Bhubaneswar
3. Variables: relationship & measurement, Workshop on Foundations of Research and Biostatistics, 17-18 May 2024, HIMS, Dehradun
4. Study designs, Workshop on Foundations of Research and Biostatistics, 17-18 May 2024, HIMS, Dehradun
5. Sample size determination, Workshop on Foundations of Research and Biostatistics, 17-18 May 2024, HIMS, Dehradun
6. Concept of Confidence interval and hypothesis testing, Workshop on Foundations of Research and Biostatistics, 17-18 May 2024, HIMS, Dehradun
7. Member, Guideline Methodology Group, Evidence-based Guidelines for the use of Stem Cell Therapy, Drafting of Recommendations on Stem Cell Therapy in Cardilogical Conditions, 10 July 2024, ICMR, Delhi
8. Antibiotic stewardship and formulating the NICU antibiotic policy: A Stepwise approach, North Zone and Delhi Neocon 2024, 14 July 2024, Jaipur Golden Hospital, Delhi
9. Hybrid modes of ventilation, Advanced Ventilation Workshop, National Neonatal Forum (NNF), Telangana., 20 & 21 July 2024, Niloufer Hospital, Hyderabad
10. Writing the Methodology for a Research Grant, Workshop on "Grant Writing" for AIIMS Faculty, 31 July 2024, CRU, AIIMS, New Delhi
11. Member, Guideline Methodology Group, Evidence-based Guidelines for the use of Stem Cell Therapy, Drafting of Recommendations on Stem Cell Therapy in Pediatrics, 20 August 2024, ICMR, Delhi
12. Newer modes of ventilation, Basic Mechanical Ventilation Workshop, Uttarakhand Neonatology Society, 28 September 2024, AIIMS, Rishikesh
13. Clinical Trials Methodology: Randomisation Procedure, Allocation treatment, Blinding and Masking, Workshop on 'Protocol Development for Investigator-Initiated Clinical Trials', 30 Sepetember, 2024, CRU, AIIMS, New Delhi
14. Advancements in Respiratory Care of the newborn, 10th Annual Conference of the Indian Association of Neonatal Nurses, 5 October 2024, NIHFW, New Delhi

15. Member, Guideline Methodology Group, Evidence-based Guidelines for the use of Stem Cell Therapy, Drafting of Recommendations on Stem Cell Therapy in Pulmonology & Endocrinology, 25 October 2024, ICMR, Delhi
16. Case-control study, Indian Society of Gastroenterology - Young Clinicians Program (YCP), 26-27 October 2024, Chennai
17. Systematic review and meta-analysis, Indian Society of Gastroenterology - Young Clinicians Program (YCP), 26-27 October 2024, Chennai
18. Sample size calculation, Indian Society of Gastroenterology - Young Clinicians Program (YCP), 26th to 27 October 2024, Chennai
19. Principles of oxygenation and carbon-di-oxide elimination, National Neonatology Forum (NNF) NeoVenture program, 5 November 2024, Online
20. Clinical trial (Parallel/Cross over; Superiority, Equivalence, Non-Inferiority) – Conduct, utility & interpretation, PG Course on Research Methodology, Writing and Communication, 13 November 2024, AIIMS, New Delhi
21. Member, Technical Advisory Group of ACTION-III trial by WHO, Geneva, Review of the recruitment update of the ACTION-III trial on antenatal steroids in pregnant women, 13 November 2024, Online (WHO Geneva)
22. Randomized controlled trials, Research Methodology Workshop, NEOCON 2024 National Neonatology Forum, 4-5 December 2024, Chennai
23. Systematic reviews, Research Methodology Workshop, NEOCON 2024 National Neonatology Forum, 4-5 December 2024, Chennai
24. Member, WHO Guideline Development Group (GDG), Review of evidence for a new WHO recommendation on 'Screening programmes for the prevention of Group B Streptococcus (GBS) neonatal infections', 5-6 December 2024, Online (WHO Geneva)
25. Expert Reviewer, Call for Proposals on 'Diagnosis of Neonatal Sepsis', CARB-X R2 Diagnostics NNS Project Narrative Scoring Call, 18 December 2024, Online (Boston University)
26. Assessing the risk of bias, Regional Capacity Building in Systematic Reviews in India-SARANSH Workshop, 20 December 2024, AIIMS, New Delhi
27. Patient triggered ventilation, Neonatal Ventilation Workshop, Government Medical College, Chhatrapati Sambhaji Nagar, 30 January-1 February 2025, Chhatrapati Sambhaji Nagar (Aurangabad)
28. Best clinical practices in the management of neonatal sepsis, Neonatal Ventilation Workshop, Government Medical College, Chhatrapati Sambhaji Nagar, 30 January-1 of February 2025, Chhatrapati Sambhaji Nagar (Aurangabad)
29. Neonatal ventilation including high frequency ventilation (HFO) and ECMO, Pediatric Surgery Update 2025, 6 February 2025, Online
30. Randomized controlled trials, Research Methodology workshop, International Conference on Advances in Integrative Medicine, 7 March 2025, New Delhi
31. Antibiotic treatment in neonatal sepsis, Workshop on Neonatal Sepsis, 8th & 9th March 2025, PGIMER, Chandigarh
32. Pioneering Research in Neonatology, Neocore 2025, Sri Ramachandra Medical College and Research Institute, 28 March 2025, Chennai

Jhuma Sankar

1. Genomics in PICU, PEDICRITICON 2024, 15th December 2024, Recorded talk, Chennai, India.
2. Innovative ultrasound technique in endotracheal intubation, US Ped continuing education, 7 December 2024, Virtual, Mexico, USA
3. Sepsis patient profiles- Phenotypes and mortality., The rising Challenge of sepsis and the role of IgM, 2 December 2024, Virtual, Germany
4. Unmet need in sepsis diagnosis and therapy, 2024, World Sepsis Conference spotlight, 23 April 2024, Virtual, Geneva
5. Fluids in Septic shock, ANZICCS 2024, 10th to 12th April 2024, Brisbane Convention and Exhibition Centre, Brisbane, Australia

6. Epidemiology and outcomes of Sepsis in India, ANZICCS 2024, 10-12 April 2024, Brisbane Convention and Exhibition Centre, Brisbane, Australia
7. Vitamin C as adjunctive therapy in septic shock, Guest lecture, Queensland University, Brisbane, 9 April 2024, Queensland Children's Hospital, Brisbane, Australia
8. High Frequency ventilation, Basic and Advances in Mechanical Ventilation, 17-18 August 2024, SET facility, Convergence block, AIIMS, New Delhi
9. High Frequency Oscillator ventilation, Pediatric Respiratory Critical care reviews, 19 September 2024, Virtiual, IAP Intensive Care chapter, India
10. Prevention of Health care associated infections; Bundles, Nursing module AIIMS, 26 November 2024, SET facility, Convergence block, AIIMS, New Delhi

Kana Ram Jat

1. Allergic Bronchopulmonary Aspergillosis (ABPA), AIIMS Pediatric Pulmonology and Intensive Care Course: Module 14: Asthma, 13-14 April 2024, New Delhi
2. Post-infectious bronchiolitis obliterans - Case based learning, Midterm RESPICON 2024, 22-23 June 2024, Pune
3. Panel discussion: Recurrent lower respiratory tract infection, Back to Basics 2024, 11 August 2024, New Delhi
4. NIV and home ventilation, Workshop on Basic and Advanced Mechanical Ventilation: Individualized Therapy, 17-18 August 2024, New Delhi
5. PCD: challenges in diagnosis, DELHI RESPICON 2024, 25 August 2023, New Delhi
6. Asthma in Children above 5 Years-Part 2, Asthma Training module, 31 August 2024, New Delhi
7. What is CF, how to make diagnosis? Cystic Fibrosis Day Celebration, 29 September 2024, New Delhi
8. Difficult to treat asthma, Pediatric, Conference of North India, 21-22 September 2024, New Delhi
9. Cystic fibrosis: are we still missing, PulmoPedia-JGH, 8 December 2024, New Delhi
10. Diagnostic accuracy of portable hand-held nasal nitric oxide device for diagnosis of Primary Ciliary Dyskinesia, Oman Respiratory Society, Conference & 9th Asian Pediatric Pulmonology Society, 14-15 December 2024, Muscat, Oman (Virtual)
11. Long term management of children with asthma, Asthma Training module, 22 December 2024, New Delhi
12. Asthma in children ≥12 years, Asthma Training module, 22 December 2024, New Delhi
13. Suppurative Lung Disease workup "hit the bulls eye", 3rd Pediatric Pulmonology Update, 9 March 2025, Jodhpur
14. Integrative Approach to Pediatric Bronchial Asthma, Advances in Integrative Medicine, 7-8 March 2025, New Delhi
15. Recognizing and Managing Vaccine-Related Adverse Events, Innovate, Educate, Immunize: Nurses at the Forefront, 17 March 2025, New Delhi

Biswaroop Chakrabarty

1. Delivered a talk on "Pediatric Onset Multiple Sclerosis", Delhi Pediatric Neurology Meeting, New Delhi, 15 February 2025, New Delhi
2. Delivered a talk on "Pediatric Sleep Disorders: an overview", FLICNA WEBINAR as an Expert Faculty, 18 January 2025, Virtual
3. Delivered a talk on "Acute Flaccid Paralysis", ROTIP Program as a faculty in New Delhi, 1 December 2024, New Delhi
4. Delievered a talk on "Epilepsy Syndromes", Apollo Hospital CME on Current Perspectives in Pediatrics as a panelist, 17 November 2024, Apollo Hospital
5. Delivered a talk on"Emerging therapies in Pediatric MS", ICTRIMS Meeting, 14 November 2024, Chandigarh
6. Delivered a talk on "Pediatric Demyelinating Disorders", IANCON, 18 October 2024, Vishakhapatnam
7. Delivered a talk on "Newer Treatment Options", Childhood Headache Symposium, 11 October 24, Sir Gangaram Hospital in New Delhi

8. Panelist for Autism awareness Public Lecture, Autism PHL, 18 April 2024, New Delhi, India
9. Panelist for Neurofibromatosis enclave, AOCN, India., 11 April 2024, New Delhi, India

Rajni Sharma

1. Talk on "Pediatric Thyroid Cancer", Department of Surgical Disciplines, AIIMS, New Delhi and Delhi Thyroid Club, 6 April 2024, New Delhi
2. Moderator for "Diabetes Care in School", IDEAL BEST (Basic Diabetes Education Program for Nurses, paramedical staff and patients) by Indian Society for Pediatric and Adolescent Endocrinology, 30 April 2025, Online
3. Moderator for session on "Endocrine care of transgender individuals", Workshop on Gender Affirmative Care by AIIMS in collaboration with ATHI (Association of transgender health in India), 8 June 2024, New Delhi
4. Drug Induced and post-transplant Diabetes, Pediatric Onco-Endocrinology Conference organized by Indian Academy of Pediatrics (Chennai chapter) and Apollo Children's Hospital, Chennai, 3 July 2024, Chennai
5. Lecture on "Congenital Adrenal Hyperplasia in Childhood", Pediatric Endocrinology for Postgraduates Program by Indian Society for Pediatric and Adolescent Endocrinology, 31 July 2024, Online
6. QUIZ master for Pediatric Endocrinology quiz for DM Endocrinology students, Centres of Chronic Disease Control (CDC) Masterclass in Endocrinology, 24 August 2024, Online
7. Moderator for "Diabetes Care in School", BEST (Basic Diabetes Education Program for nurses, paramedical staff and patients) by Indian Society for Pediatric and Adolescent Endocrinology, 3 September 2024, Online
8. Disorders of calcium metabolism: hypocalcemia, Pediatric Conference of North India preconference workshop: AIIMS Endocrinology CME for postgraduates, 24 September 2024, New Delhi
9. Moderator of free paper session on "Obesity and metabolic syndrome", Asia Pacific Pediatric Endocrinology Society and Indian Society for Pediatric and Adolescent Endocrinology Joint Conference, 3 October 2025, Dwarka, Delhi
10. Panelist on discussion on "Myths and facts about vitamin D", CME on "Current Perspectives in Pediatrics" Apollo Annual Day CME for Pediatricians, 17 November 2024, New Delhi
11. Talk on "Biochemical vs. Genetic Testing for diagnosis of Disorders of Sex Development", International Pediatric Endocrinology and Diabetes Symposium, 2 February 2025, Bangalore
12. Moderator for "Diabetes Care in School", BEST (Basic Diabetes Education Program for nurses, paramedical staff and patients) by Indian Society for Pediatric and Adolescent Endocrinology, 18 March 2025, Online

Anu Sachdeva

1. Online and e-learning platforms, including Moodle: Where are we? 'CMCL-FAIMER Fellowship in Health Professional Education & Leadership, 18-23 April 2024, Ludhiana
2. Introduction to zones and types of simulation, Training of Trainers (TOT) Workshop, HIMS, 16 August 2024**,** Dehradun
3. Types of debriefing**,** Training of Trainers (TOT) Workshop, HIMS, 17 August 2024**,** Dehradun
4. Lead facilitator for group work on the creation of a simulation scenario, Training of Trainers (TOT) Workshop, HIMS, 17 August 2024, Dehradun
5. Exchange Transfusion in Hemolytic Disease of Newborn: Unique cases at AIIMS, Post Graduate institute of Child health, Noida, 23 August 2024, Noida, UP
6. Exchange Transfusion in Hemolytic Disease of Newborn: Unique cases at AIIMS, Basic Course Workshop in Medical & Health Professions', 29 August 2024, Delhi
7. Curriculum development**,** PediSTARS Annual conference-SIMULUS 9, 31 August 2024, Pune
8. Experienced educationalist to Expert Simulation: Navigating the journey [Panel discussion], Pedistars Annual Conference-SIMULUS 9, 1 September 2024, Pune
9. Golden Hour Care of Newborn: Recent Updates, Nurses Concalve, NIHFW, Munirka, New Delhi**,** 5 October 2024**,** Delhi

10. Newer modes of ventilation: Hope or Hype, CME and ventilation workshop at Sir Ganga Ram Hospital, 5 October 2024, Delhi
11. Oragniser and facilitator**,** Simulation workshop**,** 22 and 23 November 2024, AIIMS, New Delhi
12. Implementation of Standard Treatment Workflows for Paediatrics to improve adherence to the guidelines in the setting of a district hospital under the District Residency Program, National Conclave and Training of the Trainers (ToT), HIMS**,** 25-26 November 2024**,** Dehradun
13. Lead faculty and facilitator for simulation workshop at the Himalayan Institute of Medical Sciences, Simulation Training of Trainers (TOT) Workshop at Jolly Grant, 27-28 December 2024**,** Dehradun

Prashant Kumar Jauhari

1. Participated as faculty and Panelist in 2nd Fetal MRI Course, Fetal MRI Course, 7 April 2024, Indraprastha Apolla Hospital, New Delhi
2. Panelist for Autism awareness Public Lecture, Autism PHL, 18 April 2024, AIIMS, New Delhi
3. Panelist for "Key challenges for SMA management", 25 May 2024, New Delhi, India
4. Delivered a talk on "FIRES: Management Strategies and Outcomes Redefine, Neuropedicon, 27 September 2024, Goa
5. Delivered a talk on "Approach a child with headache" in Childhood Headache Symposium a, Childhood Headache symposium, 11 October 2024, Sir Gangaram Hospital in New Delhi
6. Delivered a talk on "Autoimmune encephalitis- an emerging emergency", UP-PEDICON, 19 October 2024, Lucknow
7. Attended as a faculty and delivered a talk on "How to present a case of neurodegenerative disease" in on, ROTIP Program, 01 Decemeber 2024, New Delhi
8. Delivered a talk on "Pediatric Migraine", CREST 2025, 12 January 2025, JW Marriot, New Delhi

Narendra Kumar Bagri

1. Guest lecture, Clinical Pearls in Rheumatology, 24 April 2024, UCMS & GTB Hospital, Delhi
2. Rheumatological disorders in pediatrics, Clinical Meet of IAP North Delhi, 25 April 2024, Crowne Plaza Hotel Rohini, Delhi
3. Approach to arthritis in children Kawasaki disease, CME in Pediatric Rheumatology, 12 May 2024, Auditorium Sir Ganga Ram Hospital, New Delhi
4. Patient Challenges and optimal treatment strategies, 2 Annual India Rheumatology Initiative Meeting (JIV Daya), 19 May 2024, Pride Plaza Hotel, Aerocity, New Delhi
5. Treatment of Kawasaki disease beyond 2 weeks, Mid-Term KSCH CME 2024, 19 May 2024, KSCH, LHMC, New Delhi
6. Guest lecture Pediatric Rheumatic disorders, Pediatric Rheumatology Update 2024, 16 June 2024, Government Medical College, Haldwani, Nainital, Uttarakhand
7. Aches and Pains in Pediatric Rheumatology, North Delhi Pediatric Conference (NDPC) 2024, 1 September 2024, Crowne Plaza Hotel, Rohini, Delhi
8. Fever with Rash, Pediatric Conference of North India (PCNI) 2024, 21 September 2024, Hotel Hyatt Centric, Janakpuri, New Delhi
9. Arthritis in children (Panelist), 22nd National Conference of Pediatric Rheumatology (NCPR) 2024, 26-27 October 2024, Hotel Swosti Premium, Bhubaneswar, Orissa
10. SJIA and MAS; experience from apex tertiary care referral Institution of India, Next Gen Therapies for SJIA & MAS, 13 November 2024, Washington DC, USA
11. Scientific meeting Pediatric rheumatic disorders (Panelist), IRACON 2024, 23 November 2024, Palace grounds chamra vajra, Bengaluru

12. Kawasaki disease Debate; Genetics/ Environment in pathogenesis of Kawasaki disease, 7th National Conference on Kawasaki Disease, 8 December 2024, Hotel Chanakya, Patna, Bihar
13. Juvneile dermatomyositis, CME on Pediatric Rheumatology 2025, 12 January 2025, Hyatt Centric Bangalore, Karnataka
14. Pediatric Dermatorheumatology: Navigating Childhood Autoimmune diseases, 4th Joint AIIMS Delhi- PGIMER (Chandigarh) Dermatology Meeting, 19 January 2025, Jawaharlal Auditorium, AIIMS, New Delhi
15. Cinical pearls in Pediatric Rheumatology; simplifying diagnosis of complex disorders, Guest lecture, 23 January 2025, IMS-BHU, Varanasi Uttar Pradesh
16. JIA: Current management and guidelines, Delhi Rheumatology Association (DRA) 2025, 9 February 2025, Hotel Holiday Inn Aerocity, Delhi
17. Immune mediated inflammatory disorders, Care for Rare- Together we win Workshop on Rare Diseases, 22 February 2025, Seminar room, 4th Floor Surgical Block, AIIMS, New Delhi
18. Z score-based system is the way forward for coronary artery assessment in KD, Global Initiative of Academic Network (GIAN) course, 23 March 2025, APCAuditorium, PGIMER Chandigarh, Haryana, India

Ankit Verma

1. Essential newborn care course: Access to online course, WHOCC for Training and Research in Newborn Care Webinar, 27 November 2024, Delhi
2. Clinical management of HRI in Pediatrics, Webinars on Clinical & Public Health Aspects of Heat-Related Illnesses, 12 March 2025, Delhi

Menka Yadav

1. Kidney replacement therapy in AKI, Nephrology Education from A Pediatric Resident's Outlook (NEfPRO): Webinar series, 17 May 2024 (Virtual), New Delhi
2. Approach to metabolic alkalosis, Nephrology Education from A Pediatric Resident's Outlook (NEfPRO): Webinar series, 14 June 2024 (Virtual), New Delhi
3. Fluid therapy in children, INSIGHT, 11 November 2024, New Delhi
4. Extracorporeal therapies for hyperammonemia, Preconference workshop: Critical Care Nephrology; ISPNCON-Annual conference of Indian Society of Pediatric Nephrology, 2025, 4 December 2024, New Delhi
5. Artificial intelligence in pediatric nephrology, ISPNCON-Annual conference of Indian Society of Pediatric Nephrology, 2025, 6 December 2024, New Delhi
6. Building a strong foundation-a primer for kidney transplantation, World Kidney Day CME, 2025, 9 March 2025, Delhi

Deepika Kainth

1. Hands-on training, Mentorship visit to SNCU Balaghat, 9-11 February 2025, Balaghat, MP
2. Peri-operative care of neonates with esophageal atresia-tracheoesophageal fistula, Conference on Esophageal atresia and tracheo-esophageal fistula, 20 March 2025, AIIMS Bathinda
3. Vaccination among special subgroups: Preterm infants and children with chronic disease, CME on vaccination for nurses, 17 March 2025, AIIMS, New Delhi
4. Building the Search strategy: searching trials, SARANSH workshop, 19 December 2024, AIIMS, New Delhi
5. Assessing quality of included studies: QUADAS tool, SARANSH workshop, 22 December 2024, AIIMS, New Delhi
6. Role of sepsis screen in neonates, Neocon 2024 Neonatology Forum, TamilNadu, 6 December 2024, Mamallapuram
7. Webinar on 'Point of care Quality Improvement in Newborn health', WHOCC for Training and Research in Newborn Care, attended by candidates from WHO SEARO countries, 27 November 2024, Online

Jitendra Meena

1. Chronic Kidney disease: Management of complications, Nephrology Education from a Pediatrics Residents Outlook (NEfPRO) 2024**,** 13 September 2024**,** India
2. Acute Kidney Injury: Principles of management, Nephrology Education from a Pediatrics Residents Outlook (NEfPRO) 2024, 10 May 2024, India
3. BK virus infection in kidney allograft recipients, ISOT 2024, 21 July 2024, Ahmedabad
4. Evidence synthesis, ISPNCON 2024, 6 December 2024, New Delhi
5. SGLT2 inhibitors, ISPNCON 2024, 5 December 2024, New Delhi
6. UTI- ISPN guidelines 2024, 6th Annual Pediatric Nephrology Conclave, 26 July 2024, Bhopal, India
7. CRRT, 6th Annual Pediatric Nephrology Conclave, 27 July 2024, Bhopal, India
8. How to conduct systematic review, INSIGHT, 11 November 2024, New Delhi
9. GRADE Approach, INSIGHT, 11 November 2024, New Delhi
10. PICO Statement, SARANSH, 18 December 2024, New Delhi
11. Systematic literature search, SARANSH, 18 December 2024, New Delhi
12. Meta-analysis in STATA, SARANSH, 18 December 2024, New Delhi
13. GRADE Approach, SARANSH, 18 December 2024, New Delhi
14. Infection related glomerulonephritis, IPNA Congress 2025, 8 February 2025, Cape Town, South Africa
15. Assessing Publication in systematic review, ESSY, 8 February 2025, Chandigarh, India
16. Current status of antibiotic prophylaxis in children with VUR, Update on management of primary vesicoureteric reflux 2025, 2 March 2025, New Delhi
17. Delaying progression of CKD, World Kidney Day CME, 9 March 2025, New Delhi

Kajal Jain

1. Scientist (Expert)**,** Official Meeting, 2 & 3 September 2024**,** AIIMS, Raipur
2. Klebsiella pneumoniae in Neonatal Sepsis, NNS Transmission COP meet, 19 November 2024, Paris
3. Webinar on 'Comprehensive Lactation Management Centre and milk banking'**,** WHOCC for Training and Research in Newborn Care, attended by candidates from WHO SEARO countries, 27 November 2024, Online
4. Scientist (Expert)**,** Official Meeting, 2 & 3 December 2024, AIIMS, Raipur

Rashmi Shukla

1. Unseen structural Variants- peek into the future of cytogenomics, 9th Annual Conference of Society for Indian Academy of Medical Genetics, 5-8 December 2024, Ahmedabad, Gujarat
2. Contribution of Rare sequence Variants in cilia and hedgehog Pathway genes in Down syndrome Associated Atrioventricular Septal defects, 49th Annual Conference of the indian society of Human Genetics, 21-23 January 2025, Bengaluru, Karnataka

Yadhav Dhaneshwar (M.S.S.O)

1. Contribution of Dr IC Verma in Genetics, 17th Dr KC Choudhari & Dr. Amala Choudhari Lifetime Achivement Award, 6 October 2024, SET Facility, Convergence Block, AIIMS
2. Field work application of child rights: Role of JJB, CWC, NCPCR & DCPCR, Sustainable Futures: Integrating Human Rights in Environmental and Climate Policies, 20 February 2025, Kirori Mal College, University of Delhi
3. Pediatric Rheumatic Disorders, Public Lecture & Panel Discussion, 19 March 2025, JLN Auditorium
4. Financial Support to Poor Patient in Hospital setting, Training & Orientation Program of Medical Social Workers, 24 March 2025, Teaching Block, The National Institute of Health & Family Welfare, Munirka

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
95	138	364

List of oral papers/posters presented: 168

1. Afrah H, Chakrabarty B, Gulati S, Kumar A, Jauhari P, Sharan P, et al, Diagnostic agreement of initial presentation with latest follow up and evaluation of neurobehavioral outcome in pediatric onset CNS acquired demyelination syndrome: An ambispective observational study, ICTRIMS, 14-16 November 2024, City missing
2. Bagri Narendra, Kumar Sathish, Chugh Akagri, Bhat Chandrika, Patra Pratap, Vijay Viswanathan, Aditya Gupta, Lokesh Lingappa, Pankaj Hari, AV Ramanan, Clinical Spectrum and Outcome of Children with Deficiency of adenosine deaminase 2 (DADA2): multicentric experience from India (oral paper), 22nd National Conference of Pediatric Rheumatology (NCPR) 2024, 26-27 October 2024, Hotel Swosti Premium, Bhubaneswar, Orissa
3. Bansal S, Gupta AK, Meena JP, Seth R, Naranje P, Coshic P, et al, Comparable post-transplant outcomes of high-risk neuroblastoma from a tertiary care unit of low- and middle-income country, The 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu
4. Batra S, Gupta AK, Meena JP, Seth R, Plerixafor - Does it affect engraftment kinetics? The 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu
5. Batra S, Gupta AK, Meena JP, Seth R, Pre-harvest platelet count predicts response to plerixafor in pediatric patients undergoing autologous stem cell transplant., The 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu
6. Batra S, Kumar R, Iyer V K, Kakkar A, Jobin T, Gupta AK, Meena JP, Seth R., Long-term follow-up of Hodgkin Lymphoma patients enrolled in InPHOG-HL-15-01: An institutional experience, The 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu
7. Bayye S, Jauhari P, Chakrabarty B, Kumar A, Gulati S, "Tracing The Path: Spastic Paraparesis and Its Peroxisomal Roots", Neuropedicon 2024, 26-28 September 2024, GOA, India
8. Bayye S, Jauhari P, Chakrabarty B, Kumar A, Gulati S, Tracing the Path: Spastic Paraparesis and Its Peroxisomal Roots., NEUROPE DICON, 26th-28th September 2024., Goa, India
9. Chakrabarty B, Chaudhary PK, Gulati S, Kumar A, Jauhari P, Pandey R, et al, Five days versus fourteen days of oral dexamethasone therapy in children and adolescents aged 2-18 years with viable parenchymal neurocysticercosis up to 5 lesions: results from a prospective observational study and a randomized clinical trial., EEC, 7-11 September 2024, Rome, Italy
10. Chakrabarty B, Chaudhary PK, Gulati S, Kumar A, Jauhari P, Pandey R, et al, Five days versus fourteen days of oral dexamethasone therapy in children and adolescents aged 2-18 years with viable parenchymal neurocysticercosis up to 5 lesions: results from a prospective observational study and a randomized clinical trial, EEC, 07-11 September 2024, Rome, Italy
11. Chakrabarty B, Choudhary PK, Gulati S, Kumar A, Jauhari P, Pandey RM, et al, Five days versus fourteen days of oral dexamethasone therapy in children and adolescents aged 2-18 years with viable parenchymal neurocysticercosis up to 5 lesions: Results from a prospective observational study and a randomized clinical trial, European Epilepsy Congress, 7-11 September 2024, Rome, Italy
12. Chakrabarty B, Singh S, Gulati S, Kumaran S, Jauhari P, Sagar R, et al, Cognition and executive functions and their correlations on diffusion tensor imaging and quantitative EEG in children and adolescents with idiopathic generalized and self-limiting focal epilepsies: A comparative observational study, European Epilepsy Congress, 7-11 September 2024, Rome, Italy
13. Chakrabarty B, Singh S, Gulati S, Kumaran S, Jauhari P, Sagar R, et al, Cognition and executive functions and their correlates on diffusion tensor imaging and quantitative EEG in children and adolescents with idiopathic generalized and self-limiting focal epilepsies: A comparative observational study, EEC, 7-11 September 2024, Rome, Italy
14. Chakrabarty B, Singh S, Gulati S, Kumaran S, Jauhari P, Sagar R, et al, Cognition and executive functions and their correlates on diffusion tensor imaging and quantitative EEG in children and adolescents with idiopathic generalized and self-limiting focal epilepsies: A comparative observational study, EEC, 7-11 September 2024, Rome, Italy

15. Chaudhary P, Chakrabarty B, Gulati S, Jauhari P, Kumar A, Upadhyay A, et al, Five versus fourteen days dexamethasone in Parenchymal NCC: An Open Labelled Clustered Randomized Superiority Trial., ICNA, 6-10 May 2024, Cape Town

16. Chaudhary P, Chakrabarty B, Gulati S, Jauhari P, Kumar A, Upadhyay A, et al, Five versus fourteen days dexamethasone in Parenchymal NCC: An Open Labelled Clustered Randomized Superiority Trial., ICNA, 6-10 May 2024, Cape Town

17. Chauhan P, Paul P, Sharma R, Jain V,* Evaluation of physical activity and its determinants in children of preschool age group in Delhi, 13th Biennial APPES meeting, 3 October 2024, Delhi

18. Choudhary P, Chakrabarty B, Gulati S, Jauhari P, Kumar A, Upadhyay A, et al, Five versus fourteen days dexamethasone in Parenchymal NCC: An Open Labelled Clustered Randomized Superiority Trial", ICNA, May 6-10 2024, Cape Town, South Africa

19. Clinical profile and outcomes of neonates who underwent tracheostomy: A retrospective study, Priyanka Singh, Deepika Kainth, Satya Prakash, Ankit Verma, Anu Thukral, Jeeva Sankar, Ramesh Agarwal, NEOCON 2024, 6-8 December 2024, Mamallapuram

20. Comparison of Two Methods of Estimation of Length of Umbilical Arterial and Venous Catheter Insertion in Neonates: A Randomized Controlled Trial, Umang Bhardwaj1, Vivek Kumar1, Ankit Verma1, Anu Thukral1, M Jeeva Sankar1, Devasenathipathy Kandasamy2, Ramesh, PAS 2024, 27 April 2024, USA

21. Deep S, Gupta AK, Seth R, Meena JP, Incidence and outcomes of cytokine release syndrome after post haploidentical peripheral blood stem cell transplant with post-transplant cyclophosphamide, The 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu

22. Deep S, Seth R, Gupta AK, Meena JP, Setlur K, Singh N, et al, Oncofertility practices in survivors of pediatric malignancies: Experience from an LMIC setting, the 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu

23. Devi Saranya S, Gupta Neerja, 1 Selvamanoj kumar S, Endrakanti Mounika, Mishra Pallavi, Kabra Madhulika;, Genotype-Phenotype Spectrum in An Indian Cohort of Niemann-Pick Disease Type A/B, AIIMS Research Day, 30 January 25, New Delhi

24. Devi Saranya S, Gupta Neerja, Outcomes of Liver Transplantation in Methyl malonic acidemia: A rare case report, ISIEM Foundation course on IEM workshop, 20 March 2025, New Delhi

25. Devi Saranya S, Kabra Madhulika, Gupta Neerja, Eye or AI: A first case of SBBYSS from India, Gestalt matcher Workshop, IAMG Conference, 2024, 7 December 2024, Ahmedabad

26. Devi Saranya S, Kabra Madhulika, Gupta Neerja, Phenotype-genotypic spectrum of a cohort of indian patients with congenital disorders of glycosylation, Rapid oral presentation in Lab diagnosis of IEM workshop, Annual ISIEM conference, 20 July 2024, Jaipur

27. Divashree Jhurani, Varsha Mittal, Sanjay Kumar, Atul Jindal, Neeraj Gupta, Reeta Bora, et al Whole genome sequencing and Carbapenem resistance among Klebsiella pneumoniae isolated from neonates with sepsis at district hospitals in India, KLEBS 2024 Conference, 20-22 November 2024, Paris

28. Faruq M, Priyadarshini S, Kumar A, Sharma R, Jain V* Molecular profiling of 46, XY Disorders of Sex Development by Next Generation Sequencing in an Indian cohort, 13th Biennial APPES Meeting, 2 October 2024, Delhi

29. Ghanghoriya PK, Jauhari P, Sundaram MS, Kumar A, Gulati S, Effect of Thalidomide in immune mediated paradoxical reaction in childhood CNS tuberculosis, ICNA, 6-10 May 2024, Cape Town, South Africa

30. Goparaju M, Jauhari P, Chakrabarty B, Kumar A, Gulati S, Asymmetric Chorea: A Rare Restricted Clinical Phenotype of NMDA Encephalitis., NEUROPE DICON, 26-28 September 2024, Goa, India

31. Gujjar P, Sweta, Thomas T, Vungneimoi H, Jyoti, Jubilee, Karthika, George, Batra S, Reddy S, Gupta AK, Meena JP, Seth R., Effective management of febrile neutropenia in outpatient settings through nurse-led tracking systems, The 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 22-24 November 2024, Jammu

32. Gulati S, Agarwal A, Sondhi V, Panda PK, Khanna L, Anand V, et al, "Effects of Less Restrictive Diet in Childhood Drug – Resistant Epilepsy: A Long – Term Experience, AOEC 2025, 20-23 February 2025, New Delhi, INDIA

33. Gulati S, Agarwal A, Sondhi V, Panda PK, Khanna L, Anand V, et al, Effects of Less Restrictive Diet in Childhood Drug – Resistant Epilepsy: A Long – Term Experience., AOEC, 23-25 February 2025, New Delhi, India

34. Gulati S, Deepthi K, Raghunathan K, Sinha R, Singh S, Choudhary RS, et al, "Outcome of Intravenous Gene-Therapy in Spinal Muscular Atrophy: A Single-Center Review", Research Day 2025, 29-30 January 2025, AIIMS, New Delhi

35. Gulati S, Jindal P, Mahesan A, Kamila G, Mirdha BR, Dhar L, et al, "Etiological profile of infants, children and adolescents presenting with acute, Sub-acute and chronicencephalitis/encephalopathy in a tertiary care center in North India.", Research Day 2025, 29-30 January 2025, AIIMS, New Delhi

36. Gulati S, Kamila G, Aakash M, Raghunathan K, Ojha S, Choudhary P, Navigating the Enigmatic interface between Autism and Epilepsy, INSAR 2024, 15-18 May 2024, Melbourne, Australia

37. Gulati S, Kamila G, Mahesan A, Ragunathan K, Choudhary PK, Ojha S., Exploring the connection between Autism and Epilepsy, ICNA, 6-10 May 2024, Cape Town, South Africa

38. Gulati S, Kamila G, Ojha S, Sanjeeda, Rohil A, Sundaram M, Singh A, et al, "Unravelling Co-Morbidities in Autism: Insights into Behavioral and Neurological Outcomes in Children", Research Day 2025, 29-30 January 2025, AIIMS, New Delhi

49. Gulati S, Mahesan A, Agarwal A, Sondhi V, Gupta K, Kamila G, et al, "Correlation between compliance assessment using, diary counts with ketone records in children, AOEC 2025, 20-23 February 2025, New Delhi, INDIA

40. Gulati S, Mahesan A, Agarwala A, Gupta K, Kamila G, Sondhi V, et al, Correlation of parental knowledge with ketogenic diet compliance in West syndrome through diary counts and ketone records, ICNA, 6-10 May 2024, Cape Town, South Africa

41. Gulati S, Mahesan A, Agarwala A, Gupta K, Kamila G, Sondhi V, et al, Correlation of parental knowledge with ketogenic diet compliance in West syndrome through diary counts and ketone records, ICNA, 6-10 May 2024, Cape Town

42. Gulati S, Mahesan A, Agarwala A, Gupta K, Kamila G, Sondhi V, et al, Correlation of parental knowledge with ketogenic diet compliance in West syndrome through diary counts and ketone records., AOEC, 23-25 February 2025, New Delhi, India

43. Gulati S, Mahesan A, Agarwala A, Gupta K, Kamila G, Sondhi V, et al, Correlation of parental knowledge with ketogenic diet compliance in West syndrome through diary counts and ketone records, ICNA, 6-10 May 2024, Cape Town

44. Gulati S, Ojha S, Gupta KL, Sanjeeda, Agarwala A, Kamila G, et al, "Role of Gluten-Free-Casein-Free (GFCF) diet in children with autism spectrum disorder: A Randomized Controlled Trial", Research Day 2025, 29-30 January 2025, AIIMS, NEW Delhi

45. Gulati S, Parashar A, Chakrabarty B, Meena AK, Yoganathan S, Kamila G, et al, Sleep related breathing disorder in children with dystrophin Pathy: a cross-sectional study, ICNA, 6-10 May 2024, Cape Town, South Africa

46. Gulati S, Parashar A, Chakrabarty B, Meena AK, Yoganathan S, Kamila G, et al, Sleep related breathing disorder in children with dystrophin Pathy: A cross-sectional study, ICNA, 6-10 May 2024, Cape Town

47. Gulati S, Parashar A, Chakrabarty B, Meena AK, Yoganathan S, Kamila G, et al, Sleep related breathing disorder in children with dystrophin Pathy: a cross-sectional study, ICNA, 6-10 May 2024, Cape Town

48. Gulati S, Qadri JA, Karmakar S, Sisodia P, Ojha S, Kamila G, et al, To Explore the Association of Heavy Metals and Essential Micronutrients as Environmental Markers in Children with Autism Spectrum Disorder: A Cross-Sectional Study, INSAR 2024, 15-18 May 2024, Melbourne, Australia

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145. Tummala S, Kamila G, Gulati S, Knowledge and attitude among doctors, nurses and other allied health workers on childhood neurodevelopmental disorders, ICNA, 6-10 May 2024, Cape Town, South Africa

146. Vaidya V, Gupta P, Singh M, Chawla V, Yadav RK, Jain V,* Smartphone applications-based intervention to reduce body mass index and improve health-related behaviour among school children with overweight/obesity: A clinical trial, 13th Biennial APPES meeting, 3 October 2024, Delhi

147. Wander A, Chakrabarty B, Jauhari P, Gulati S, Rare EEG features of common pediatric Epilepsy Syndromes, ICNA, 6-10 May 2024, Cape Town, South Africa

148. Wander A, Chakrabarty B, Jauhari P, Gulati S, Rare EEG features of common pediatric Epilepsy Syndromes., ICNA, 06-10 May 2024, Cape Town

149. Wu S, Gulati S, Komaki H, Escobar-Cedillo RE, Kostera Pruszczyk A, Shin JH, Haginoya K, Penematsa V, Chou C, Dong E, Williams P, Werner C, on behalf of the Study 041 investigators., Ataluren delays clinically meaningful milestones of decline in 6MWD in patients withnmDMD from Study 041, a phase 3, placebo-controlled trial, Accepted for oral presentation in AAN 2024, AAN 2024, Kansas City, KS, USA

150. Yadav DP, Kumar V, Sachdeva A, Verma A, Agarwal R, Sankar MJ., Effect of visual inspection-based abdominal monitoring versus routine pre-feed abdominal girth monitoring on time to reach full enteral feeds in preterm neonates: A randomized controlled trial, 41st Annual Convention of National Neonatology Forum (NEOCON 2022), December 2022, Kolkata

[1]Best paper award,

[2]Star oral paper,

[3]Third prize at AIIMS Annual research day,

[4]Third Prize in Oral paper presentation

Poster Presentations

1. Bindal T, Meena J, Sinha A, Hari P, Bagga A, Clinical features and outcomes of IgA vasculitis with nephritis: Experience at a tertiary-care center, ISPNCON, 7 December 2024, Delhi
2. Bindal T, Meena M, Sinha A, Hari P, Bagga A, Prevalence and determinants of recurrence of FSGS following kidney transplantation, ISPNCON, 7 December 2024, Delhi
3. Bindal T, Sinha A, Barwad A, Hari P, Bagga A, Renal involvement in pediatric sarcoidosis, ISPNCON**,** 7 December 2024**,** Delhi
4. Bindal T, Sinha A, Meena J, Yadav M, Hari P, Bagga A, Role of *CYP3A5* polymorphisms in tacrolimus dose optimization in pediatric kidney allograft recipients, 3rd Pediatric Renal Transplant Conference, 21 March 2025, Vellore
5. Bindal T, Sinha A, Meena J, Yadav M, Hari P, Bagga A, The challenges of kidney replacement therapy in people living with HIV, 3rd Pediatric Renal Transplant Conference, 21 March 2025, Vellore
6. Bindal T, Sinha A, Yadav M, Hari P, Bagga A, Eculizumab in atypical hemolytic uremic syndrome: A case series from India, ISPNCON, 7 December 2024, Delhi
7. Saranya S Devi, Kabra Madhulika, Gupta Neerja, Phenotype-genotypic spectrum of a cohort of Indian patients with congenital disorders of glycosylation, ISIEM Conference, 2024, 21 September 2024, Jaipur
8. Saranya S Devi, Modani Prerana, Kabra Madhulika, Gupta Neerja, Phenotypic and molecular spectrum of an Indian cohort of Cutis laxa, IAMG Conference, 2024, 07 December 2024, Ahmedabad
9. Paharia Konpal, Sharma Rajni, Saha Anwesha, Saini Himanshi, Kumari Khushboo, Gupta Priyanka, et al: Prevalence of obesity among school-going girls in New Delhi, APPES-ISPAE Joint Conference, 5 October 2024, New Delhi
10. Meena J, Ali S, Dhillon S, Ajoy H, Robinson C, M Rodrigues, A Deep, Greenberg J, Kumar J, Chanchlani R, Adverse long-term outcomes following acute kidney injury in hospitalized children: A systematic review and meta-analysis, IPNA Congress 2025, 10 February 2025, Cape Town South Africa
11. Meena J, Sinha A, Yadav M, Krishna A, Bansal V, Goswami S, et al, ABO Incompatible Kidney Transplantation in Indian Children, IPNA Congress 2025, 10 February 2025, Cape Town South Africa
12. Gupta Neerja, Endrakanti Mounika, Naini Kamal, Dadhwal Vatsla, Sachdeva Anu, Sharma Aparna, et al, Genomic Exploration of Severe Mendelian Developmental Anomalies: Insights from Exome Sequencing Analyses in a large Indian cohort, ISPD 28th International Conference on Prenatal Diagnosis and Therapy, 08 July 24, Boston. USA (virtual)
13. Gupta Neerja, Endrakanti Mounika, Kabra Madhulika, Evaluation of Carrier Exome Sequencing for high-risk Indian couples, ISPD 28th International Conference on Prenatal Diagnosis and Therapy, 9 July 2024, Boston. USA, Virtual
14. Sadanand Rohit, Gupta Neerja, Gupta Aditya Kumar, Kabra Madhulika, KAT6A related intellectual disability disorder - A report of two cases, IAMG Conference, 2024, 7 December 2024, Ahmedabad
15. Sadanand Rohit, Chakraborty Soumalya, Shukla Rashmi, Gupta Neerja, Chauhan Richa, Pratyusha, Kumar Mukesh, Kaur Punit, Kabra Madhulika, Report of two patients with Glycosylphosphatidylinositol (GPI) biosynthetic defect, IAMG Conference, 2024, 6 December 2024, Ahmedabad
16. Saiteja P, Meena J, Sinha A, Yadav M, Sarkar S, Sharma S, et al, Efficacy of oral cyclophosphamide therapy in frequently relapsing and steroid dependent nephrotic syndrome: A retrospective Cohort Study, ISPNCON, 7 December 2024, Delhi
17. Sarath R S, Selvamanoj Kumar, Neha Sudhir, Bhawana Agarwal, Manisha Jana, Sharadhi H B, Shah Alam Khan, Madhulika Kabra, Neerja Gupta, TNFRSF11A associated sclerosing bone dysplasia - a case series, IAMG Conference, 2024, 7 December 2024, Ahmedabad
18. Selvamanojkumar S, Madhulika Kabra, Neerja Gupta, Molecular spectrum of Niemann pick type C patients, SSIEM Conference, 2024, 04 September 24, Porto, Portugal
19. Selvamanojkumar S, Neerja Gupta, Mounika Endrakanti, Pallavi Shukla, Madhulika Kabra, Clinical and molecular spectrum of patients with Niemann pick disease type A/B from a tertiary care centre in North India, SSIEM Conference, 2024, 4 September 2024, Porto, Portugal

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
32	40	168

RESEARCH

Funded

Ongoing

1. Assessing the microcirculation and its response to different fluid volumes in children with septic shock., Jhuma Sankar, ICMR, 3 Years, 2022-2025 (Ongoing), Rs 150 Lakhs
2. Comparison of Acetate-based, Lactate-based and Multiple Electrolyte Solution versus saline (MeSLAc trial) in pediatric septic shock- A multicenter randomized controlled trial, Jhuma Sankar, SERB, 3 Years, 2023-2026 (Started), Rs 30 Lakhs
3. Severe sepsis in children: clinical and immunological phenotypes, Jhuma Sankar, THSTI, 2 Years, 2022-2025, Rs 20 Lakhs
4. Infectious and genetic triggers in children with hemolytic uremic syndrome, Arvind Bagga, ICMR, 3 Years, 2021-2024, Rs 87.19 Lakhs
5. Efficacy of low dose, short course prednisolone regimen for relapse of steroid sensitive nephrotic syndrome in children: A multicenter, randomized, placebo-controlled trial, Pankaj Hari, DHR, 3 Years, 2022-2025, Rs 145.67 Lakhs
6. Efficacy of IV rituximab versus oral mycophenolate mofetil in sustaining remission in steroid-resistant nephrotic syndrome maintained on calcineurin inhibitors for more than two years: An open-label randomized controlled trial, Aditi Sinha, DHR, 3 Years, 2023-2026, Rs 152.44 Lakhs
7. Program on complement-mediated kidney diseases: Developing commercial ELISA and pipelines for genetic screening, identifying biomarkers, and refining therapies (IIRPIG-2023-0000119), Aditi Sinha, ICMR, 4 Years, 2024-2028, Rs 425.88 Lakhs
8. Anti-nephrin antibodies in children with idiopathic nephrotic syndrome, Aditi Sinha, Gaurav Batra, AIIMS-THSTI (Collaborative research project), 1 Year, 2023-2024, Rs 5 Lakhs
9. Establishment of automated and rapid assay for ADAMTS 13 activity to enable the diagnosis of congenital or acquired TTP, Aditi Sinha, Tushar Sehgal, AIIMS (Intramural Collaborative Research Project), 2 Years, 2024-2026, Rs 10 Lakhs
10. Anti-nephrin antibodies in pediatric nephrotic syndrome: Implications for diagnosis and therapy, Aditi Sinha, ICMR, 2 Years, 2025-2027, Rs 94.96 Lakhs
11. Phase 3 Randomized open label controlled multiple dose efficacy safety pharmacokinetic and pharmacodynamic study of etelcalcetide in pediatric Subjects 28 days to 18 years of age with secondary hyperparathyroidism and chronic kidney disease receiving maintenance hemodialysis, Aditi Sinha, M/s Amgen Technology Pvt. Ltd., 4 Years, 2022-2026, Rs 18.28 Lakhs
12. A Phase III, Multicenter, single-arm study evaluating the efficacy, safety, pharmacokinetics, and pharmacodynamics of Crovalimab in adult and adolescent patients with atypical hemolytic uremic syndrome (aHUS), Aditi Sinha, Roche Products (India) Private Limited, 4 Years, 2024-2028, Rs 18 Lakhs
13. Culture of nasal epithelial cells for diagnosis of Primary Ciliary Dyskinesia, Kana Ram Jat, ICMR, 3 Years, 2024-2027, Rs 113 Lakhs
14. Programming effect of relative weight gain, fat and fat-free mass gain in infancy on body composition and insulin sensitivity in mid-childhood: Follow-up of a birth cohort", Vandana Jain, ICMR, 3 Years, 2023-2026, Rs 25 Lakhs
15. Effect of millet and legume-based complementary feeding intervention from 6mo to 2y of age on growth, haemoglobin, metabolic parameters and body composition in term/ near-term low birth weight infants: A randomized controlled trial., Vandana Jain, ICMR, 3 Years, 2023-2026, Rs 150 Lakhs
16. Assessing the genesis of the 'thin-fat' Asian Indian phenotype: A longitudinal study on body composition, metabolic and metabolomic profile in children born preterm or small for gestational age, Vandana Jain , DBT, 3 Years, 2024-2027, Rs 60 Lakhs

17. The effect of low glycemic index diet in the form of traditional Indian millets in obese children: a randomized controlled trial, Rajni Sharma, ICMR, 4 Years, 2021-2025, Rs 34 Lakhs

18. Menstrual Problems and Pubertal Disorders in School-going girls, Rajni Sharma, SEHEAC (Society of Endocrine health in Elderly, Adolescents and Children), 3 Years, 2023-2026, Rs 15 Lakhs

19. Protocol H8H-MC-LAHW (a) – A Phase 3, 12-Month, Open Label Study of Lasmiditan in Pediatric Patients with Migraine-PIONEER-PEDS2, Sheffali Gulati Site PI, Eli-Lilly & Company Private Limited, 4 Years, 2021-2024, Rs 12.17 Lakhs

20. Protocol H8h-MC-LAHV (a) Pediatrics Options for Migraine Relief: A Randomized, Double-Blind, Placebo-Controlled Study of Lasmiditan for Acute Treatment of Migraine: PIONEER PEDS1, Sheffali Gulati Site PI, Eli-Lilly & Company Private Limited, 3Years, 2021-2024, Rs 16,90,880 Lakhs

21. Protocol 15Q-MC-CGAS(f)-A Randomized, Double-Blind, Placebo-Controlled Study of Galcanezumab in Patient 6 to 17 Years of Age with Episodic Migraine- the REBUILD-1 Study, Sheffali Gulati Site PI, Eli-Lilly & Company Private Limited, 4 Years, 2021-Ongoing, Rs 21.39 Lakhs

22. A Double Blind, Placebo-Controlled, Multicenter Study with an Open-Label Extension to Evaluate the Efficacy and Safety of 2'O Methyl Antisense Oligonucleotide in Patients with Duchenne Muscular Dystrophy, (PI) Sheffali Gulati, Dystrophy Annihilation Research Trust, 3 Years, 2021-2024, Rs 16.50 Lakhs

23. A randomized, sham-Controlled, double-blind study to evaluate the efficacy and safety of intrathecal (IT) OAV101 in patients with later onset Type 2 spinal muscular atrophy (SMA) who are > 2 to <18 years of age, treatment naïve, sitting, and never ambulatory, (PI) Sheffali Gulati, Novartis Healthcare Private Limited, 2 Years, 2021, Ongoing, Rs 17, 97, 417 per patient (Total 7 patients randomized, Total amount Rs 125.82 Lakhs

24. Neurodevelopmental outcomes in infants undergoing surgery for congenital heart defects-A prospective multi-center cohort study., (Co-PI) Sheffali Gulati, ICMR, 4 Years, 2021-2025, Rs 22.85 Lakhs

25. Role of Artificial Intelligence (AI) In Autism Spectrum Disorder, (PI) Sheffali Gulati, DBT, 2 Years, 2023-2025, Rs 39.9 Lakhs

26. Neurocomputing and Cognitive Intelligence, Mentor and Site PI Sheffali Gulati, MeitY IIT Delhi-NIT Durgapur Project, 4 Years, 2020-2024, Rs 2.31 Lakhs

27. To explore the association of Molecular, Genetic and Environmental markers in autism spectrum disorder and other Neuro developmental Disorders including ADHD and Cerebral Palsy: A Cross-sectional study, Sheffali Gulati (PI), ICMR, 3 Years, 2021-2024, Rs 138 Lakhs

28. A multimodality assessment of brain metabolism, microstructural organization and neuroinflammation in Subacute Sclerosing Panencephalitis: a cross- sectional observational study, Mentor Prashant Jauhari, AIIMS UG Mentorship Grant, 2 Years (Extension), 2021-2024, Rs 2 Lakhs

29. Scalable Transdiagnostic Early Assessment of Mental Health (STREAM), (PI) Sheffali Gulati, MRC, 1 Year, 2019 Started at AIIMS in 2021, 2025, GBP Rs 36.51 Lakhs

30. Developing models based on biomarker signature and clinico-electroencephalographic parameters to predict severity and outcome in pediatric status epilepticus: a longitudinal observational study, PI (Biswaroop Chakrabarty), DHR, 3 Years, 2021-2024, Rs 53.9 Lakhs

31. Multimodal evaluation of neural network and neuroinflammatory nexus of Electrical status epilepticus in sleep (ESES) in children., PI (Prashant Jauhari), Interdisciplinary IMR funding, AIIMS, New Delhi, 2 Years, 2021-2024, Rs 10 Lakhs

32. Host inflammatory response and its correlation with paradoxical worsening in childhood tubercular meningitis, PI (Prashant Jauhari), Intramural Research Grant, AIIMS, New Delhi, 2 Years, 2021-2024, Rs 10 Lakhs

33. A Brain Machine Interface enabled Biomedical Assistive Communication System for severely motor disabled, PI Sheffali Gulati, MeitY, 3 Years, 2022-2025, Rs 53.72 Lakhs

34. A Randomized, Double-Blind, Dose Finding and Comparison Study of the Safety and Efficacy of a High Dose of Eteplirsen, Preceded by an Open-label Dose Escalation, in Patients with Duchenne Muscular Dystrophy with Deletion Mutations Amenable to Exon 51 Skipping, PI Sheffali Gulati, Sarepta, 4 Years, 2022-2026, Rs 17.08 per patient Total 222.03 Lakhs

35. Empowering children with ASD through the training of master trainers, PI Sheffali Gulati, Ministry of Social Justice and Empowerment, 1 Year, 2023-2024, Rs 14.30 Lakhs

36. Holding hand in magical years – Early childhood development & neurorehabilitation center, PI Sheffali Gulati, HANS Foundation, 3 Years, 2023-2026, Rs 231.53 Lakhs

37. A phase – 2B multi-centered 30-week, prospective, cross-over, double blind, randomized, placebo-controlled study followed by a 52-week open label extension study to evaluate the efficacy and safety of basimglurant adjunctive to ongoing anti-convulsive therapy in children, adolescents and young adults with seizures associated with tuberous sclerosis complex, PI Sheffali Gulati, Noema Pharma, 3 Years, 2023-2026, Rs 28.53 Lakhs

38. A Phase III Multicenter, Randomized, Double-Blind, Double-Dummy Study to Evaluate Safety and Efficacy of Ocrelizumab in Comparison with Fingolimod in Children and Adolescents with Relapsing-Remitting Multiple Sclerosis, PI Sheffali Gulati, Roche, 3 Years, 2023-2026, Rs 98.46 Lakhs

39. Intermediate and long-term therapeutic efficacy of r TMS in drug refractory focal epilepsy of childhood: A randomized double-blindsham-controlled study, Prashant Jauhari, ICMR, 3 Years, 2023-2026, Rs 48 Lakhs

40. To determine the clinical and neuroimaging characteristics and outcomes of Febrile Infection-Related Epilepsy Syndrome (FIRES) in children, Sheffali Gulati (AIIMS) Professor J Helen Cross (UCL PI), AIIMS-UCL collaboration, 1 Year, 2020, Ongoing, Rs 5 Lakhs to AIIMS

41. A double-blind, placebo-controlled trial assessing the efficacy of oral probiotic supplementation in children with autism, Sheffali Gulati - Lead, ICMR-funded, 5 Years, 2019–2024, Rs 33.32 Lakhs.

42. A multicentric study on leukodystrophies in India, Sheffali Gulati - Site PI, Coordinated by PGI Chandigarh, funded by the Indian Academy of Neurology, ongoing, 2020, Rs 5 Lakhs to the coordinating center).

43. To Investigate the Role of Human Mesenchymal Stem Cell Derived Exosomes as a Cell-Free Therapeutic Approach for Amelioration of Symptoms of Autism Spectrum Disorders (ASD). Sheffali Gulati- Co-PI, DBT-funded, 5 Years, 2022-2025, Rs 74.68 Lakhs

44. A Multimodality Assessment of Brain Metabolism, Microstructural Organization and Neuroinflammation in Subacute Sclerosing Panencephalitis, Sheffali Gulati – Co-PI, AIIMS UG Mentorship Grant-supported, 3 Years, 2021-2024, Rs 2 Lakhs

45. The longitudinal observational study "Differentiating Monophasic and Recurrent Acquired Demyelinating Disorders of Childhood and Adolescence, Sheffali Gulati- Co-Investigator, AIIMS-IRG-funded, ongoing, 2020, Rs 10 Lakhs

46. Randomized clinical trial titled To Compare Efficacy and Safety of Melatonin and Triclofos in Inducing Sleep in Children Posted for Sleep Deprived Sleep EEG, Sheffali Gulati- Co-Investigator, AIIMS Undergraduate Research Mentorship Scheme, Ongoing, 2020, Rs 1.10 Lakhs

47. A Study on Development of 'Epilepsy Care App' and Assessment of Its Utility and Satisfaction Among Parents of Children with Epilepsy Reporting at AIIMS, New Delhi", Sheffali Gulati- Co-Investigator, AIIMS IRG, Ongoing, 2021, Rs 2.25 Lakhs

48. Neurocomputing and Cognitive Intelligence, Sheffali Gulati- Mentor and Site PI, MeitY-funded, IIT Delhi–NIT Durgapur, 4 Years, 2020-2024, Rs 2.31 Lakhs

49. Developing Models Based on Biomarker Signature and Clinico-Electroencephalographic Parameters to Predict Severity and Outcome in Pediatric Status Epilepticus, Sheffali Gulati- CO-PI, DHR-funded, 3 Years, 2021-2024, Rs 53.9 Lakhs

50. Multimodal Evaluation of Neural Network and Neuroinflammatory Nexus of Electrical Status Epilepticus in Sleep (ESES) in Children, Sheffali Gulati- CO-PI, AIIMS Interdisciplinary IMR-funded, 3 Years, 2021-2024, Rs 10 Lakhs

51. Host Inflammatory Response and Its Correlation with Paradoxical Worsening in Childhood Tubercular Meningitis, Sheffali Gulati- CO-PI, AIIMS, 3 Years, 2021- 2024, Rs 10 Lakhs

52. The randomized controlled trial titled "Intermediate and Long-Term Therapeutic Efficacy of rTMS in Drug Refractory Focal Epilepsy of Childhood, Sheffali Gulati- CO-PI, ICMR-funded, Ongoing, 2023-2026, Rs 48 Lakhs

53. Air Pollution Impact on Pregnancy and Early Childhood Development in India (APiPED Cohort), Sheffali Gulati- Co-Investigator, ICMR-funded, Ongoing, 2024, Intermediate grant.

54. Centre for Research in "Difficult to Treat Epilepsy, Sheffali Gulati- Co-Investigator, DBT, Ministry of Science and Technology.,

55. Differentiating monophasic and recurrent acquired demyelinating disorders of childhood and adolescence: an HLA typing, serum and CSF inflammatory biomarkers based longitudinal observat2ional study, Biswaroop Chakrabarty, AIIMS-IRG, 2 Years (on extension), 2020, Rs 10 Lakhs

56. Association of serum antiseizure medication levels with behaviour and cognition in children and adolescents aged 6-17 years with pharmaco-responsive non-lesional epilepsy: An observational study, Mentor (Biswaroop Chakrabarty), AIIMS UG Mentorship, 1 Year (on extension), 2021-2022, Rs 2 Lakhs

57. Developing models based on biomarker signature and clinico-electroencephalographic parameters to predict severity and outcome in pediatric status epilepticus: a longitudinal observational study, PI (Biswaroop Chakrabarty), DHR, 3 Years (on extension), 2022-2025, Rs 53.9 Lakhs

58. Intermediate and long-term therapeutic efficacy of r TMS in drug refractory focal epilepsy of childhood: A randomized double-blind sham-controlled study, Prashant Jauhari, ICMR, 3 Years, 2023, Ongoing, Rs 48 Lakhs

59. Multimodal evaluation of neural network and neuroinflammatory nexus of Electrical status epilepticus in sleep (ESES) in children, Prashant Jauhari, AIIMS Interdisciplinary collaborative intramural research scheme, 3 Years, 2022-2025, Rs 10 Lakhs

60. Host inflammatory response and its correlation with paradoxical worsening in childhood tubercular meningitis, Prashant Jauhari, AIIMS- IRG, 3 Years, 2022-2025, Rs 10 Lakhs

61. Investigating the Casual Link between Dengue Virus and Pediatric Acute Encephalitis Syndrome using in Vivo and In Vitro Models, Rakesh Lodha, SERB, 3 Years, 2025-2028, Rs 12.47 Lakhs

62. Immune responses associated with severe disease in patient with primary dengue infection, Rakesh Lodha, NIH, USA, 5 Years, 2024-2029, Rs 125.46 Lakhs

63. Clinical efficacy of addition of Agastya Haritaki avaleha [Classical Ayurvedic formulation] and Yoga to standard treatment care in the management of Bronchial Asthma in Children and Adolescents. A randomized controlled trial, Rakesh Lodha, ICMR, 3 Years, 2022-2025, Rs 40.86 Lakhs

64. SAFE-ICU: An Quen Big-Data and Reproducible AI Resource for Early Prediction of Intensive Care Outcome, Rakesh Lodha, ICMR, 3 Years, 2023-2026, Rs 103.88 Lakhs

65. Long Term lung function outcomes in children with intrathoracic tuberculosis an ambispective observational study, Rakesh Lodha, ICMR, 3 Years, 2024-2027, Rs 72 Lakhs

66. Restricted versus usual/Liberal maintenance fluid Strategy in mechanically ventilated Children A multicentric open-label randomized trial ReLiSCh-M trial, Rakesh Lodha, ICMR, 2 Years, 2025-2027, Rs 204.25 Lakhs

67. Federated AI for Open Source AMR Surveillance India, Rakesh Lodha, BIRAC, 2 Years, 2025-2027, Rs 63.68 Lakhs

68. ICMR Registry for Rare and other inherited disorders, Madhulika Kabra Neerja Gupta, ICMR, 5 Years, 2019-2027, Rs 109 Lakhs

69. Mission Program on Pediatric Rare Genetic Disorders, Neerja Gupta, DBT, 5 Years, 2022-2027, Rs 101 Lakhs

70. Pharmacokinetic and Dynamic correlation for optimum therapy of NTBC for the Treatment of Indian Patients with Hereditary Tyrosinemia type 1, Neerja Gupta, DST, 3 Years, 2023-2026, Rs 66 Lakhs

71. Functional Characterisation and Antisense Oligonucleotide (AON) Mediated Correction of Novel ATM Variants, Rashmi Shukla, ICMR, 3 Years, 2021-2024, Rs 50 Lakhs

72. Deciphering the complexities of apparently Balanced chromosomal Rearrangements associated with clinical phenotype by, Rashmi Shukla, ICMR, 3 Years, 2023-2026, Rs 65 Lakhs

73. Designing a Next Generation Sequencing Panel for 10 common genetic disorders with Large & complex genes: A Cross-sectional study, Madhumita Roy Chowdhury, AIIMS Intramural, 2 Years, 2024-2026, Rs 10 Lakhs

74. Generation, characterization and differentiation of induced pluripotent stem cells into motor neurons from Spinal Muscular Atrophy prenatal samples-Recapitulating the disease in the dish, Amita, ICMR, 3 Years, 2025-2028, Rs 134 Lakhs

75. Validation of Recombinant Polymerase Amplification coupled restriction as a direct, rapid and cost effective molecular diagnostic tool for diagnosis of SMA in resource poor settings, Amita, DBT, 3 Years, 2025-2028, Rs 27 Lakhs

76. Sepsis-related mortality in neonates in India: A multi-disciplinary, multi-institutional research program for context-specific solutions (DBT, Govt. of India; 46.5 crores), M. Jeeva Sankar, Department of Biotechnology (DBT), 5 Years, 2021-2026, Rs 455 Lakhs
77. Effect of Immediate kangaroo mother care (iKMC) on neonatal mortality and culture-positive sepsis in low birth weight neonates in district hospitals in Chhattisgarh, India: a stepped-wedge cluster randomized trial., M. Jeeva Sankar, Bill and Melinda Gates Foundation, 4 Years, 2024-2028, Rs 405 Lakhs
78. WHO norms for small and/or sick newborn care (SSNC) in level-2 facilities in low- and middle-income countries (LMIC)., M. Jeeva Sankar, Bill and Melinda Gates Foundation, 1 Years, 2023-2024 (Extension till 2025), Rs 13.12 Lakhs
79. Sequencing of *Klebsiella, E coli, Acinobacter,* and *S aureus* isolates in neonates with sepsis, M. Jeeva Sankar, Bill and Melinda Gates Foundation, 1 Year, 2023-2024 (Extension till 2025), Rs 190 Lakhs
80. Identification of potential pathogen(s) among neonates with 'culture -negative sepsis', Kajal Jain, DBT, GoI, 5 Years, 2021-2026, Rs 241 Lakhs
81. Sankalp: strengthening program Implementation and Monitoring to achieve Single-digit Neonatal Mortality., Ramesh K Agarwal, Bill and Melinda Gates Foundation, 3 Years, 2024-2027, Rs 850 Lakhs
82. Improving Survival in Childhood Acute Lymphoblastic Leukemia in India (ISCALL): ICiCLe Implementation Study, Rachna Seth, ICMR, 3 Years, 2024-2027, Rs 58.36 Lakhs
83. Integration of targeted gene sequencing in "BCR-ABL Like" pediatric acute lymphoblastic leukemia (ALL): Role of specific genetic alterations and their association with clinical presentation, outcomes and clonal diversity at relapse', Rachna Seth, ICMR, 3 Years, 2023-2027, Rs 79.27 Lakhs
84. Partnership in cancer survivorship optimization (PICASSO), Rachna Seth, Indian cancer society, ongoing, 2021-2024, Rs 12.60 Lakhs
85. ICiCLe- ALL-24- The Indian Collaborative Childhood Leukaemia Randomised Trial for Children and Adolescents with Acute Lymphoblastic Leukaemia 2024, Rachna Seth, ICMR, 4 Years, 2024-2028, Rs 68.18 Lakhs

Completed

1. 4453NeoAMR Global neonatal sepsis observational study (NeoOBS): a prospective cohort study of sepsis in hospitalized neonates., Kajal Jain, Global Antibiotic Research and Development Partnership (GARDP), 3.5 Years, 2021-2024, Rs 68 Lakhs
2. Adapting WHO's Essential newborn care course training package for Timor - Leste, Anu Sachdeva, WHO, 1 Year, 2023-2024, Rs 9.20 Lakhs
3. An observational study - Association of Serum Antiseizure Medication Levels with Behavior and Cognition in Children and Adolescents Aged 6–17 Years with Pharmaco-Responsive Non-Lesional Epilepsy, Sheffali Gulati-Co-Investigator, AIIMS UG Mentorship, 1 Year, 2021-2022, Rs 2 Lakhs
4. Apex skill lab for simulation and skill development MNCH", Anu Sachdeva, UNICEF, 1 Year, 2023-2024, Rs 22.83 Lakhs
5. Community sensitization regarding children with neurological and developmental conditions using a multimodal approach, Sheffali Gulati-PI, DST-STEMM, 1 Year, 2022-2023, Rs 32.95 Lakhs
6. Contribution of Copy Number and Sequence Variants in Cilia and Sonic Hedgehog Pathway Genes in the Formation of AVSD in Down Syndrome, Rashmi Shukla, ICMR, 3 Years, 2020-2024, Rs 65 lakhs
7. Developing training modules on common clinical procedures in pediatric oncology, Rachna Seth, WHO, 6 Years, 2024-2024, Rs 11.33 Lakhs
8. Developmental screening program for children in primary healthcare settings, with the second phase pending funding, Sheffali Gulati, WHO-funded, 1 Year, 2022-2023, Rs 19.97 Lakhs
9. Essential newborn care course field testing in India, Ramesh Agarwal, WHO, 1 Year, 2023-2024, Rs 20 Lakhs
10. Evaluation of read through compounds for nonsense suppression of ATM mutations in Indian patients, Rashmi Shukla, ICMR, 3 Years, 2020-2024, Rs 45 Lakhs
11. Ex vivo Correction of ATM Splice Variants Using Antisense Oligonucleotide, Rashmi Shukla, ICMR, 3 Years, 2019-2024, Rs 16 Lakhs

12. Exploring presence of SMN hybrid genes using molecular approaches in Spinal Muscular Atrophy (SMA) patients, Amita, AIIMS- Intramural, 2 Years, 2022-2024, Rs 10 Lakhs
13. ICMR Centre for Advanced Research in Children disease, Rakesh Lodha, ICMR, 6 Years, 2018-2024, Rs 636.85 Lakhs
14. Implications of PD-1/PD-L1 Pathway: A New Immunological Paradigm for Juvenile Idiopathic Arthritis, Narendra Kumar Bagri (Co-PI), Science and Engineering research board (SERB), India, 2 Years, 2022-2024, Rs 32 Lakhs
15. Infectious and genetic triggers in children with hemolytic uremic syndrome, Arvind Bagga, Aditi Sinha, ICMR, 3 Years, 2021-2024, Rs 87.19 Lakhs
16. Neuromodulation of Cortical Excitability and Plasticity by Low-Frequency Repetitive Transcranial Magnetic Stimulation in Infantile Hemiplegic Cerebral Palsy Patients, Sheffali Gulati- Co-PI, ICMR-funded, 4 Years, 2019-2023, Rs 46.53 Lakhs
17. Setting up registry and targeted exome sequencing in children with renal tubular disorders: Indian Council of Medical Research (ICMR), 2021-2024, Arvind Bagga, Aditi Sinha, ICMR, 3 Years, 2021-2024, Rs 158.67 Lakhs
18. Short-term study on incentive spirometry in DMD, Sheffali Gulati - mentored, AIIMS, 1 Year, 2021-2022, Rs 5 Lakhs
19. The differential gain of fat and lean mass during first six months of life in healthy preterm infants: Determinants and impact on subsequent health, Vandana Jain, ICMR, 3.5 Years , 2021-2025, Rs 27.5 Lakhs
20. To explore the role of synovial fluid proteomics in predicting the disease course and subtypes of juvenile idiopathic arthritis, Narendra Kumar Bagri, ICMR, 3 plus extension, 2019-2024, Rs 42.13 Lakhs
21. To Study the Prevalence of Celiac Disease and Non-Celiac Gluten-Related Disorders in Children with ASD, Sheffali Gulati- Co-Mentor, AIIMS, 1 Year, 2021-2022, Rs 1.76 Lakhs
22. Translation Research Consortium for establishing platform Technologies to support Prophylactic and Therapeutic Strategies for Dengue Discovery to Proof-of-Concept, Rakesh Lodha, BIRAC, 6 Years, 2019-2025, Rs 161 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Case Control Study to explore the feeding problems and challenges faced by parents of children with Cerebral Palsy at AIIMS DELHI.
2. A cross-sectional study to ascertain the prevalence and determinants of hypothalamic-pituitary-adrenal (HPA axis) suppression in pediatric patients with nephrotic syndrome receiving long-term corticosteroid therapy (AIIMS undergraduate research project)
3. A Descriptive study to explore the feeding problems, it's impact and challenges faced by parents of children with Cerebral Palsy attending the at AIIMS, Delhi
4. A pilot open label RCT to examine the superiority of the combination of tacrolimus and rituximab versus tacrolimus alone in inducing complete remission in patients with steroid resistant nephrotic syndrome (DM thesis)
5. A prospective observational study to study B-cell, T-cell and Immunoglobulin reconstitution after autologous hematopoietic stem cell transplant in pediatric patients (MD Thesis)
6. A single centre cross sectional study of distribution of co morbidities in children and adolescents with ASD
7. A Study of Changes in Gut Microbiome Through Induction and Consolidation Chemotherapy In Children with High Risk Acute Lymphoblastic Leukemia
8. Agreement between home-based videos and in-clinic videos for General Movement assessment in high-risk infants for predicting occurrence of Cerebral Palsy and risk of autism spectrum disorder at 12 months age: A longitudinal observational study
9. Agreement between home-based videos and in-clinic videos for General Movement assessment in high-risk infants for predicting occurrence of Cerebral Palsy and risk of autism spectrum disorder at 12 months age: A longitudinal observational study
10. Agreement between nested multiplex polymerase chain reaction (Biofire®) and conventional blood cultures in neonates suspected to have sepsis.

11. An open label pilot RCT to demonstrate the superiority of high volume over standard volume therapeutic plasma exchange in pediatric patients with acute liver failure and hepatic encephalopathy (MD thesis)
12. Assessing microcirculation and its response to different fluid volumes in children with septic shock. (PI)
13. Assessment of the recurrence of apnea after caffeine discontinuation in Apnea of prematurity.
14. Association of air quality with prevalence of sleep disorders in children and adolescents aged 2-18 years- A comparative observational study
15. Baseline cyst size guided increase in duration for steroid therapy in viable parenchymal Neurocysticercosis: A pilot prospective interventional study
16. Bicarbonate versus hypertonic saline nebulization for improving lung function in children with cystic fibrosis: A randomized controlled trial
17. Body composition, muscle strength and exercise tolerance in adolescent girls with PCOS: A Case Control Study
18. "Combination of intravenous fentanyl and ketamine vs intravenous fentanyl for analgesia during laser photocoagulation in retinopathy of prematurity in preterm neonates: A randomized controlled trial".
19. Comparing the diagnostic utility of 18F-FDG PET/CT with bone marrow biopsy in detecting bone marrow metastases in newly diagnosed Neuroblastoma (DM thesis)
20. Comparison of Acetate-based, Lactate-based and Multiple Electrolyte Solution versus saline (MeSLAc trial) in pediatric septic Shock- A Multicenter randomized controlled trial. (PI)
21. Comparison of reconstituted blood with 40 t 5% versus 60 t 5% hematocrit for double volume exchange transfusion in neonates with hemolytic disease of the newborn: a randomized controlled trial.
22. Comparison of risk factors plus sepsis screen-based approach (AIIMS protocol) and National Neonatology Forum – Clinical Practice Guidelines (NNF-CPG) recommendations for the management of asymptomatic neonates with risk factors of early-onset sepsis: An ambispective observational study
23. Comparison of three methods of oxygen supplementation during flexible bronchoscopy in children: A randomized controlled trial
24. Comparison of two methods of estimation of the length of umbilical arterial and venous catheter insert ion: A Randomized trial
25. Correlation between albumin and protein excretion in spot and 24-hour urine samples in pediatric glomerular diseases (MD thesis)
26. Cost Estimation of Neonatal Care Packages Provisioned under the Ayushman Bharat Pradhan Mantri January Arogya Yojana: A Cost Descriptive Study.
27. Defining relapse with asymptomatic seven-day nephrotic range proteinuria in steroid sensitive nephrotic syndrome to reduce steroid therapy usage: a prospective interventional study (DM thesis)
28. Developing a stepwise approach to diagnose pediatric sleep disorders: A questionnaire, actigraphy and polysomnography based observational study
29. Developing a stepwise approach to diagnose pediatric sleep disorders: A questionnaire, actigraphy, and polysomnography based observational study
30. Development and validation of a comprehensive module for management of sleep disorders in children with autism spectrum disorder aged 4-10 year: a pre and post intervention study
31. Development and validation of a comprehensive module for management of sleep disorders in children with autism spectrum disorder aged 4-10 year: a pre and post intervention study
32. Development and validation of a predictive score for low bone mineral density in children with juvenile idiopathic arthritis
33. Diagnostic agreement of initial presentation with latest follow up and evaluation of neurobehavioral outcome in pediatric onset CNS acquired demyelination syndrome: an ambispective observational study.
34. Diagnostic and treatment gap in Neurodevelopmental Disorders in children aged 1 month to 18 years: An observational study
35. Diagnostic performance of visual assessment of bilirubin and transcutaneous bilirubinometry in detecting rebound hyperbilirubinemia requiring phototherapy re-initiation in neonates.

36. Diagnostic utility of Bronchoalveolar lavage galactomannan for invasive pulmonary aspergillosis in children
37. Diagnostic yield of exome sequencing in euploid fetuses and neonates with antenatally- detected brain malformations.
38. Diagnostic yield of genome sequencing after a negative exome analysis in patients with undiagnosed genetic disorders
39. Disease phenotypes in neonates with severe bronchopulmonary dysplasia: a descriptive cohort study.
40. Effect of ambient air pollution on asthma control and quality of life of asthmatic children of Delhi: a prospective study
41. Effect of different materials of storage containers (polypropylene, plastic storage bags, stainless steel, and glass) on caloric content of donor human milk.
42. Effect of maternal obesity and post-partum lifestyle intervention on infant adiposity– A Nested RCT within a cohort study
43. Effect of rituximab on anti-nephrin antibody titers in patients with difficult-to-treat nephrotic syndrome (Undergraduate; STS project)
44. Effects of Chemotherapy on CSF and serum Inflammatory Biomarkers and their corelation with neurocognitive function in newly diagnosed children with acute lymphoblastic leukemia
45. Efficacy and Safety of Sirolimus in the Management of Pediatric Vascular Tumors and Malformations- A Prospective Study" (DM thesis)
46. Efficacy of Modified Atkin's Diet as add-on therapy in comparison with standard of care in children with autism spectrum disorder: A Randomized Controlled Trial
47. Efficacy of Modified Atkin's Diet as add-on therapy in comparison with standard of care in children with autism spectrum disorder: A Randomized Controlled Trial
48. Efficacy of oral route supportive care regimen versus conventional intravenous hydration during high dose methotrexate chemotherapy in children with haematolymphoid malignancies: An Open-Label Randomised Non – inferiority Trial (DM thesis)
49. Efficacy of oral torsemide versus oral furosemide in management of edema in patients with nephrotic syndrome: an open-label superiority randomized controlled trial (DM thesis)
50. Evaluation of genomic trajectory of pediatric acute myeloid leukemia from diagnosis to relapse. (PhD Thesis)
51. Evaluation of plasma Neurofilament - Light in Niemann pick disease type A, B and A/B.
52. Evaluation of the involvement of selected environmental pollutants on certain neurological disorders
53. Evaluation of the involvement of selected environmental pollutants on certain neurological disorders
54. Gender role behavior and puberty-related issues in children and adolescents (8-19 years) with classical 21-hydroxylase deficiency Congenital Adrenal Hyperplasia with 46 XX karyotype: A Cross-sectional analytical study
55. Genetic characteristics of "B-other" acute Lymphoblastic leukemia and impact on early response to chemotherapy
56. Gut microbiome of very preterm neonates receiving mothers own milk and donor human milk: a prospective observational study.
57. High (10mg/kg/day) Vs. standard maintenance dose (5mg/kg/day) of caffeine on the incidence of caffeine therapy failure in preterm infants of <32 weeks gestational age: An Open label, parallel group, superiority randomised controlled trial.
58. Hypothalamic Syndrome in pediatric patients treated for Craniopharyngioma: a cross-sectional study
59. Impact of air quality on the effectiveness of standard of care therapy in children with autism spectrum disorder: A prospective longitudinal study
60. Impact of air quality on the effectiveness of standard of care therapy in children with autism spectrum disorder: A prospective longitudinal study
61. Improving clinical care delivery by increasing adherence to "Diabetes care index" checklist in children with Type 1 diabetes in an outpatient department: A Quality Improvement study

62. Improving the uptake of evidence-based practices to increase milk output in mothers of neonates born before 32 weeks' gestation: A quality improvement study.
63. Incidence and Factors Contributing to Delayed Antibiotics Administration In Febrile Neutropenia In Children Receiving Chemotherapy
64. Incidence, risk factors and outcomes of post intensive care syndrome at discharge in critically ill children (Dr Sunidhi Shalini Sa JR, Dr Jhuma Shankar July 24)
65. Intranasal steroids alone and in combination with levocetirizine, and/or montelukast for moderate to severe allergic rhinitis in children: a randomized controlled trial
66. Long term efficacy and safety of oral dapagliflozin in reducing proteinuria in children with proteinuric chronic kidney disease (MD thesis)
67. Longitudinal study of clinical outcomes of children and adolescents aged 2-16 years with rachitic coronal knee deformities over 12-18 months
68. Mobile Observed Inhalational Therapy in Poorly Controlled Asthma in Children (MOBIT): A Randomized Controlled Trial
69. Multimodal Management of stage II and III extraocular retinoblastoma: An Interventional pilot study
70. Nebulized salbutamol and hypertonic saline versus nebulized salbutamol and normal saline in the treatment of children with acute exacerbation of asthma: A Randomized controlled trial
71. Neurodevelopmental Outcomes in Children with Congenital Adrenal Hyperplasia
72. Neurofilaments and Creatinine as Biomarkers in Spinal Muscular Atrophy: An Observational Study
73. Neurofilaments and Creatinine as Biomarkers in Spinal Muscular Atrophy: An Observational Study
74. Neurofilaments and Creatinine as Biomarkers in Spinal Muscular Atrophy: An Observational Study (DM thesis)
75. Newborn screening for Spinal muscular atrophy -A pilot study
76. "No-CPAP" versus "CPAP" in late preterm and term neonates with mild respiratory distress: A non-inferiority parallel group open-label randomized controlled trial.
77. Olanzapine versus Aprepitant for prevention of chemotherapy induced nausea and vomiting in children receiving highly emetogenic chemotherapy: A Randomized Open Label Trial" (DM thesis)
78. Oral vs IV antibiotics in low risk Febrile Neutropenia
79. Outcomes of primary vesicoureteric reflux in children, aged 10-18 years (MD thesis)
80. Plasma levels of zonulin and anti-tissue transglutaminase in children with idiopathic steroid sensitive nephrotic syndrome (Undergraduate; IAP project)
81. Plasma Lyso-Gb1 Concentration by Mass Spectrometry in Gaucher disease: Correlation with Disease Severity and Genotype
82. Prevalence ambulatory hypertension in pediatric chronic kidney disease (CKD): Comparison of prevalence in patients with glomerular and non-glomerular etiology of CKD and of antihypertensive efficacy of different medication classes (undergraduate research project)
83. Prevalence and risk factors of functional iron deficiency anemia in CKD 2-5D (MD thesis)
84. Prevalence of disease damage in childhood systemic lupus erythematosus
85. Prevalence of Hypertension in preschool children (2-5 years) born VLBW and predictors thereof.
86. Prevalence of Menstrual Irregularity in Adolescent Girls- A Cross-Sectional Study
87. Prevalence of Prodromal Parkinsonism in a cohort of *GBA1* carriers
88. Profile of Venous Excess Ultrasound Grading System (VExUS) and its association with acute kidney injury and fluid overload in children with sepsis: A pilot study
89. Quality improvement initiative on implementation of protocolized management of sedation analgesia in critically ill children: focus on prevention of withdrawal syndrome
90. Role of Liquid biopsy in Diagnosis, Risk Stratification and Response monitoring in Neuroblastoma"

91. Role of SH2B3 gene in pediatric myeloid malignancies (PhD Thesis -Dr Ravi Kumar Majhi under Dr Aditya Kumar Gupta)
92. Role of T-Helper 17 and T Regulatory cells in Gaucher disease with bone involvement: A Pilot study
93. Role of water-soluble vitamin D buccal spray vs. conventional oral cholecalciferol in optimizing vitamin D levels in children with chronic cholestasis
94. Romiplostim for enhancing platelet recovery in pediatric patients post HSCT -an open labelled RCT(DM Thesis)
95. Secondary Apnea in Preterm Neonates (28–34 Weeks): Incidence, Associated Factors, and Algorithm Development.
96. SECTIONAL STUDY
97. Severe sepsis in children: clinical and immunological phenotypes. (PI)
98. Systematic review and meta-analysis: Accuracy of equations for estimating glomerular filtration rate in children with chronic kidney disease
99. Systematic review and meta-analysis: Efficacy and safety of cyclophosphamide in preventing relapses in children with steroid sensitive nephrotic syndrome (undergraduate students' project)
100. The Prognostic Significance of Circulating Tumour Cells in Peripheral Blood and Bone Marrow by flowcytometry in
101. Children with Ewing Sarcoma" (DM thesis)
102. To analyses the efficacy of Ethosuximide and Perampanel as an add-on therapy in children with DEE-SWAS aged 4 to 12 years: A multi arm, open label parallel design randomized controlled trial
103. To analyze the efficacy of Ethosuximide and Perampanel as an add-on therapy in children with DEE-SWAS aged 4 to 12 years: A multi arm, open label parallel design randomized controlled trial"
104. To compare the efficacy of Intranasal Dexmedetomidine vs oral Melatonin vs oral Triclofos as procedural sedative for drug induced sleep EEG in children: A double-blind, parallel design, randomized clinical trial
105. To compare the efficacy of Intranasal Dexmedetomidine vs oral Melatonin vs oral Triclofos as procedural sedative for drug induced sleep EEG in children: A double-blind, parallel design, randomized clinical trial
106. To determine the predictors of breastfeeding failures in late preterm infants at 6 weeks of postnatal age - a prospective cohort study.
107. TO ESTIMATE THE PREVALENCE OF NAILFOLD CAPILLAROSCOPIC CHANGES IN CHILDREN (AGED <18YEARS) WITH SYSTEMIC LUPUS ERYTHEMATOSUS: A CROSS, To study the association of nailfold capillary density with disease activity in children with juvenile dermatomyositis
108. Tofacitinib for calcinosis cutis associated with juvenile dermatomyositis: an open label single arm study
109. Utility of RNA-Sequencing in solving non-diagnostic exomes and genomes in rare Mendelian disorders
110. Validation of AMANHI GA tool in prediction of gestational age in newborns - A prospective diagnostic study.
111. Validation of three clinical prediction scores for predicting bronchopulmonary dysplasia (BPD) in Indian preterm neonates-An ambispective cohort study

Completed

1. A comparison of modulating effect of cTBS and low frequency rTMS on cortical excitability in children and adolescents aged 5-14 years with Lesional Drug refractory Epilepsy (Focal epilepsy or electrical status epilepticus in sleep): An open label randomized non-inferiority crossover study
2. A multimodality assessment of brain metabolism, microstructural organization and neuroinflammation in Subacute Sclerosing Panencephalitis: a cross- sectional observational study. Funded by: AIIMS UG research mentorship scheme Grant amount: 2, 00, 000
3. A Randomized Sham Controlled Trial of Targeted Low Frequency rTMS Therapy in Childhood and Adolescent Focal Onset Refractory Epilepsy.
4. Analysis of predictors of response to hormonal therapy in children with treatment naive West Syndrome with qEEG, serum biomarkers, fMRI and DTI: An observational study

5. Assessing the setting up of a multidisciplinary care model for management of children with Disorders of Sex Development, and its impact on the perceived quality of care: An implementation research
6. Azithromycin as a immunomodulator in children with acute respiratory distress syndrome – randomized double blinded placebo controlled trial
7. Changes in selective echocardiographic parameters in preterm neonates less than thirty-seven weeks of gestation with fluid refractory shock after initiation of epinephrine infusion: a prospective study"
8. Childhood and Adolescent Sleep Awareness in Caregivers and Health care Professionals: A Community and Hospital Based Survey
9. Coagulation dysfunction as assessed by thromboelastography in critically sick children with severe sepsis
10. Comparison of efficacy of ketogenic diet and ACTH among children with west syndrome: A pilot randomized control trial
11. Comparison of oxidative biomarkers between autism spectrum disorders and Typically Developing children between 2 – 18 years of age
12. Comparison of risk factors plus sepsis screen-based approach (AIIMS protocol) and National Neonatology Forum – Clinical Practice Guidelines (NNF-CPG) recommendations for the management of asymptomatic neonates with risk factors of early-onset sepsis: An ambispective observational study- ongoing
13. Correlation of ciliary function and structure with specific mutations in patients of Primary Ciliary Dyskinesia
14. Correlation of sleep architecture with cognition, behavior and executive function in children and adolescents aged 5 – 18 years with pharmaco-responsive non-lesional epilepsy: An observational study.
15. Cortical excitability in children aged 5 to 12 years with Electrical Status Epilepticus in Sleep (ESES) compared to non-epileptic healthy children using Transcranial Magnetic Stimulation
16. COVID-19 in children – post COVID sequelae (IRG project) (PI)
17. Development and validation of a prediction model based on machine learning for early recognition of multi-drug resistance in newborns with sepsis admitted in a tertiary health centre
18. Development of a questionnaire-based tool to measure patient reported outcome in children with epileptic encephalopathy.
19. Development of a questionnaire-based tool to measure patient reported outcome in children with epileptic encephalopathy
20. Diagnostic agreement of initial presentation with latest follow up and evaluation of neurobehavioral outcome in Pediatric onset acquired demyelinating syndrome: An ambispective observational study.
21. Diagnostic utility of serum Inhibin B and Anti-Mullerian Hormone in 46, XY disorder of sex development (DSD)
22. DTI, fMRI and qEEG correlates of cognition and behavior in children and adolescents with well controlled nonlesional epilepsy: An observational study
23. Early antiseizure medication tapering in children and adolescents aged 2-18 years with single calcified parenchymal neurocysticercosis in a low-risk subgroup identified by risk assessment: a single arm intervention study
24. Efficacy and safety of oral dapagliflozin in reducing proteinuria in children with proteinuric chronic kidney diseases (MD thesis)
25. Efficacy and safety of oral desidustat in children with anemia of chronic kidney disease (DM thesis)
26. Efficacy of repetitive transcranial Magnetic Stimulation (rTMS) as an adjunct to AI enabled remedial Intervention in school going children (aged 6-18 years) having specific learning disorder with dyslexia
27. Efficacy of repetitive transcranial magnetic stimulation in children and adolescents (5-18 years) with generalized dystonia: A randomized sham-controlled trial. (CTRI/2022 January 039806)
28. Efficacy of repetitive transcranial magnetic stimulation in children and adolescents (5-18 years) with generalized Dystonia: a randomized sham-controlled trial
29. Estimating the incidence and pattern of paradoxical reactions in CNS tuberculosis

30. Estimating the prevalence of sensory processing abnormalities in children aged 3-15 years with cerebral palsy using the sensory profile caregiver questionnaire 2: a cross-sectional observational study.
31. Etiological evaluation of microcephaly in young infants
32. Evaluation of repetitive Transcranial Magnetic Stimulation as an adjunct to modified Constraint Induced Movement Therapy in improving Upper Limb Function in Children with Hemiparetic Cerebral palsy aged 5-18 years - A Randomized Controlled Trial.
33. Evaluation of Theta Burst Transcranial Magnetic Stimulation as an adjunct to standard therapy in improving core function deficits in children 5–15-year age with autism spectrum disorder-a randomized, double blind, sham controlled trial
34. Fat gain trajectory from birth to 6 months in healthy term SGA infants, and its effect on serum insulin, IGF-1 and adiponectin at 2 years of age
35. Five Days Versus Fourteen Days Oral Dexamethasone in Children and Adolescents (aged 5-18 years) with Parenchymal Neurocysticercosis (up to 5 lesions): An Open Labelled Clustered Randomized Superiority Trial
36. Gastrointestinal dysfunction in children with septic shock (DM thesis) (completed)
37. Genotype phenotype correlation in Indian children with morquio syndrome
38. High speed video microscopy in immotile cilia syndrome (DM thesis).
39. Inadequate weight gain and factors associated with it among exclusively breastfed term neonates by 10-14 days of life: A cross-sectional study
40. Incidence of respiratory syncytial virus (RSV) infection until first 6 months of corrected age in preterm infants (<32 weeks' gestation) with bronchopulmonary dysplasia: A prospective cohort study
41. Ketamine versus fentanyl for sedation during endotracheal intubation in acutely ill children (DM thesis).
42. Neural correlates of Primary Monosymptomatic Nocturnal Enuresis: an autonomic function testing and polysomnography-based study
43. Neurological outcomes in critically ill children (MD thesis) (completed).
44. Optimal EEG duration in children and adolescents with seizures: An observational study
45. Performance of creatinine and cystatin-based estimated glomerular filtration rate (GFR) equations in children with steroid resistant nephrotic syndrome (MD thesis)
46. Phenotypic spectrum and treatment outcomes of patients with Gaucher disease
47. Prevalence of disorders of sodium homeostasis and its association with short-term outcome in children with tuberculous meningitis: A hospital based longitudinal study.
48. Prevalence of immuno-paralysis in children with severe sepsis
49. Prevalence of Metabolic syndrome in children with Down syndrome
50. Procalcitonin guided antibiotic therapy in children. Jhuma Sankar. (PI)
51. Role of Nerve Ultrasound as a Prognostic Modality in Children with Guillain-Barré Syndrome (Age 2-18yrs): A Prospective Observational Study. Candidate
52. Single arm intervention study of low frequency repetitive transcranial magnetic stimulation (rTMS) therapy in steroid resistance /relapsed ESES in children aged 5-12 years
53. Sleep related breathing disorders in children with dystrophin Pathy aged 5-18 years on oral steroids for at least 6 months: A cross-sectional study
54. Thromboelastography to assess coagulation disturbances in critically ill children (DM thesis).
55. To determine the rate of optimal tip position by Ultrasound-guided UVC insertion compared to historical cohort (A single Arm intervention study).
56. To validate an empiric tool to predict neurological outcome among PICU patients and, study association of biomarkers S100B and NSE with neurological outcomes in critically ill patients
57. Transbulbar ultrasound of Optic Nerve Sheath Diameter in critically ill children with and without raised ICP (MD
58. Utility of ultrasound in confirming position of endotracheal tube in critically ill children (completed in 2022) (MD thesis).

Collaborative projects

Ongoing

1. “Effect of Mitochondrial fatty acid shuttle system mediated Endoplasmic reticulum stress on follicular dynamic in Premature Ovarian Insufficiency”, Department of Reproductive Biology, AIIMS, Delhi Ongoing
2. A cross-sectional descriptive study to evaluate extra-systemic and cutaneous involvement of children and adults with inherited epidermolysis bullosa, Dermatology
3. A Descriptive study to explore the feeding problems, its impact and Challenges faced by parents of Children with Cerebral Palsy at Pediatrics OPD, MSc, Nursing
4. A multi-center, open-labelled trial to evaluate the sensitivity and specificity of DSM IV TR and DSM 5 in diagnosis of autism spectrum disorder, 5 sites across India
5. A multimodality assessment of brain metabolism, microstructural organization and neuroinflammation in Subacute Sclerosing Panencephalitis: A pilot study, AIIMS intramural
6. A randomised controlled pilot study to evaluate the effect of systemic omalizumab as compared to that of nasal corticosteroids & antihistaminics on adenoid hypertrophy in symptomatic pediatric patients, ENT, New Delhi
7. A randomized controlled pilot study to evaluate the effect of systemic omalizumab as compared to that of nasal corticosteroids & amp; antihistaminic on adenoid hypertrophy in symptomatic pediatric patients, collaboration with MS ENT
8. A Study of Microbial Infection in the pathogenesis of systemic inflammation and organ failure in patients with acute pancreatitis, Department of Gastroenterology, AIIMS, New Delhi
9. Adolescent Sexual Abuse: Modification of Multidimensional Scale for Child Sexual Abuse (MSCSA) and a Randomized Feasibility Trial of a Trauma - Focused Cognitive Behaviour Therapy Intervention, Psychiatry
10. Adverse Perinatal Outcomes In Pregnancies with Small for Gestational Age Fetuses not meeting Criteria For Fetal Growth Restriction by Delphi Consensus as compared to Growth Restricted and Appropriately Grown Fetuses, Department of Obstetrics and Gynaecology, AIIMS New Delhi
11. Air Pollution Impact on Pregnancy and Early Childhood Development in India (ICMR-funded), Community Medicine, AIIMS, New Delhi
12. Anti-nephrin antibodies in children with idiopathic nephrotic syndrome, Translational Health Science and Technology Institute, Faridabad
13. Assessing the biomarker potential of Saliva-derived small extracellular vesicles and neuroprotective role of MSC-derived small extracellular vesicles in autism spectrum, PhD Stem cell facility.
14. Association between DNA Telomere Length in Peripheral Blood Leukocytes and Post-Operative Cognitive dysfunction (POCD)and Delirium (POD) in Elderly patients undergoing Major Orthopaedic surgery under General Anesthesia: A Prospective, Department of Anesthesia, AIIMS, Delhi Ongoing
15. Association of serum antiseizure medication levels with behavior and cognition in children and adolescents aged 6-17 years with pharmaco-responsive non-lesional epilepsy: An observational study, AIIMS, UG Mentorship Grant
16. Biological Mechanisms in Wilms Tumor development, progression and Therapeutic Response” (PhD), Pediatric Surgery
17. Clinical Practice guidelines for management of Juvenile Idiopathic arthritis for South-east Asia, Asia Pacific League of associations for Rheumatology
18. Clinicodemographic profile and outcomes in intraocular retinoblastoma with treatment responders and non-responders, Ophthalmology
19. Clinico-Sero-Pathological classification and pathogenesis of Idiopathic inflammatory myopathies., Pathology
20. Community based assessment of disability among adult population in Delhi using WHO International Classification of Functioning, Department of Community Ophthalmology, AIIMS, New Delhi
21. Cortical Transcranial Magnetic Stimulation a Promising Biomarker and therapeutic modality to induce Synaptic Plasticity in Cerebral Palsy Children with Single and Paired Pulses Paradigm., Department of Physiology, AIIMS, New Delhi

22. COVID-19 Pandemic in Children: A study on neurological manifestations of COVID-19 and Multisystemic Inflammatory Syndrome in Children (MIS-C) in children aged up to 18 years and psycho-social issues in children aged up to 18 years with pre-existing neurological disorders during the pandemic**",** collaboration with multicenter
23. COVID-19 Pandemic in Children: A study on neurological manifestations of COVID-19 and Multisystemic Inflammatory Syndrome in Children (MIS-C) in children aged up to 18 years and psycho-social issues in children aged up to 18 years with pre-existing neurological disorders during the pandemic, collaboration with multicenter
24. Cross sectional Hospital based study to assess prevalence of knee deformities in children and its correlation with Nutritional Status and regulators of bone metabolism, Orthopedics
25. Culture of nasal epithelial cells for diagnosis of Primary Ciliary Dyskinesia, JNU, New Delhi, IGIB New Delhi
26. Developing models based on biomarker signature and clinico-electroencephalographic parameters to predict severity and outcome in pediatric status epilepticus: a longitudinal observational study, DHR
27. Development of real time PCR Technique using the CotH gene as target for early diagnosis of Mucormycosis", Microbiology
28. Differentiating monophasic and recurrent acquired demyelinating disorders of childhood and adolescence: an HLA typing, serum and CSF inflammatory biomarkers based longitudinal observational study, AIIMS intramural
29. Disorders of Sex Development (DSD): utility of transperineal ultrasound and magnetic resonance imaging, Radiodiagnosis and Interventional radiology
30. Effect of Mitochondrial shuttle system mediated endoplasmic reticulum stress on follicular dynamic in premature ovarian insufficiency, Reproductive Biology
31. Effectiveness of a structured paediatric to adult management transition intervention to improve adherence to diabetes care and clinical outcomes among Type 1 Diabetes Mellitus (T1DM) patients in India" – PATHWAY trial, Endocrinology
32. Efficacy of IV rituximab versus oral mycophenolate mofetil in sustaining remission in steroid-resistant nephrotic syndrome maintained on calcineurin inhibitors for more than two years: An open-label randomized controlled trial, Maulana Azad Medical College, Delhi; Vardhaman Mahavir Medical College, Delhi; Lady Hardinge Medical College, Delhi; Chacha Nehru Bal Chikitsalaya, Delhi; AIIMS, Bhopal; AIIMS, Jodhpur; St John Hospital Bengaluru; SAT, Thiruvananthapuram
33. Efficacy of low dose, short course prednisolone regimen for relapse of steroid sensitive nephrotic syndrome in children: A multicenter, randomized, placebo-controlled trial, Maulana Azad Medical College, Delhi; Vardhman Mahavir Medical College, Delhi; Lady Hardinge Medical College, Delhi; Chacha Nehru Bal Chikitsalaya, Delhi; AIIMS, Bhopal; AIIMS, Jodhpur; St John Hospital Bengaluru; SAT, Thiruvananthapuram
34. Evaluation of endocrine, reproductive, metabolic, musculoskeletal parameters of subjects with congenital adrenal hyperplasia (CAH), Endocrinology
35. Evaluation of novel Dipstick-Based molecular techniques for early detection of Gram-Negative ESKAPE (KAPE) organisms and antimicrobial resistance genes in Burn wounds, Plastic Reconstructive & Burns Surgery, AIIMS, New Delhi
36. Evaluation of the involvement of selected environmental pollutants on certain Neuronal diseases, Ocular Pharmacology and Pharmacy, RPC, AIIMS, New Delhi
37. Gamma knife in refractory/recalcitrant Intraocular RB, Ophthalmology
38. Genetic analysis by whole exome sequencing in children with 46, XY DSD, Reproductive Biology
39. Global Parity, secondary analysis, Pediatric Acute Lung Injury and Sepsis investigators, USA
40. Host inflammatory response and its correlation with paradoxical worsening in childhood tubercular meningitis, AIIMS intramural
41. Idiopathic inflammatory myositis-interstitial lung disease project (IIM-ILD), Myositis clinical trials consortium
42. Infectious and genetic triggers in children with hemolytic uremic syndrome, Institute of Liver and Hepatobiliary Sciences, Delhi
43. Infectious and genetic triggers in children with hemolytic uremic syndrome, Institute of Liver and Hepatobiliary Sciences, Delhi

44. Joint Attention and 3D Motion and Depth Perception Using Virtual and Augmented Reality Techniques, IIT, New Delhi
45. Juvenile Systemic sclerosis classification criteria development, Pediatric International consortium for scleroderma
46. KIWI study: Comparison of Kobayashi and Kawanet IVIG resistance scores in a multi-centric European and North Indian cohort of Kawasaki disease, Pediatric Rheumatology European Society
47. Metformin for drug-resistant epilepsy: A randomized double-blind placebo-controlled trial, collaboration with multicenter
48. Multicentric collaborative study of the national registry for rare disorders in India, ICMR
49. Multimodal evaluation of neural network and neuroinflammatory nexus of Electrical status epilepticus in sleep (ESES) in children, AIIMS intramural
50. National registry on COVID 19 infection among pregnant women and their neonates- A three years ICMR study, Department of Obstetrics and Gynaecology
51. Neuro developmental outcomes in infants undergoing surgery for congenital heart defects – A prospective multi-center cohort study. ICMR study 2020 onwards, Pediatric Cardiology
52. Neurofilaments and Creatinine as Biomarkers in Spinal Muscular Atrophy: An Observational, Genetics
53. Pathological scoring systems for pediatric adrenocortical carcinoma, Pathology
54. Program on complement-mediated kidney diseases: Developing commercial ELISA and pipelines for genetic screening, identifying biomarkers, and refining therapies, Regional Center for Biodesign, Faridabad; ILBS, Delhi; CCMB, Hyderabad
55. Retinoblastoma (PhD,), Ophthalmology
56. Sepsis-related mortality in neonates in India: A multi-disciplinary, multi-institutional research program for context-specific solutions, THSTI, Faridabad; ICGEB, Delhi; NII; JNU; IGIB; CDSA; UCMS & GTB; SJH, Delhi; LHMC, Delhi
57. Study of cerebral edema, neuroinflammation and blood brain barrier disruption in Pediatric traumatic brain injuries, Neurosurgery (Fellowship)
58. Study of cryopreservation effects on sperm mitochondrial and nuclear DNA integrity and its influence on fertilization events, Department of Reproductive Biology, AIIMS, Delhi Ongoing
59. The Role of Crosstalk in between Wnt/β-catenin and PI3K/AKT/mTOR Signaling Pathway in Pediatric AML, Department of Hematology, AIIMS, Delhi
60. Therapeutic Efficacy of Multimodal Imaging-Guided Brain Network Modulation through Personalized, Multisession, High-density Transcranial Direct Current Stimulation in Drug-Resistant Focal Epilepsy: A Double-Blind Sham-Controlled Study., Department of Physiology, AIIMS, New Delhi
61. To compare efficacy and safety of Melatonin and Triclofos in inducing sleep in children posted for sleep deprived sleep EEG: A double blind, parallel design, randomized clinical trial. (CTRI/2020 February 023592), AIIMS intramural
62. To describe MRI patterns in various subtypes of Pediatric Acquired Demyelinating Syndrome at onset and follow-up, collaboration with MD, Radiodiagnosis
63. To determine the clinical and neuroimaging characteristics and outcomes of Febrile Infection-Related Epilepsy Syndrome (FIRES) in children", collaboration with multicenter
64. To evaluate the role of donor and recipient blood metabolomics in the monitoring and prognostication of paediatric patients undergoing hematopoietic stem cell transplantation, Department of Nuclear Magnetic Resonance, AIIMS, Delhi
65. To study outcomes of intravitreal Ranibizumab in Zone 1 Posterior vs. Zone 1 Anterior Aggressive Retinopathy of Prematurity (AROP), RPC Centre, Prof Parijat Chandra, AIIMS New Delhi
66. Use of 'My Whole Child; Child Health and Development Interactive System', a web-based platform for holistic evaluation and management of Indian children and adolescents up to 18 years of age; a tertiary center pilot study, Chadis, USA
67. Utility of rapid trio whole exome sequencing in critically ill children in the intensive care unit, Genetics

Completed

1. "A study on development of "Epilepsy care App" and assess its utility and satisfaction among parents of children with Epilepsy reporting at AIIMS, New Delhi" (IRG), Nursing College
2. A phase 2 double arm randomized trial comparing conventional radiotherapy alone Vs hypo fractionated radiotherapy with concurrent and adjuvant Temozolomide in patients with diffuse intrinsic pontine glioma, Department of Radiotherapy, AIIMS, New Delhi
3. Efficacy, safety and tolerability of Modified Atkins Diet in Adolescents and Adults with Drug Resistance Epilepsy: A Randomized Controlled Trial, Department of Neurology. AIIMS. New Delhi
4. A study to compare the anxiety, depression, and quality of life (QOL) among caregivers of children with cerebral palsy and those with typically developing children attending Pediatric Neuro OPD at AIIMS, New Delhi., MSc Nursing
5. A Study to evaluate the feeding practices of the mother infant dyads of 6 weeks to 2 years of age, at AIIMS, New Delhi., College of Nursing, AIIMS New Delhi
6. Community based assessment of disability among adult population in Delhi using WHO International Classification of Functioning, Department of Community Ophthalmology, AIIMS, New Delhi
7. Core outcomes set in pediatric critical care, Pediatric Acute Lung Injury and Sepsis investigators, USA
8. Cortical sources and connectivity in autism spectrum disorder: A QEEG study, Department of Physiology, AIIMS, New Delhi
9. Cystic Fibrosis in India: Prevalence, Mutation Profile and Development of Registry, Division of Pulmonology Department of Pediatrics, AIIMS, New Delhi, SKIMS, AIIMS Jodhpur Ongoing
10. Emotion Recognition Ability and Social Adaptive Behavior in children with autism spectrum disorder (ASD): A Study of Behavioral and Phenotypic linkage, PhD IIT Kanpur
11. ICMR Young Diabetes registry, Endocrinology
12. Impact of advanced paternal age and poor lifestyle on sperm epigenome: Possible etiology in autism spectrum disorder, Department of Anatomy, AIIMS, New Delhi
13. Interstitial lung disease in children, Division of Pulmonology Department of Pediatrics, AIIMS, New Delhi, SKIMS, AIIMS Jodhpur
14. Neurodevelopmental outcomes in children with cyanotic congenital heart disease following open heart surgery, Pediatric Cardiology
15. PALISI Global parity study on acute illnesses, Pediatric Acute Lung Injury and Sepsis investigators, USA
16. Prevalence of Teething Problems during Eruption of Primary Teeth- A prospective cohort study, Dental Sciences Block, AIIMS, New Delhi
17. Setting up registry and targeted exome sequencing in children with renal tubular disorders, All India Institute of Medical Sciences, Bhopal
18. Study of cerebral edema, neuroinflammation and blood brain barrier disruption in pediatric traumatic brain injuries., Neurosurgery
19. To describe MRI patterns in various subtypes of Pediatric Acquired Demyelinating Syndrome at onset and follow-up, Department of Radiodiagnosis, AIIMS, New Delhi
20. Understanding disease biology and diagnosis of bacterial sepsis in hospitalized neonates: a multi- centre study, THSTI, Faridabad and NCBS, Bengaluru
21. Whole body magnetic resonance imaging in assessment of disease activity and damage in children with JIA, Radiodiagnosis and Interventional Radiology, AIIMS, New Delhi

Research over the past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	11	15	81
Total funding	Rs 74.99 Lakhs	Rs 1196.86 Lakhs	Rs 14465 Lakhs

Publications

Journals: 155 **Abstracts: 49**

Chapters in Book: 35 **Books & Monographs: 02**

Publication over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**262**	**365**	**242**
Journal articles	171	282	155
Abstracts	15	44	49
Chapters in books	70	32	35
Books	6	7	02

PATIENT CARE

Pediatric Endocrinology Division

(a) Special clinics and laboratory facilities

- Pediatric Endocrinology Clinic: The common endocrine disorders in children that we manage include Growth Hormone Deficiency, Congenital or acquired hypopituitarism, Hypothyroidism, Type 1 Diabetes Mellitus, Rickets, Pubertal disorders, adrenal insufficiency and excess, Vitamin D and Parathormone deficiency and excess and obesity and metabolic syndrome.
- Multidisciplinary clinic for disorders of sex development (DSD): This is a new facility in collaboration with Departments of Pediatric Surgery and Psychiatry for one-stop integrated assessment and care of children with DSD.
- We developed active collaboration for early corrective surgeries for bony deformities in children with rickets with the Department of Orthopedics with dedicated joint follow-up.
- Pediatric Endocrinology Lab: The following hormonal assays are being done in Department of Pediatrics: Growth Hormone, 25 Hydroxy-vitamin D, PTH, Cortisol and Insulin, using Roche Cobas e411 ECLIA equipment.
- The facility for serum Insulin-like growth factor 1(IGF-1) was initiated this year. (Total number of assays for April 2024 to March 2025: Growth Hormone: N= 366, Insulin, N=250, Cortisol, N=18, IGF-1, N=110).
- Pediatric body composition assessment lab: We have the state-of-the-art air displacement plethysmography-based system for body composition analysis of newborns and infants (PEAPOD) and Bodpod system with pediatric option for body composition analysis in the 2-18 y age group (N=560 measurements on Peapod and Bodpod in FY 2024-25).
- Additionally, central lab in Pediatrics does 17OHP assays for children with congenital adrenal hyperplasia (CAH), and for those with clinical suspicion or positive newborn screening.
- Pediatric endocrinology division co-ordinates the follow-up, confirmatory testing and management of all infants with positive newborn screening for congenital hypothyroidism and CAH.
- Received CSR funding from GAIL India for free Growth Hormone therapy for children with short stature due to Growth Hormone deficiency.

(b) Community services/camps, etc.

- Division of Pediatric Endocrinology organizes weekly diabetes education group classes (in-person or offline). We collaborate with two NGOs to provide free supply of analogue insulins with pen devices, glucometers and strips to needy children.
- Organized Insulin pump and diabetes technology workshop for patients and their families
- Organized interactive workshop for adolescents with type 1 diabetes on 28 September 2025.
- Received CSR funding from GAIL India for free Growth Hormone therapy for children with short stature due to Growth Hormone deficiency
- Dr. Rajni Sharma organized health camps for nutrition and menstrual health in adolescent girls in 2 public schools and 3 government run NDMC schools from October 2024-March 2025
- Dr. Vandana Jain provided inputs on multidisciplinary care of children with DSD to Society of Children with DSD and to Indian Academy of Pediatric Surgeons (IAPS)

- Dr. Vandana Jain was a panelist for DD News program Total Health about importance of exclusive breastfeeding in infants on 3 August 2024.
- Dr. Vandana Jain provided support for capacity building workshop for doctors in Type 1 Diabetes at the NCD Cell, Government of Chattisgarh.
- Dr. Vandana Jain is Convenor of FAD 19-FAD 24 Joint Panel X 'Infant foods' (Food and Agriculture Department, Bureau of Indian Standards), July 2024 onwards
- Dr. Vandana Jain is Member, NCD Department, National Health Mission, Madhya Pradesh Expert Technical Committee for Type 1 Diabetes (September 2024 onwards)
- Dr. Vandana Jain is Member, Technical Advisory Committee (TAC) of National Iodine Deficiency Disorders Control Programme (NIDDCP), Ministry of Health & Family Welfare: December 2024 onwards

Genetics Division

Item	2022–2023	2023–2024	2024–2025
Special clinic consultations	6874	Prenatal (old) 1315 Prenatal (New) 2161 Genetic clinic (Old) 1105 Genetic clinic (New) 691	Prenatal (old) 1664 Prenatal (New) 2100 Genetic clinic (Old)-3708 Genetic clinic (New) -3263
Patients provided rehabilitation services	NA	NA	NA
Total inpatient admissions		Day care – 923 Ward - 103	Day care – 1168 (ERT-1004; Intravenous bisphosphonates – 158; Procedures - 6) Ward - 135

Cytogenetic testing	2022–2023	2023–2024	2024–2025
Peripheral blood and cord blood culture	668	823	1705
Amniotic fluid cultures	308	436	405
Chorionic villi cultures	36	45	40
Rapid aneuploidy testing by QF-PCR	405		

Molecular genetic laboratory services	Prenatal Testing			Postnatal Testing		
	2022–2023	2023–2024	2024–2025	2022–2023	2023–2024	2024–2025
Beta thalassemia	65	58	53	180	170	202
Spinal Muscular atrophy	10	11	13	109	92	142
Duchene Muscular dystrophy	23	23	19	193	244	350
Fragile X screening	2	-	1	323	247	212
Cystic fibrosis	14	7	12	67	57	29
Achondroplasia	-	4	1	26	24	27
Non-syndromic hearing loss (Connexin 26)	-	-	1	36	40	38
Rett Syndrome analysis	2		-	57		17
Metachromatic leukodystrophy (MLD)	-	2	2	3	3	10
Von Hippel-Lindau syndrome (VHL)	-			29		5
Mucopolysaccharidosis type I (MPS I)	1			-		9
Mucopolysaccharidosis type II (MPS II)	2			2		
Mucopolysaccharidosis type III (MPS IIIB)	-			1		
Mucopolysaccharidosis type MPS IVA	2			2		7

Multiple edocrine neoplasia type2 (MEN2A)	-	-		36	10	11
Prader willi Syndrome	-	-	2	23	36	22
Angelmann syndrome	-			12		6
Beckwith Wiedemann syndrome	-	1	2	9	8	11
Silver Russel syndrome	-		4	7		22
Apert syndrome	-			3		2
Biotinidase deficiency	-		1	1		9
Ectodermal dysplasia	-			12		1
Fibrodysplasia ossificans progressive (FOP)	-	-		3	8	4
Congenital Adrenal hyperplasia (CAH)	2	-	2	1	7	28
Neurofibromatosis (NF-I)						7
Krabbe disease	-	1	1	4	2	2
Gaucher disease	3	4	3	12	2	21
Fructose-1, 6-bisphosphatase (FBP1) deficiency		-			1	2
Galactosemia	-		1	2		1
Hydroxysteroid 17-Beta Dehydrogenase 4 (HSD 17B4)	1		1	19		5
Steroid 5 Alpha-Reductase 2 (SRD5A2)		-			15	16
Sphingomyelin Phosphodiesterase 1(SMPD1) Niemann-Pick Disease Type A & B	-			-		17
Caffey Disease COL1A1	-	-		-	2	3
Alkaptonia						2
Marfan syndrome						1
Nemogene		-			7	3
Mytonic dystrophy			2			4
X-inactivation		-			8	10
Von Hipple-Lindau Syndrome (VHL)	-	-		29	10	
Blau Syndrome		-			6	12
Noonan Syndrome	-	1		1	2	2
Apert syndrome (FGFR2)	-	3		3	2	1
Gilbert Syndrome (UGT1A1)	-	-		6	9	11
Methylmalonic acidemia (MMA)			1			2
Retinitis Pigmentosa (CWC27)						7
Hypochondroplasia (FGFR3)			1			2
Holoprosencephaly						3
Pycnodysostosis (CTSK)		-			9	11
Albinism			1		3	2
Progressive pseudorheumatoid dysplasia WISP/PPRA						4

Glycogen Storage disorder 1B (GSD1B)	-		1	1		
Targeted gene testing *SMARC* gene			1			
Total			**126**			**1, 316**

Biochemical Genetic Lab

S. No.		Indications	No. of Pts.
1.	Triple Marker	Antenatal screening	00
2.	Dual Marker test	Antenatal screening	1254
3.	TLC for disorders of amino acid metabolism	Metabolic screening	
4.	HPLC	Amino acid metabolism	166
5.	Disorder of MucoPolysaccharidosis (Urine Spot test)		02
6.	GAGS		121
7.	Homocysteinurea test		02
8.	Reducing Substances in urine		36
9.	DNPH		10
10.	FeC13		02
11.	Sulphite Oxidase		00
12.	Blood Ammonia		1382
13.	Ologosaccharide		124
14.	Alkaptonuria		00
15.	UAAG		59
16.	New Born Screening (AIIMS)		2759
17.	TMS		659

S.No	Enzyme Assay	Disorder	No. of Pts.	DEFICIENT
1	ß – Glucosidase	Gaucher Disease	65	15
2	Sphingomyelinase	Nieman Pick disease	56	13
3	Chitotriosidase (Plasma)	Chitotriosidase (Plasma)	225	147
4	MPS-I	Hurler (MPS-I)	41	11
5	MPS-II	Hunter (MPS-II)	20	09
6	α-N-Acetylglucosaminidase	Sanfilippo B (MPS III B)	11	04
7		Sanfilippo C (MPS III C)	11	03
8	Acetyl-CoA: α-Glucosaminide N-Acetyltransferase	Sanfilippo D (MPS III D)	00	00
9	Galactose-6- Sulphate Sulphatase	Morque A (MPS-IVA)	23	13
10	Gangliosidosis	GM1 Gangliosidosis /Morquio B (MPS-IV B) (M)	31	09
11	Arylsulfate A	Met Metachromatic- leukodystrophy	35	09
12	Arylsulphatase-B	MPS-VI	10	04

13	β - Glucuronidase	Maroteaux- Lamy Syndrome (MPS VII)	00	00
14	Hexosaminidase A	Tay-Sach's	24	04
15	Total Hexosaminidase	Sandoff disease	01	00
16	Plasma Hex-A	Mucolipidosis	18	09
17	Plasma – ASA	Mucolipidosis	18	09
18	β-Galactocerebrosidase (Krabbes)	Krabbe's	25	01
19	Palmiloyl-protein-thioesterase (INCL)	INCL-1	14	00
20	Tripeptidyl-peptidase-I	NCL-2	14	01
21	α- Glucosidase	Pompe	32	12
22	Fabry	fabry	02	02
23	Biotinidase	Biotinidase	67	18
24	GALT	Galactosemia	73	05
25	Fucosidase/manosidase		FUCO- 01 MANO-02	FUCO- 01 MANO-01
	Total no. of Patients for Enzyme Assays: 819			

S.No	Total CVS PND	Indications	Numbers	DEFICIENT
1	CVS(NIH)	Non- immune Hydrops	09	02
2	CVS(ASA)	Metachromatic- leukodystrophy	02	-
3	CVS(GM1)	GM1 Gangliosidosis	01	01
4	CVS(MPS-I)		01	-
	CVS(MPSII)		01	-
	CVS(MPSVI)		-	-
5	CVS(Gaucher)		01	-
6	CVS (NPD)		01	01
7	CVS (Krabbe disease)		01	01
8	CVS (MLD)		01	
9	CVS (MPSIII C)		-	
10	CVS NCL1 AND 2		-	
11	MPSIVA		01	
12	Sandhoff		-	
13	Cord Blood (Galt)		-	
14	Cord blood (NIH)		-	

Lab service	2022–2023	2023–2024	2024–2025
Bioinformatics	59	Reanalysis (diagnostic + reanalysis project): 368	311
Fetal autopsy	72	133	118

Neonatology Division

Item	2022–2023	2023–2024	2024–2025
Special Clinic Consultations	3513		2077
Patients provided rehabilitation services	NA	NA	NA
Total inpatient admissions	761	1109	865
-Intramural	660	926	862
-Extramural	25	4	3
-Re admissions	76	179	185

Pediatric Nephrology Division

Nephrology clinic attendance, and teleconsultations	~35000

Special tests and procedures

Kidney transplantation	10
Hemodialysis[1]	1333
Sustained low efficiency dialysis	59
Acute or chronic peritoneal dialysis (including automated)	150
Plasmapheresis sessions	372
Continuous kidney replacement therapy	112
Temporary hemodialysis catheter placement (internal jugular, femoral)	150
Placement of peritoneal dialysis catheter	150
Renal biopsies	209
Ambulatory blood pressure monitoring	642
Monitored infusions (albumin, cyclophosphamide, rituximab)	1876
ELISA for antibodies to complement factor H	890

[1] Included nearly 200 hemodialysis sessions performed outside the hemodialysis unit for critically ill children in various hospital wards, high dependency units, and intensive care areas.

Pediatric Nephrology Division

Item	2022–2023	2023–2024	2024–2025
OPD consultations	16500	17000	35000 (entire unit 1)
Special clinic consultations	1210	1713	2223 (nephrology)
Rehabilitation service	Not applicable		
Inpatient admissions			950 excluding periphery (unit 1)

Child Neurology Division

Under the title: Patient care/supportive activities: please include information regarding:

(a) facilities available in the department (including special clinics and/or special laboratory facilities)

(b) community services/camps, etc.

2024-25

- EEG –2180, Video EEG –2278, Ambulatory EEG- –68 (Total EEG –4526)
- NCS and EMG – 378
- Diagnostic TMS- 9, Therapeutic TMS- 181
- RNST – 46
- PSG –335

- Day Care Procedures: Lumbar Puncture – 208 (Incl. SPINRAZA), Skin biopsy –18, Nerve biopsy –5, Muscle biopsy –51
- Spinraza treatment to spinal muscular atrophy patients under SIPHAP (SPINRAZA INDIVIDUAL PATIENT HUMANITARIAN ACCESS program given to SMA patients as per protocol: 47 (12 old + 35 new) patients
- Gene therapy Intravenous infusion-23 patients (admitted in private ward a day prior)
- Currently, 16 patients, who registered in NMC clinic are getting risdiplam through Humanitarian Access Program, Crowd funding and CGHS.

Psychological and Developmental Test	
VSMS for SQ (for SQ, Cochlear Implant)	600
Developmental Profile 3	610
Childhood Behavior Checklist	930
Malin's Intelligence Scale for Indian Children	750
Wechsler Intelligence scale for children	40
House Tree Person test	400
Developmental scale for Indian Infants (DASII)	605
Sensory Profile 2	235
DSM-5 for autism spectrum disorder	900
Childhood Autism Rating Scale	610
INCLEN tool for ASD	400
ISAA tool for ASD	400
DSM-5 for attention deficit hyperactivity disorder	310
DSM-5 for social communication disorder	30
Comprehensive Test of Phonological Processing	34
Child Sleep habit questionnaire	250
Quality of life for children	100
Gassel drawing Test	130
CONNER's rating Scale for ADHD	262
Grade Level Assessment Device	270
NIMHANS battery for learning disorder	265
8131+4597=Total-12728	
Early stimulation therapy	679
Behavioral Intervention	870
Psychological & personality assessment using HTP (Functional)	380
Psychological counseling for Nocturnal Enuresis	80
Counseling for Tic disorder	95
Cognitive Behavior Therapy	450
Parent's counseling in Ward	70
Parent's counseling in Emergency	49
Tele-Consultation	68
Disability Certification	603
Patients evaluated for certification/UDID	Assessment done for 650patients 603 UDID Certificate issued

PATIENT INFORMATION MATERIALS

Sr. No.	Name of the Book	Collaborator	City of Publication	Year of Publication	Language
1.	COLOURS- Celebrating the diverse spectrum of Abilities (for patients, caregivers and Health Care Providers) regarding Autism	COE	New Delhi	2024	English
2.	COLOURS- Celebrating the diverse spectrum of Abilities (for patients, caregivers and Health Care Providers) regarding Autism	COE	New Delhi	2024	Hindi

Helpline Tollfree:

The toll free 24X7 Child Neurology tele-helpline addressed issues for 5678 calls from 1 April 2024 to 31 March 2025, on an average of 16 calls/day.

Our New Initiative:

Recently, we have ventured into a new endeavor and have developed a state-of-the-art early childhood development and neurorehabilitation center titled - **"HOLDING HAND IN MAGICAL YEARS - EARLY CHILDHOOD DEVELOPMENT & NEUROREHABILITATION CENTRE",** to cater to the needs of children with neurodevelopmental impairment, in collaboration with The Hans Foundation, who will be providing financial support.

Our objectives are–

- To ensure early and appropriate diagnosis followed by provision of comprehensive therapeutic packages to children (0-18 years) with neurological and neurodevelopmental disorders including Autism, Cerebral Palsy, ADHD and SLD and others
- To integrate screening and diagnostic tools for the diagnosis of neurodevelopmental disorders with artificial intelligence-based applications to provide intervention measures to children who are far off from the facility
- To upgrade the national training-cum-resource center for the empowerment of professional and parents being run by Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders, Child Neurology Division, Department of Pediatrics, AIIMS, New Delhi

Data till 31 March 2025: THF Project

No of beneficiaries addressed under the project "Holding Hands in Magical Years" an initiative of COE in collaboration with the Hans foundation:

Total no. of Beneficiary getting intervention seen in THF: 2542

Total no. of Beneficiary registered at Hans (Holding hand in Magical year) center: 3679

Pediatric Oncology Division

Item	2024–2025
OPD Consultations	
Special Clinic Consultations	**Pediatric Oncology clinic** registers 400–450 new patients annually **Pediatric cancer survivor clinic registers about 175-200 new patients annually**
Patients provided rehabilitation services	**Rehabilitation with prosthesis, wheel chair, education assistance, financial assistance, analgesia, vocational counseling, education assistance**
Total inpatient admissions	

Laboratory Investigations	• CBC (coulter)in 5B ward • CSF examination peripheral smear examination • Bone marrow aspirate & biopsy examination • Pleural, ascitic taps • Biopsies (skin, liver, bone marrow etc) **Serum methotrexate estimation with dept of reproductive biology**
Social Component	Patient education Monthly parent education/interaction forums Support group activities Arranging financial assistance for our cancer patients from state and national assistance, RAN, PM-Jay **NGO interface**

Pediatric Rheumatology and Clinical Immunology

- **Pediatric Rheumatology Clinic every Friday:** average attendance 40-45 /week
- **Conjoint Uvea clinic in collaboration with Department of Ophthalmology, Dr RP Center (weekly clinic)**: 10-15 patients/week
- **Tele consultation** (Nurse led supervised service) weekly: 510 /year
- **Procedures/Interventions in daycare (Annual):**
  - IACS (Intra-articular corticosteroids) joint injections: 316 (723 joints)
  - Nail fold capillaroscopy: 60
  - Other procedures (arthrocentesis/skin biopsies etc.): 25
  - Administration of Biologicals and other DMARDs in daycare:
  - Biologicals: 905 (Anti- TNF: 700, Tocilizumaband Rituximab :205)
  - Others: 158 (Cyclophosphamide, Pamidronate, methylprednisolone, intravenous immunoglobulins)

Community services/camps, etc

1	Medical Camp	Cheritable annual Medical Camp Kargil and Asoka Mission	7-13 July'24	Kargil, Ladakh
2	Public lecture	Public Lecture (Pediatric rheumatic disorders: myths & facts)	19 March'25	Conference Hall, AIIMS, Delhi
3	Health talk on national broadcast (Doordarshan)	Arthritis treatment and prevention	12 September 2024	Doordarshan bhawan
4	Newspaper article e-The Hindu	Defining signs of rheumatic disorders to enable early diagnosis	3 April 2025	e- The Hindu

Department of Pediatrics: Patient care details

Item	2022–2023	2023–2024	2024–2025
OPD consultations	16515	124284	112512
Special clinic consultations	1210	29317	32936
Patients provided rehabilitation services	124	143	145
Total inpatient admissions	850	950	1215

Yadhav Dhaneswar (M.S.S.O)

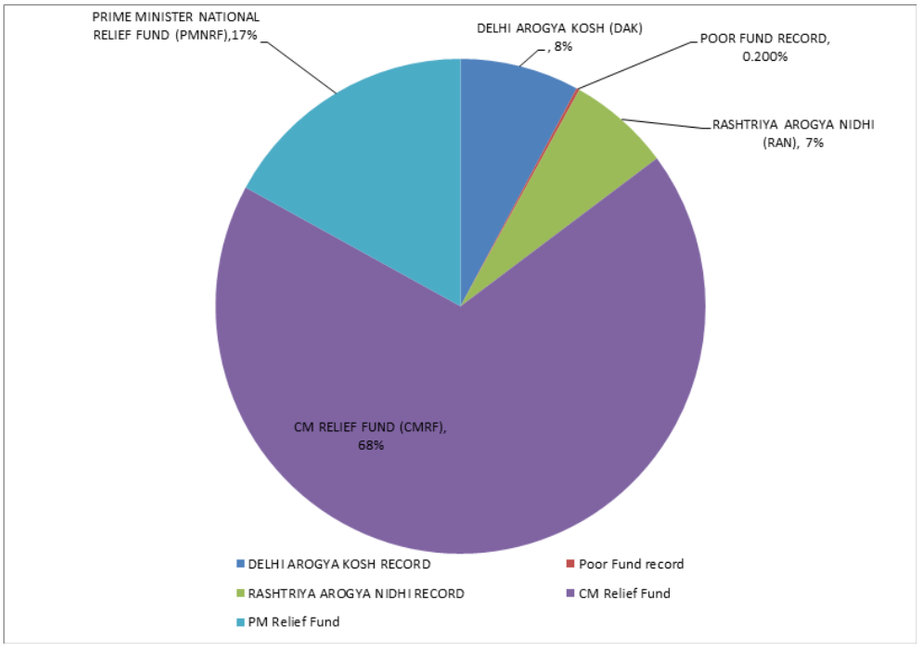
Estimate of application for financial assistance of poor patients under various schemes during the year 2024-2025

Schemes	No. of Patients	Amount	Percentage
Rashtriya Aarogya Nidhi (RAN)	2	26, 84, 000	6.7%
Health Minister Discretionary Grant (HMDG)	0	0	0%
Delhi Aarogya Kosh (DAK)	5	31, 27, 200	7.9%
Prime Minister National Relief Fund (PMNRF)	10	67, 80, 881	17.0%
Chief Minister Relief Fund (CMRF)	36	2, 71, 32, 527	68.2%
AIIMS Poor Fund	16	80, 000	0.2%
Total	**69**	**39, 804, 608**	**100%**

Annual Report of MSSO of MSW unit of Department of Pediatrics 2024-2025

Activities	Number of patients benefited
• Information and guidance given to patients.	1950
• Counseling and psychotherapy.	985
• Issuing Railway Concessions.	455
• Helping in having Accommodation.	15
• Exemption of charges of various Investigations.	198
• Mobilization of Financial Assistance to Poor Patient.	51
• Rehabilitation of Unknown/Abandoned Babies.	4
• Supervision of Social Work Trainees.	0
• Miscellaneous needs of Poor Patient e.g. arranging Cremation, deportation of Dead Bodies to their native places.	12

FINANCIAL ASSISTANCE



AWARDS, HONOURS AND SIGNIFICANT EVENTS

Department

Dr Ajinkya and Dr Mahesh secured the first position in the 37th IAP Pediatric Quiz for undergraduates- 2024.

Rahul Kumar: SIOP Asia scholarship for the effect of scalp cooling in ameliorating chemotherapy-induced alopecia in children with acute lymphoblastic leukemia: A prospective nonrandomized trial. June 23-25, SIOP Asia, Yokohama Japan.

Rahul Kumar: Second prize for oral presentation for the effect of scalp cooling in ameliorating chemotherapy-induced alopecia in children with acute lymphoblastic leukemia: A prospective nonrandomized trial. ISMPOCON, New Delhi 2024.

Prashant Prabhakar, Debabrata Mohapatra, Kritika Setlur, Aditya Kumar Gupta, Jagdish Prasad Meena, Bhavna Chawla, Neiwete Lomi, Rachna Seth received Asian Pediatric Hematology and Oncology Group (APHOG) award for Best Oral Paper presentation Conference name – 16th Congress of Asia continental branch of International Society of Paediatric Oncology (SIOP Asia 2024); Place - Yokohama, Japan; Date – 23 June 2024; Paper title -"Vincristine and Topotecan versus Carboplatin, Etoposide, and Vincristine based chemotherapy for ocular salvage in Group D intraocular Retinoblastoma: A randomized, open-label trial".

Prashant Prabhakar, **Debabrata Mohapatra**, **Kritika Setlur**, **Aditya Kumar Gupta**, **Jagdish Prasad Meena**, **Bhavna Chawla**, **Neiwete Lomi**, **Rachna Seth** received *Dr RK Marwaha Award for Best Oral Paper; Conference name* - 27th Annual Conference of the Pediatric Hematology-Oncology chapter of IAP (PHOCON 2024); *Place* – Jammu; *Date* – 23 November 2024; Paper title- *"*Vincristine and Topotecan versus Carboplatin, Etoposide and Vincristine based chemotherapy for ocular salvage in Group D lntraocular Retinoblastoma: A randomised, open label trial".

Prashant Prabhakar, **Debabrata Mohapatra**, **Kritika Setlur**, **Aditya Kumar Gupta**, **Jagdish Prasad Meena**, **Bhavna Chawla**, **Neiwete Lomi**, **Rachna Seth:** *Conference name* – 56th Congress of the International Society of Paediatric Oncology (SIOP 2024) *Place - Hawaii*, USA; *Date* – 20 October 2024; Paper title -"Vincristine and Topotecan versus Carboplatin, Etoposide and Vincristine based chemotherapy for ocular salvage in Group D lntraocular Retinoblastoma: A randomised, open label trial" Institute Day best poster competition: *Department of Pediatrics conferred the second-best poster.*

Award of ICMR for DM thesis Title: - "Comparison of efficacy of ketogenic diet and ACTH therapy among children with infantile spasm: a pilot randomized control trial" for DM Candidate Dr Aakash Mahesan, Chief Guide Dr Sheffali Gulati.

Individual Faculty

Professor Madhulika Kabra was Nominated as a member of the subject expert committee for FIST Evaluated PhD thesis from Calcutta University.

Professor Pankaj Hari was Council Member, International Pediatric Nephrology Association. Chair, Best Practices & Standards Committee, International Pediatric Nephrology Association. Member, European Rare Kidney Disease Reference Network (ERKNET) Expert Panel on ERN guidelines. Member, Editorial Board: Asian Journal of Pediatric Nephrology, Indian J of Trauma Emergency Pediatrics, Journal of Pediatric Urol, International Journal of Nephrology and Urology. Reviewer: Clinical Journal of American Society of Nephrology, British Medical J, Pediatric Nephrology, Nephron, Kidney and Blood Pressure Research, Acta. Pediatrica, Renal Failure, Indian Pediatrics. Chair, IPNA Best Practices and Standards Committee; Chairman Academic Committee, Indian Society of Pediatric Nephrology.

Professor Sheffali Gulati was Fellow, International Society for Autism Research (INSAR), 2025, highest honour for research with significant international impact on the scientific understanding, clinical practice, educational methods and/or policy related to autism. "Women in Medicine Award for the year 2024" and delivered an Oration (Women in Medicine: Pioneers of Change) by National Academy of Medical Sciences, India. Appointed as Governing Body Founding Member of INSA (Indian National Science Academy) Women Associates. INSAR Cultural Diversity Award, 2024 for Compass Consortium (part of team). Second Prize "4th Annual Research Day, 2025 Excellence in Clinical Sciences for Brain Stimulation and Constraint Induced Movement Therapy in Children with Unilateral Cerebral Palsy: RCT Women Scientist Award – Janaki Amal Award. American Academy of Neurology, A.B. Baker Teacher Recognition Award 2024: This award demonstrates respect and appreciation for neurologic teaching. Honorary Distinguished Fellow, Global Association of Physicians of Indian Origin (GAPIO) in recognition of contribution to healthcare in Child Neurology. Dr I A Modi Award (Distinguished Clinician), 2024 – Global Association of Physicians of Indian Origin (GAPIO) for pioneering contributions in Pediatric Neurology in India advancing the field through clinical excellence, research and education. Editor of Autism (only Asian) – Sage journal, UK (5-year IF – 7.525). Selected as Adjunct Faculty, National Brain Research Center, Manesar, Haryana. President, Association of Child Neurology, India 2023-2025. INSAR (International Society for Autism Research) Global Senior Leader for India 2021-2024, reviewer for INSAR 2024 abstracts. Member, ILAE (International League Against Epilepsy) Equity,

Diversity and Inclusion Task Force2023 onwards. ILAE- contributor for primary care for epilepsy course-competency: Guidance to parents of children with epilepsy. Advisory board member & Lead coordinator for Neurodevelopmental disorders modules-International Child Neurology Teaching Network (ICNTN) of the ICNA (International Child Neurology Association). Site lead - Indo-Canadian Autism Network (I-CAN) Expert member of International Expert Panel for consensus in diagnosis and management of children with Sydenham chorea. Member of various ICMR committees on Stem cells, rare diseases, MD dissertation, ICMR's Working Group HWC Workflow, Indigenized therapeutics for priority rare genetic disorders in India Co-Chair, Neuromuscular disorders group, National Consortium for Research and Development on Therapeutics for Rare Disease in India, ICMR. Member of committee to formulate a national strategy/guideline under District Mental health program and modalities of a Centre of Excellence in Autism. Member of Technical Working Group for drafting and finalization of "National Biomonitoring Program for Chemical Toxicants" NCDC. Member of International STEER Champion task force for SMA. Member of National level expert group to discuss Unmet Need in the Diagnosis and Management of Spinal Muscular Atrophy. Executive Board Member, Indian Epilepsy Society, 2021-2025. The Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders has been working towards research, academics and empowerment of professionals/parents. Toll free 24X7 Child Neurology tele-helpline addresses issues on an average 16 calls/day. National Coordinator for training Master Trainers across India in diagnosing and certifying children with Autism (National Trust), selected to develop online training and E-certification. Second Prize "4th Annual Research Day, 2025 Excellence in Clinical Sciences" for Dr Sheffali Gulati Department of Pediatrics 3 January 2025. Shortlisted for the India AI Startup Innovation Challenge (Assistive Tech for Learning Disabilities); felicitated on March 6, 2025, at Hotel Ashoka, New Delhi. In collaboration with AIIMS and IIT Delhi, Hermit Labs is developing "Readabled", an AI-driven phonetic and language learning app for children with dyslexia. India AI, under MeitY's Digital India Corporation, champions AI-led innovations for inclusive, ethical, and transformative socio-economic development in India.

Professor Rakesh Lodha was Member of multiple Project Advisory Committees at ICMR. He was Chaired ICMR Experts PRC on Diagnostic Algorithms for One Health. He was nominated member of National Technical Advisory Group on Immunization-STS committee. He was Member of multiple Guideline development groups at WHO. He was Co-chaired WHO-GDG on fluid therapy in critically ill. He was Member of Pediatric Sepsis Taskforce of the Society of Critical Care Medicine, USA. He was Editor, Indian Journal of Pediatrics.

Professor Vandana Jain was AIIMS Research Excellence Award (3rd prize in Clinical sciences category), 2025. He was Convenor of FAD 19-FAD 24 Joint Panel X 'Infant foods' (Food and Agriculture Department, Bureau of Indian Standards), July 2024 onwards. He was Member, NCD Department, National Health Mission, Madhya Pradesh Expert Technical Committee for Type 1 Diabetes (Sep 2024 onwards). He was Member, Technical Advisory Committee (TAC) of National Iodine Deficiency Disorders Control Programme (NIDDCP), Ministry of Health & Family Welfare: December 2024 onwards. He was Member of the Technical advisory group (TAG) by ICMR and MoHFW for Development of Growth References for 0-18 year old healthy Indian children and adolescents. He was Served as the coordinator and faculty for the prestigious Asia Pacific Pediatric Endocrine Society (APPES) Fellows School to in October 2024. He was External examiner for MD Pediatrics exam at JIPMER, Pondicherry in December 2024, Internal examiner for MBBS final professional examination in Pediatrics at AIIMS Delhi in December 2024. He was Nominated expert for CTCRD for rare diseases. He was Member ICMR Taskforce on Non-alcoholic Fatty Liver Disease, Youth Onset Diabetes Registry, and Polycystic Ovary Syndrome (PCOS). He Served as Associate editor for the international journals, Frontiers in Pediatrics (IF 3.56) and Frontiers in Endocrinology (IF: 5.6).

My PhD student, Brijesh Kumar won the AIIMSONIAN award for best original paper by a PhD scholar for the year 2024. He MyDM student, Sukanya Priyadarshini, won the first prize for oral paper presentation at Chennai Onco-endocrinology meeting in July 2024, won the My DM student, Praveen Paul won the 3rd prize for poster presentation at 4th AIIMS Research Day.

The second edition of textbook "Case Based Reviews in Pediatric Endocrinology", Vandana Jain, Ram K Menon Eds, Jaypee Brothers Publication was published in July 2024. Organized the PCNI post-conference workshop on Endocrine Disorders in Children on 23 September 2024, at AIIMS, Delhi with more than 100 participants.The project titled 'Assessing the genesis of the 'thin-fat' Asian Indian phenotype: A longitudinal study on body composition, metabolic and metabolomic profile in children born preterm or small for gestational age' was selected for funding by the Department of Biotechnology in May 2024.Multidisciplinary Clinic for Disorders of Sex Development was officially registered as a once-monthly joint clinic with Pediatric Endocrinology, Pediatric Surgery, and Psychiatry teams in April 2024Received the 3rd prize for Research Excellence in Clinical Sciences on the 4th AIIMS Annual Research Day in January 2025Dr. Vandana Jain's student, Mr. Brijesh Kumar successfully completed his PhD thesis under her guidance. He was also awarded the AIIMSONIAN award for the best paper published by a PhD scholar in 2024.Dr. Vandana Jain and Dr. Rajni Sharma were members of the high-powered Committee Meeting for Management of Controversial Surgical Issues in DSD at AIIMS New Delhi on 11th May 2024, organized by the Department of Pediatric Surgery, AIIMS, New Delhi.Member of the Delhi State multidisciplinary team for DSD.

Dr Jitendra Meena was Joint Secretary cum treasurer, Indian Society of Pediatric Nephrology 2024-2025.

Professor Aditi Sinha was Associate Editor, Asian Journal of Pediatric Nephrology. Section Editor (Nephrology): Indian Journal of Pediatrics. Member, Editorial Board: Pediatric Nephrology, Frontiers in Pediatric Nephrology, Nephrology. Reviewer: Indian Pediatrics, Clinical Journal of American Society of Nephrology, Kidney International, Kidney International Reports, Lancet Adolescent and Child Health, Indian Journal of Nephrology, Indian Journal of Transplantation, Pediatric Research.

Professor Neerja Gupta was Dr IC Verma Outstanding Researcher Award 2024. Appointed as a member of the IRDiRC Diagnostics Scientific Committee. Evaluated PhD thesis from Manipal Academy of Higher Education.

Professor M Jeeva Sankar was Featured in the top 2% of the recently compiled global database of the 150, 000 most-cited authors across all scientific fields based on their ranking of a composite indicator using the data for citations in a single calendar year, 2021. Member of the Guideline Development Group (GDG) of the World Health Organization (WHO), Geneva, in 'Maternal and Perinatal Health.'. Member of the 'Technical Advisory Group (TAG)' of the WHO ACTION-III trial on the use of low-dose antenatal steroids in women with preterm labor (funded by the Bill & Melinda Gates Foundation). Expert and Member of the Project Monitoring Committee (PMC) of the BIRAC-DBT-BMGF Grand Challenges India for reviewing the progress of research projects. Global and national collaborator to the 'Global Burden of Diseases, Injuries, and Risk Factors Study (GBD)' – the largest effort to measure epidemiological levels and trends of disease burden worldwide – for Health Metrics and Evaluation (IHME) at the University of Washington. Member of the Editorial Group of 'NNF – Clinical Practice Guidelines'; involved in hand-holding neonatologists across the country to help develop evidence-based guidelines. Member of the Working Committee of the 'Clinical Research Unit (CRU), ' AIIMS, New Delhi, which provides resources and services to advance clinical research in the institute. Member of the Technical Group overseeing the conduct of the 'Fellowship in Clinical Research Methodology and Evidence-Based Medicine' course at AIIMS, New Delhi. Member of the Expert Consultation Group on the 'STG Development Manual' that facilitates the development of Standard Treatment Guidelines for the MoHFW, Government of India. Faculty of the Master of Science (MSc) in Clinical Research program conducted by the Translational Health Science and Technology Institute, Faridabad.

Professor Jhuma Sankar received 1st prize in AIIMS Excellence in Research Award (2024-2025) for research paper on Multiple electrolytes versus saline as bolus fluid for resuscitation in pediatric septic shock: multicenter randomized clinical trial.

Conducted IAP-ALS workshop in March 2024 and May 2024 for post-graduates. Successfully conducted Ventilation workshop with International and national faculty: August 2024. Successfully conducted four AIIMS Pulmo-Critical care modules on respiratory and critical care conditions 2024. Facilitating Nursing training through workshops, virtual sessions, basic life support. Managed several challenging cases of tropical infections (severe dengue), MODS, poisoning, and other critical illnesses successfully with the ICU team. Involved in planning and execution of the newly operating 14 bedded ICU in the Mother and Child Block. Supervising teaching curriculum of 6th Semester MBBS

Dr Biswaroop Chakrabarty was Part of the group of experts of the "Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry and Research Network" under the aegis of Indian Council of Medical Research (ICMR)for developing the Pediatric guidelines. External examiner for DM Pediatric Neurology exits exam at PGI Chandigarh and Amrita Institute, Kochi.

External examiner for MD Pediatrics at MAMC, New Delhi. Associate Editor for BMC Neurology and BMC Pediatrics. Peer reviewer for Indian Journal of Pediatrics, Indian Pediatrics, BMC Neurology, Indian Journal of Medical Research, Annals of Indian Academy of Neurology, BMC Pediatrics, Neurology India, Clinical Nutrition ESPEN, Indian Journal of Physiology and Pharmacology. Attended IICB Meeting as part of AIIMS, New Delhi delegate on 9th February 2025 in Kolkata.

Dr Rajni Sharma Served as Associate editor for the international journals, Frontiers in Pediatrics (IF 3.56) and Frontiers in Endocrinology (IF: 5.6) in 2024-2025. Contributed a chapter on "Management of diabetes in Infants and Toddlers" for national dietary guidelines by Research Society for the Study of Diabetes in India and National Institute of Nutrition (RSSDI-NIN) guidelines on diabetes 2025. Visiting pediatric specialist and clinician at IIT, New Delhi Hospital. Faculty for Basic Diabetes Education Program (for nurses, paramedical staff and patients) by Indian Society for Pediatric and Adolescent Endocrinology (ISPAE) and took online sessions in July 2024, September 2024 and February 2025. Managing Editor of Journal of Pediatric Endocrinology and Diabetes (official journal of the Indian Society of Pediatric and Adolescent Endocrinology).

Dr Anu Sachdeva was Foundation for Advancement of International Medical Education and Research) Fellowship at CMCL (Christian Medical College, Ludhiana) fellowship training enrollment for 2024 to 2026. This fellowship is designed for faculty members who aspire to leadership roles in medical education and are committed to enhancing the quality of medical

education within their institutions. Member of the Academy of Health Professions Educators (AHPE). Member of the expert group formed by the Ministry of Health to develop training modules on Oxygen delivery systems for newborns. Member DSMB for the "Effect of India-tailored Multiple Micronutrient Supplementation compared to IFA supplementation during pregnancy on Maternal Anemia & Birth Outcomes: A Multi-Centre Community-based RCT.". Chairperson for "Development of evidence-based guidelines for care of normal newborn" by NNF India. Chairperson, "Committee for Development and dissemination of Small or sick newborn training package" by NNF India. Member of the Technical Advisory Group (TAG) of the Care for Small or Sick Newborns Course training materials. Member of Every Newborn Action Plan (ENAP-C) Technical Working Group. Member of Neonatology group for development of STW for common newborn conditions by ICMR and Department of Health Research, Ministry of Health and Family Welfare, Government of India.

Dr Prashant Jauhari External Examiner for PhD viva voce of Dr Pooja (under Prof Jitendra Sahu) at PGIMER, Chandigarh. External examiner for DM Pediatric Neurology exits exam at AIIMS Rishikesh. Treasurer for Association of Child Neurology, India 2023-2025. Editorial board member for Journal of Academy of Pediatric Neurology. Peer reviewer for European Journal of Pediatric Neurology, Seizure, Indian Journal of Pediatrics, Indian Pediatrics, Indian Journal of Medical Research, Annals of Indian Academy of Neurology, Neurology India. MD Pediatrics and DM Pediatric Neurology thesis evaluator for AIIMS, Rishikesh, AIIMS Jodhpur and PGI Chandigarh. Co-Guide of PhD of Dr Suriya Prakash M (Physiology, Chief Guide: Dr Ratna Sharma). DC committee member for PhD of Dr Shweta Sahni (Guide: Prof Achal Srivastava, Neurology) and Dr Ravi K Manjhi (Guide: Dr Aditya Gupta, Pediatrics).

Dr Narendra Kumar Bagri was Expert member of review committee for formulation of Clinical Practice guidelines for the management of Juvenile Idiopathic arthritis for Southeast Asia under Asia Pacific League of Associations for Rheumatology (APLAR). Member Medical advisory board of Myositis India Medical advisory board (https://myositisindia.org/patient-registration). Editorial member Indian Pediatrics, official journal of Indian Academy of Pediatrics.

Dr Ankit Verma was Member Technical Advisory Group (TAG) of national action plan on heat related illnesses, National center of disease control, MOHFW, GOI.

Dr Menka Yadav was Reviewer: Indian Pediatrics, Indian Journal of Pediatrics, Pediatric Nephrology, BMC Nephrology

Dr Deepika was Resource faculty of Expert Advisory Group for *National Capacity Building Programme for Oxygen Management* under Disaster Management Cell, MOHFW, Govt of India. Resource faculty for ***SARANSH workshop*** under ICMR-DHR initiative for capacity building for systematic review and meta-analysis. Member faculty for the ***Simulation Scenario Development Workshop*** for common neonatal scenarios.

Dr Jitendra Meena was Joint Secretary cum treasurer, Indian Society of Pediatric Nephrology 2024-2025.

Dr Kajal Jain was Formal inauguration of 'Payodhi', a human milk bank that serves as a comprehensive lactation management centre on 10 February 2025.

Indicators	2024 (Jan to Dec)
Donor mothers	86
Volume of milk collected (in L)	220
Volume of PDHM disbursed (in L)	177.1
Babies received PDHM	209

Dr Rashmi Shukla was Nominated as expert Member (Life Science Professional) National Commission for Allied and Health Care Professions, Ministry of Health and Family Welfare, New Delhi. He was Appointed Member Professional Council, Medical Laboratory and Life Sciences Professional Council, National Commission for Allied and Health Care Professionals, Ministry of Health and Family Welfare, New Delhi. He was Appointed Member, Committee for framing Regulations for National Commission for Allied and Health Care Professionals, Ministry of Health and Family Welfare, New Delhi.

M.S.S.O

Rehabilitations & social integration of unknown babies during the year of 2024-2025

Three unknown babies have & treatment. After providing medical care & treatment these unknown babies were produced before child welfare committee. As per the order of child welfare committee children were rehabilitated in various welfare homes of children in Delhi.



VISITING SCIENTISTS

Professor A. V. Ramanan FMedSci; Consultant Paediatric Rheumatologist Bristol Royal Hospital for Children; Upper Maudlin Street, Bristol, BS2 8BJ; Professor of Pediatric Rheumatology, University of Bristol

1. Master Class in Pediatric Rheumatology (19 January 2025)
2. Guest-lecture (co-organized by department of Pediatrics & Dermatology) on 19 January 2025 Immune-med inflammatory diseases (skin, Gut & Joint axis)

Dr Rashmi Bhandari, Director of Psychology Services in Pediatric Pain Medicine; Clinical Professor, Department of Anesthesiology, Perioperative, & Pain Medicine; Stanford University Medical Center. delivered a talk on pain assessment & non-pharmacologic modes of pain management 24 October 2024

Professor Vikram Dua – Talk on Sensory Processing Disorder on 23 September 2024, in CN Division, Department of Pediatrics, Senior Consultant Psychiatrist, Vancouver, BC, Canada

Ms Kavita Kamat, Behavioural Analyst & Child Psychologist; and Ms. Tina Gandhi, gave talks on Functional Behavioural Analysis and Acceptance and Commitment Therapy (ACT), in the workshop on "Holistic Management of Autism: Current Updates" organized by Child Neurology Division, in September 2024.

9.29 Paediatric Surgery

Professor and Head
Sandeep Agarwala (HOD)

Professors
M Srinivas
(Director, AIIMS New Delhi since 24 September 2022)
Vishesh Jain — Anjan Kumar Dhua
Prabudh Goel — Devendra Kumar Yadav

Associate Professor
Ajay Verma

Assistant Professors
Sachit Anand — Gali Divya

HIGHLIGHTS

The Department has successfully transitioned to the new "Mother and Child Block, " consolidating all clinical services, including emergency operating theaters (beyond routine working hours) and enhanced office facilities in a single location. Presently, the ward and neonatal surgical intensive care unit are poised to reach their full capacity, pending the completion of staff recruitment. The move to a specialized block, which also accommodates the departments of Obstetrics & Gynaecology and Pediatrics, has laid the groundwork for developing all subspecialties. This strategic co-location has also significantly advanced the management of children afflicted with complex malformations, advanced-stage cancers, and other critical illnesses.

EDUCATION

The Department remains deeply committed to training MCh Paediatric Surgery residents as well as postgraduate, undergraduate, and nursing students. *"Surgery-Paedia"*, a digital academic initiative launched earlier during COVID, is now being consolidated to promote collaborative learning. It facilitates resident-led exploration of clinical queries via a Google group, with archived discussions organized by system. The platform also features case-based templates and a cloud-based repository of clinical examination videos, ensuring broad accessibility and enriched learning.

CMEs/Workshops/Symposia/National and International Conferences

The Department actively contributed to academic exchange and capacity-building through several noteworthy events. It hosted the Delhi Association of Pediatric Surgeons (DAPS) Monthly Meeting on April 6, 2024, bringing together paediatric surgeons from across the city. On 23 February 2025, a **Grant Writing Workshop for Extramural Funding** was organized online by Dr. Prabudh Goel in collaboration with the Indian Association of Paediatric Surgeons (IAPS), aimed at empowering early-career researchers. Furthermore, the Department conducted an **Update on Vesicoureteric Reflux** on 2 March 2025, featuring Professor Prem Puri as the distinguished guest of honour. Preparations are also underway for an upcoming conference titled **"Advancing Pediatric Minimal Access Surgery (PMAS), "** scheduled for April 2025, with planning activities currently in full swing.

Lectures delivered: 62

Sandeep Agarwala: 9	**Vishesh Jain: 5**	**Anjan Kumar Dhua: 7**
Prabudh Goel: 24	**Devendra Kumar Yadav: 3**	**Ajay Verma: 4**
Sachit Anand: 9	**Gali Divya: 1**	

Sandeep Agarwala

1. Pediatric Solid Tumors, 2nd Pediatric Surgery Oration, 17 August 2024, AIIMS Bhopal
2. Approach to abdominal mass in children", National training program in Practical Pediatric Oncology (NTP-PPO) workshop of Indian Academy of Pediatrics – Pediatric Hematology Oncology Chapter (IAP-PHO), 1 September 2024, New Delhi

3. High Risk Neuroblastoma, Current Management, Annual Conference Association of Pediatric Surgical Oncology (APSOCON 2024) Section of Indian Association of Pediatric Surgeons (IAPS), 28-29 September 2024, SGPGI, Lucknow
4. Open Left Hepatectomy: A video-based lecture, Masterclass in Pediatric Hepatobiliary surgery (MPHBS) 2024, 4 October 2024, Jodhpur
5. Decision making in liver tumors- Surgeons Perspective; Case based lecture, Masterclass in Pediatric Hepatobiliary surgery (MPHBS) 2024, 5 October 2024, Jodhpur
6. Thoracic Tumors, Masterclass in Pediatric Surgical Oncology, 20-23 November 2024, Dar-es-Salam, Tanzania from
7. Germ Cell Tumors, Masterclass in Pediatric Surgical Oncology, 20-23 November 2024, Dar-es-Salam, Tanzania from
8. Recent advances in management of Pediatric Solid tumors, Kalinga Institute of Medical Sciences (KIMS), Bhubaneshwar, 24 March 2025, Bhubaneswar
9. GU RMS a case-based discussion, APSO section of IAPS Webinar, 27 March 2025, Online

Vishesh Jain

1. Abernethy Malformation, Masterclass in Pediatric Hepatobiliary Surgery, 4 October 2024, Jodhpur
2. Congenital Porto systemic shunt- Experience with surgical management in India, 11th Annual Meeting of the Indian Society of Paediatric Gastroenterology, Hepatology and Nutrition, 6 October 2024, Delhi
3. Thoracoscopic Lung surgery, 20th National Conference of Pediatric Endoscopic surgeons of India (PESI-IAPS), 16 February 2025, Kochi
4. Thorascopic lobectomy/ Pneumonectomy, 17th Pediatric Surgery update 2025, 8 February 2025, Delhi
5. Minimal Access Surgery in VUR, Update on Vesicoureteric Reflux, 2 March 2025, Delhi

Anjan Dhua

1. Proximal Lieno-Renal Shunt, Masterclass in Pediatric Hepatobiliary Surgery (MPHBS) 2024, 4 October 2024, AIIMS Jodhpur
2. Research in Pediatric Surgery, 21st Annual PSCME organized by Wadia Children's Hospital, Mumbai, 17 October 2024, Online
3. Tumor board case discussions on Solid tumors, PHOCON 2024, 22 November 2024, Jammu
4. Citation -Styles, Mendeley and Zotero, "SCHOLARIUM" a certificate course series by IAPS, 8 December 2024, Online
5. Evaluation Of Surgical Jaundice in an Infant, 17th Pediatric Surgery Update 2025, MAMC Delhi, 7 February 2025, Online
6. Building Your Research Foundation: Crafting a Compelling Background and Justification, Grant Writing for Extramural Funding, 23 February 2025, Online
7. Use of Rayyan (TiAb Screening, Inclusion Exclusion Criteria, Duplicate removal), Evidence-Based Medicine Lecture Series-Centre for Evidence for Guideline Department of Health Research (DHR), 4 March 2025, Online

Prabudh Goel

1. Examination of Male Genitalia in OPD, Monthly meeting of DAPSCON, 6 April 2024, Delhi
2. Surgical Issues in the Management of DSD, AIIMS-IAPS High Powered Committee, 11 May 2024, Delhi
3. Hypospadias, Bladder Exstrophy and Cloacal Exstrophy, AIIMS-IAPS High Powered Committee, 11 May 2024, Delhi
4. One-day workshop on Qualitative Research Methodology, Rufaida College of Nursing, Jamia Hamdard, 9 August 2024, Delhi
5. Prediction and Prognostication of Uro-ano-genital malformations, One-day Symposium: CCMB, 16 August 2024, Delhi
6. Panel Discussion on DSD, SPUCON 2024, 1 September 2024, Online

7. Genetic Testing for Pediatric Cancer, Annual Conference of the Association of Pediatric Surgical Oncology, 28 September 2024, Lucknow
8. Decoding Systematic Reviews and Meta-analysis, IAPSCON 2024, 8 November 2024, Rishikesh
9. From Manuscript to Submission, Scholarium, 8 December 2024, Online
10. Responding to Reviewers' Comments, Scholarium, 8 December 2024, Online
11. Study Design and Methodology, Scholarium, 8 December 2024, Online
12. Urinary biomarkers in Chronic Kidney Disease, Annual Conference of the Delhi Association of Pediatric Surgeons, 21 December 2024, Delhi
13. Parental Experiences in Childhood Cancer Care, Conferences on Neuro-Psychology, 5 January 2025, Delhi
14. Evidence-Based Medicine (EBM) lecture series, Literature Search for Systematic Reviews and Meta-analysis for the Department of Health Research, 21 January 2025, Online
15. Ureteral Duplication, Ectopic Ureters and Ureteroceles, Pediatric Surgery Update, 8 February 2025, Online
16. Mastering Grant Writing for Extramural Funding, Mastering Grant Writing for Extramural Funding, AIIMS New Delhi, 23 February 2025, Online
17. Workshop Overview and Objectives, Mastering Grant Writing for Extramural Funding, AIIMS New Delhi, 23 February 2025, Online
18. Designing Your Research Methodology with Precision during the Grant Writing Workshop, Mastering Grant Writing for Extramural Funding, AIIMS New Delhi, 23 February 2025, Online
19. Panel Discussion: Insights into Navigating Strategic Priorities and Research Support during Grant Writing Workshop, Mastering Grant Writing for Extramural Funding, AIIMS New Delhi, 23 February 2025, Online
20. Panel Discussion on Funding Agency Perspectives on Scientific Excellence and Real-World Impact, Mastering Grant Writing for Extramural Funding, AIIMS New Delhi, 23 February 2025, Online
21. Navigating the ICMR ePMS Portal during the Grant Writing Workshop, Mastering Grant Writing for Extramural Funding, AIIMS New Delhi, 23 February 2025, Online
22. Bioinformatics during vesico-ureteric Reflux, One Day Symposium on vesico-ureteric Reflux, 1 March 2025, Delhi
23. Birth Defects and Related Issues, Public Speech on All India Radio (Akashvani), 17 March 2025, Delhi
24. Effective Communication in Pediatric Care for Nurses, Effective Communication in Pediatric Care for Nurses, 17 March 2025, Delhi

Devendra Yadav

1. Management of Neonatal tumors, Pediatric Surgery Update 2025, 5th to 9th February 2025, MAMC
2. Intrahepatic cholestasis, bile duct paucity and inspissated bile in Children, Masterclass in Pediatric Hepatobiliary Surgery, 3-5 October 2024, AIIMS
3. Surgical Management of Wilms Tumor, 12th General Assembly of the Asia Pacific Organisation for Cancer Prevention, 19-21 September 2024, Bishkek,

Ajay Verma

1. Introduction to EBM, RIPSSCON 2024, 7-December 2024, AIIMS, Jammu
2. Types of Data in systematic Reviews, RIPSSCON 2024, 7 December 2024, AIIMS, Jammu
3. Overview of Narrative Review, Scoping Review & Bibliometric Review, SARANSH, DHR, MoHFW, 18 December 2024, AIIMS, New Delhi
4. Types of Data, SARANSH, DHR, MoHFW, 21 December 2024, AIIMS, New Delhi

Sachit Anand

1. Surgical Need and Decision-making in Necrotizing enterocolitis, East Zone Mid-Term CME and Ranchi Pedicon, 15 June 2024, Ranchi
2. Urinary Microbiome, Brainstorming meeting on "Microbiome: Targeting Therapeutics in Diseases and other Opportunities", 12 August 2024, Department of Biotechnology, Ministry of Science and Technology, Delhi

3. Critical Appraisal of Systematic Reviews and Meta-Analysis, Systematic Reviews and Meta-analysis, 10 September 2024, NIPER, Guwahati
4. Urodynamic studies, 36the Annual Conference of the Indian Society of Paediatric Nephrology (ISPNCON), 7 December 2024, The Lalit, New Delhi
5. Systematic Review and Meta-analysis, 9th annual Research and Innovation Paediatric Surgery Society Conference, 8 January 2025, AIIMS, Vijaypur, Jammu
6. Systematic Review and Meta-analysis for Healthcare Professionals, Workshop, 7 February 2025, KMC Manipal, MAHE-Manipal, Karnataka
7. Retroperitoneoscopic Pyeloplasty, 29th National Conference of Paediatric Endoscopic Surgeons of India (PESICON), 15 February 2025, Kochi
8. Need for Urinary Biomarkers for Clinical-Decision Making in Children with Ureteropelvic Junction Obstruction, AIIMS-CCMB Open House Collaboration meeting, 17 August 2024, AIIMS Delhi
9. Spreading awareness among healthcare professionals of the National Capital Region towards favorable ergonomics at workplace using a multimodal approach and evaluating KAP levels pre and post sensitization, National Council for Science and Technology Communication (NCSTC), Department of Science and Technology (DST), Ministry of Science and Technology, Government of India, 23 October 2024, IIT Delhi

Gali Divya

1. An appropriate Research environment for a Pediatric Surgeon, 50th Annual Conference of the IAPS, 9 November 2024, AIIMS, Rishikesh

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
44	37	62

List of oral papers/posters presented: 58

1. Agarwal P, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al., Tips And Tricks for Complex Pelvi-Ureteric Junction Obstruction with Anomalous Anatomy, PESICON, 14 February 2025, Kochi
2. Agarwal P, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, Staged laparoscopic-assisted endorectal pullthrough for Long Segment Hirschsprung's disease – Intra operative Variations and Techniques, PESICON 2025, 15 February 2025, Kochi
3. Agarwal P, Verma A, Anand S, Utility of ureteral diameter ratio for clinical decision making in children with VUR: A SRMA, ISPSR24, 21 September 2024, Stockholm, Sweden
4. Agarwal P, Verma A, Anand S, Tips & Tricks for Complex Pelvi-Ureteric Junction Obstruction with Anomalous anatomy, PESICON2024, 15- February 2025, Kochi
5. Agarwal S, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, Thoracoscopic thymectomy-outcomes in pediatric patients with myasthenia gravis, PESICON, 14 February 2025, Kochi
6. Agarwal S, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, Minimally invasive Thoracic Surgery for Pediatric lung pathologies: Our experience, PESICON, 14 February 2025, Kochi
7. Agarwal S, Kulkarni K, Jain V, Dhua AK, Yadav DK, Goel P, et al, Outcome of children partially treated elsewhere for extracranial malignant germ cell tumor (MGCT) who were then treated at a tertiary care centre, APSOCON 2024, 29 September 2024, Lucknow1
8. Agarwala S, Dhua AK, Verma A, Goel P, Yadav DK, Jain V, et al, The Use of Sirolimus for Complex Veno-Lymphatic Malformations in Pediatric Patients, IAPSCON 2024, 9 November 2024, AIIMS Rishikesh
9. Agarwala S, Yadav DK, Sharawat S, Swaroop P, Jain V, Dhua AK, et al, Promotor methylation and transcriptional profile of long non coding (lnc) RNA h19 in patients with Wilms tumor, IAPSCON 2024, 9 November 2024, AIIMS Rishikesh2
10. Choudhury P, Goel P, Designing Nomogram Curves with R: The Methodology Illustrated (Oral), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 31 May 2024, Fukuoka, Japan

11. Choudhury P, Goel P, Jain V, Yadav DK, Dhua AK, Divya G, et al, Utility of Matrix Metalloproteinase-7 (MMP-7) in Differentiating Surgical Jaundice (Biliary Atresia) from Neonatal Hepatitis: A Systematic Review and Meta-analysis (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

12. Choudhury P, Goel P, Agrawal V, Kandasamy D, Jain V, Dhua AK, et al, Where do I cite the Umbilicus: Extrophy-epispadias and other Malformations (Oral), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 30 May 2024, Fukuoka, Japan 3

13. Choudhury P, Goel P, Agrawal V, Kandasamy D, Jain V, Yadav DK, et al, Umbilical Morphometry and Centile Curves in Boys Aged 1-14 Years: Establishing Reference Values for Umbilical Reconstruction (Oral), Annual Conference of RIPSS, 6 December 2024, Jammu,

14. Choudhury P, Goel P, Anand S, Jain V, Yadav DK, Dhua AK, Does tissue sealing promote healing? A systematic review and meta-analysis highlighting the role of tissue sealant application in hypospadias surgery (Oral), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 31 May 2024, Fukuoka, Japan

15. Choudhury P, Goel P, Jain V, Dhua AK, Yadav DK, Agrawal V, et al, Techniques for Measurement of Penile Length: Evidence Synthesis through Systematic Review (Poster), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 29 May 2024, Fukuoka, Japan

16. Choudhury P, Goel P, Jain V, Yadav DK, Dhua AK, Pediatric Penile Anthropometry Nomogram for Indian Population (Poster), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 29 May 2024, Fukuoka, Japan

17. Choudhury P, Goel P, Kalaivani M, Jain V, Yadav DK, Dhua AK, et al, SPLINT Technique for Stretched Penile Length Measurement in Children: Systematic Review, Validation Study, and Reference Nomograms with Associated Testosterone and Dihydrotestosterone Levels in Ages 1-14 Years: A Transformative Contribution to Clinical Care (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

18. Choudhury P, Goel P, Mukherjee S, Kalaivani M, Jain V, Yadav DK, et al, Pediatric Penile Anthropometry Nomogram: Establishing Standardized Reference (Oral), Annual Conference of RIPSS, 6 December 2024, Jammu, 4

19. Choudhury P, Goel P, Phugat S, Agarwal V, Jain V, Yadav DK, et al, Translational Value of Glans-Urethral Meatus-Shaft (GMS) Score in Improving Outcomes of Surgery for Hypospadias Patients (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

20. Choudhury P, Goel P, Phugat S, Jain V, Yadav DK, Dhua AK, et al, Defining the Indications of PATIO Technique for Urethrocutaneous Fistula Repair (Poster), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 29 May 2024, Fukuoka, Japan

21. Das P, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, Thoracoscopic management of Esophageal Lung: Case Report, PESICON, 14 February 2025, Kochi

22. Das P, Verma A, Anand S, Methylene blue-Guided lymphatic sparing Laparoscopic Vericelectomy in children, PESICON2024, 15- February 2025, Kochi 5

23. Dhua AK, Jain V, Yadav DK, Goel P, Agarwal S, Malik R, et al, Utilizing Neurocotton Patty to Establish an Extra-Mucosal Plane in Laparoscopic Heller's Cardiomyotomy: Our Evolving Experience, IPEG 2024, 21 June 2024, Las Vegas, USA

24. Dhua AK, Yadav DK, Goel P, Jain V, Agarwala S, Verma A, et al, Thoracoscopic Esophagectomy for Stricture Oesophagus and Oesophageal Replacement: Our Experience with Three Pediatric Cases, IAPSCON 2024, 9 November 2024, AIIMS Rishikesh6

25. Divya G, Kumar S, Sharma J, Pandey H, Jain V, Dhua AK, et al, Study on genetic markers in Hepatoblastoma by Whole exome sequencing to detect CTNNB1 Gene Polymorphism, APSOCON 2024, 28 September 2024, Lucknow

26. Divya G, Kundal VK, Debnath PK, Agarwala S, Srinivas M, et al, Genitourinary Trauma in Pediatric Patients, IAPSCON 2024, 8 November 2024, Rishikesh7

27. Goel P, Phugat S, Gupta KL, Choudhury P, Jain V, Dhua AK, et al, Milk Injury In Children: Tradition Versus Nutrition (-al Science) (Oral), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 31 May 2024, Fukuoka, Japan

28. Kulkarni K, Dhua AK, Yadav DK, Jain V, Goel P, Kandasamy D, et al, Late-Onset intractable Hematuria in a child with Bladder Prostate Rhabdomyosarcoma, APSOCON 2024, 28-29 September 2024, SGPGI, Lucknow 8

29. Kumar S, Goel P, Sharma J, Jain V, Yadav DK, Dhua AK, et al, Identification and Validation of Somatic Variants in Hepatoblastoma (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi, India

30. Luthra T, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, Thoracoscopic management of recurrent mediastinal bronchogenic cyst-considerations on surgical planning and execution, PESICON, 14 February 2025, Kochi

31. Monikha P, Dhua AK, Yadav DK, Jain V, Goel P, Agarwala S, et al, Postoperative Outcomes in Pediatric Patients with Extrahepatic Portal Venous Obstruction (EHPVO): A Retrospective Study from a Tertiary Care Center in North India, Masterclass in Pediatric Hepatobiliary Surgery (MPHBS) 2024, 5 October 2024, AIIMS Jodhpur

32. Mukherjee S, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, A challenging case of left sided duplex with ureterocele managed with vesicoscopic repair, PESICON, 14 February 2025, Kochi

33. Mukherjee S, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al, Thoracoscopy in neonate with pure EA-journey from traction to management of complications, PESICON, 14 February 2025, Kochi

34. Phugat S, Choudhury P, Goel P, Jain V, Yadav DK, Dhua AK, Spina Bifida And Folic Acid- Systematic Review and Meta-Analysis (Poster), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 29 May 2024, Fukuoka, Japan

35. Phugat S, Choudhury P, Goel P, Jain V, Yadav DK, Dhua AK, Dear Laparoscopic Surgeon: A Word of Caution with the Use of Glutaraldehyde!!! (Oral), 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 31 May 2024, Fukuoka, Japan

36. Phugat S, Goel P, Chettri M, Jain V, Dhua AK, Yadav DK, et al, Genetic Landscaping in Exstrophy-Epispadias Complex (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

37. Phugat S, Goel P, Gupta KL, Choudhury P, Jain V, Dhua AK, et al, Exploring the Link Between Milk Consumption and Iron-Deficiency Anemia in Children: Tradition Versus Nutrition (-al Science) (Oral), 11th International Conference on Nutrition and Growth, 15 February 2024, Lisbon, Portugal

38. Phugat S, Goel P, Jain V, Dhua AK, Yadav DK, Agrawal V, et al, Tracheopexy as an alternative to Aortopexy in Esophageal Atresia, 61st Annual Congress of the Japanese Society of Pediatric Surgeons, 30 May 2024, Fukuoka, Japan 2

39. Phugat S, Goel P, Sharma J, Jain V, Dhua AK, Yadav DK, et al, Role of MUC3A Gene in Paediatric Renal Malignancies: A Systematic Review (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

40. Phugat S, Saroya KK, Goel P, Jain V, Dhua AK, Yadav DK, Antenatal Diagnosis of Hypospadias - A Systematic Review and Meta-Analysis (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

41. Phugat S, Sharma J, Kumar S, Jain V, Dhua AK, Yadav DK, et al, Genetic landscape of congenital pouch colon: systematic review and functional enrichment study (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

42. Sharan R, Choudhury P, Kashyap S, Mukherjee S, Gupta S, Chaturvedi PK, et al, Nomograms and Reference Intervals for Serum Testosterone and Dihydrotestosterone in Indian Boys, IAPSCON 2024, 9 November 2024, AIIMS Rishikesh

43. Sharan R, Kumar S, Sharma J, Suravajhala PN, Mathur P, Jain V, et al, Copy number variant analysis reveals Novel Genetic insights in Congenital Pouch Colon, IAPSCON 2024, 9 November 2024, AIIMS Rishikesh

44. Sharma J, Goel P, Kumar S, Jain V, Yadav DK, Dhua AK, Identification of a FREM2 Variant in Posterior Urethral Valves: Insights from Trio Exome Sequencing of Three Families (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

45. Sharma J, Goel P, Kumar S, Jain V, Yadav DK, Dhua AK, Novel CTNNB1 Gene Mutations Reveal Critical Pathogenic Mechanisms in Pediatric Hepatoblastoma (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

46. Sharma J, Goel P, Kumar S, Jain V, Yadav DK, Dhua AK, Novel Genetic Variants Associated with Wilms Tumor: Expanding The Genetic Landscape (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi

47. Sharma J, Goel P, Kumar S, Jain V, Yadav DK, Dhua AK, Novel AMH Variant and Multigenic Contributions in Persistent Müllerian Duct Syndrome (Poster), 4th AIIMS Research Day 2025, 30 January 2025, Delhi, India

48. Uttaray S, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al., Short-Term Outcomes of Pediatric Heller's Cardiomyotomy: A Retrospective Single-Center Study, PESICON, 15 February 2025, Kochi

49. Uttaray S, Jain V, Agarwala S, Goel P, Yadav DK, Dhua A, et al., Indocyanine Green (ICG) Guided Lymphatic Sparing Laparoscopic Varicocelectomy - A Case Report, PESICON, 15 February 2025, Kochi
50. Uttaray S, Pandey R S, Dhua AK, Jain V, Yadav DK, Goel P, et al., Intractable Pruritus in PFIC- What the surgeon can offer? Masterclass in Pediatric Hepatobiliary Surgery (MPHBS) 2024, 5 October 2024, AIIMS Jodhpur
51. Uttaray S, Yadav DK, Krishnan N, Dhua AK, Jain V, Goel P, et al, Survival Audit of patients with Biliary Atresia After Kasai's Portoenterostomy, Masterclass in Pediatric Hepatobiliary Surgery (MPHBS) 2024, 5 October 2024, AIIMS Jodhpur
52. Verma A, Anand S, Transverse testicular ectopia, PESICON2024, 15- February 2025, Kochi
53. Verma A, Anand S, Yadav DK, The fate of renal units under conservative management for PUJO type of hydronephrosis, SBUR24, 15 November 2024, Phoenix, USA
54. Verma A, Goswami C, Role of PS6, COX2, MMP9 in Choledochal Cyst malformations: an immunohistochemical evidence, ISPSR24, 21 September 2024, Stockholm, Sweden
55. Verma A, Mukherjee S, Ureteric obstruction, enigma of site involved, DAPS Annual Meeting, 7 April 2024, AIIMS, New Delhi
56. Verma A, Yadav DK, Anand S, Early results of utility of contrast-enhanced ultrasound in assessing renal function in patients with unilateral ureteropelvic junction obstruction, SBUR24, 15 November 2024, Phoenix, USA
57. Yadav DK, Agarwala S, Jain V, Dhua A, Goel P, Sharawat SK, et al., Status of 1q gain in Wilms tumor – a Prospective evaluation at a major tertiary care centre in India, SIOP, Honolulu 2024, 16th to 20th October 2024, Honolulu, Hawaii
58. Yadav P, Yadav DK, Agarwala S, Jain V, Dhua AK, Goel P, et al., Study of clinical significance of genetic alterations and feasibility of adopting Children Oncology Group. Risk based stratification of Wilms Tumor in Indian children., APSOCON 2024, 28-29 September 2024, SGPGI, Lucknow

    1-Best paper award

    2-Best paper award

    3- Best paper award

    4-Travel Grant of JPY 100000 from the Japanese Government

    5-Best paper award

    6-Best paper award

    7-Best paper award

    8-Best paper award

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
32	40	58

RESEARCH

Funded

Ongoing

1. Ambispective observational study to access alteration in gut microbiota in operated patients of choledochal malformations, Dr Ajay Verma, AIIMS, New Delhi, 2 Years, 2025-2027, Rs 9.75 Lakhs
2. Development of a portable rapidly adjustable camera holding device to minimize image tremor and fatigue of the camera holding assistant during minimally invasive surgery in children- AIIMS-IITD collaboration, Dr. Vishesh Jain, AIIMS, 3 Years, 2021-2024, Rs 10 Lakhs
3. Development of Technology-based Doctor-Patient Interface to Facilitate Patient Care and Health Research in Paediatric Urology, Dr. Prabudh Goel, ICMR, 3 Years, 2022-2025, Rs 125 Lakhs
4. Discovery of RNA (long non-coding) markers for CAKUT malformations predisposing to renal failure, Devendra Kumar Yadav, ICMR, 3 Years, 2024-2027, Rs 84 Lakhs

5. Genetic Signature of cisplatin induce hearing loss in Pediatric Cancer survivors, Dr. Vishesh Jain, ICMR, 3 Years, 2025-2028, Rs 106.09 Lakhs
6. Histopathologic and immunohistochemical findings in the distal rectal pouch of high and low anorectal malformations, Devendra Kumar Yadav, Intramural, 2 Years, 2022-2024, Rs 10 Lakhs
7. Infrared Signature of Paediatric surgical wound thermographic profiles and Early-stage test-accuracy study to Predict the surgical site infection and Development of deep learning based artificial intelligence technique for automatic image segmentation, Dr. Anjan Kumar Dhua, ICMR, 3 Years, 2023-2026, Rs 87 Lakhs
8. Liquid biopsy approach to assess the expression of circular RNAs (circRNAs) and long non coding RNAs (lncRNAs) as a prognostic biomarker in Hepatoblastoma, Dr Gali Divya, AIIMS, New Delhi, 2 Years, 2025-2027, Rs 10 Lakhs
9. Multi-centric Network for Biobanking, Geographic-Stratified Molecular Profiling, and Precision Medicine Development in Pediatric Solid Tumors, Dr. Prabudh Goel, ICMR, 4 Years, 2024-2029, Rs 790 Lakhs
10. Multi-centric Pan-India study to Develop pediatric solid tumor gene panel for the Indian population through whole exome sequencing, Dr. Prabudh Goel, ICMR, 3 Years, 2024-2027, Rs 190 Lakhs
11. Multi-centric study for metabolomic profiling of Hypospadias: First study on Indian cohort to characterise the metabolic derangements and identify Biomarkers or new therapeutic targets in different (Severity-based) sub-type of the disease, Dr. Prabudh Goel, DHR, 3 Years, 2024-2027, Rs 200 Lakhs
12. Post-Operative Complications in Pediatric Urology: Role of Frailty, Nutrition and Perineal Microbiome (Looking Beyond Disease, Surgeon and Surgery), Dr. Prabudh Goel, ICMR, 3 Years, 2025-2028, Rs 190 Lakhs
13. Role of Urinary Prohibitin and other biomarkers at Diagnosis in children with favourable histology Wilms tumour in predicting tumour response and risk of recurrence, Dr. Vishesh Jain, DHR, 3 Years, 2022-2025, Rs 29.11 Lakhs
14. Single-centre Study for Identification of Genetic Markers Towards Development of a Gene Panel to serve as a Point-of-care Test to predict the risk of Spina Bifida for the Indian Population, Dr Prabudh Goel, SERB, 3 Years, 2024-2027, Rs 140 Lakhs
15. Whole Exome Sequencing of Hypospadias Patients Family Trios for Identification and Validation of Genetic Markers and Development of a Genetic Panel for Hypospadias Risk Assessment, Dr. Prabudh Goel, ICMR, 3 Years, 2022-2025, Rs 150 Lakhs

Completed

1. Biochemical and enzymatic analysis of bile in choledochal cyst and correlation with histopathological features and expression of immunomodulators, Dr Ajay Verma**,** AIIMS, New Delhi**,** 2 Years**,** 2021-2023, Rs 9.98 Lakhs
2. Cross-sectional Study to establish a normal reference range (nomogram) for Testosterone and Di-hydro testosterone in boys of age group 0-14 years, Dr. Prabudh Goel, ICMR, 4 Years, 2019-2023, Rs 250 Lakhs
3. Incidence and severity of psychosocial and somatic disorders in survivors of childhood solid malignant tumors., Dr. Vishesh Jain, ICMR, 3 Years, 2021-2024, Rs 350 Lakhs
4. Study of clinical significance of genetic alterations and feasibility of adopting Children Oncology Group (COG) risk stratification of Wilms tumor in Indian Children, Devendra Kumar Yadav, ICMR, 3 Years, 2021-2024, Rs 480 Lakhs
5. To Evolve Evidence-Based Hypospadias Repair guidelines for Hypospadias Repair (Urological Condition) in the Indian context, Dr. Prabudh Goel, ICMR, 3 Years, 2021-2024, Rs 80 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A descriptive study of intra-operative and early post-operative complications in paediatric abdominal solid tumor surgery in a tertiary care centre in India
2. A pilot project to evaluate the benefits of VR exercises in improvement of Eye Hand co-ordination in surgical trainee.
3. A prospective, observational study to assess the neurodevelopmental impairments in Indian children who are being subjected to general anesthesia during the first five years of life for surgical procedures.

4. Analysis of Neonatal Surgical ICU admissions and outcomes, a post pandemic perspective.
5. Assessment of ureteric jets as a prognostic indicator for long term follow up of unilateral pelviureteric junction obstruction post Anderson-Hynes pyeloplasty and correlation with urinary Monocyte chemoattractant protein 1 levels
6. Comparison of diagnostic modalities (retrograde genitogram, perineal ultrasound and cystourethroscopy) in evaluation of posterior urethra in proximal hypospadias
7. Comparison of various defecographic findings in continent versus incontinent patients of anorectal malformation.
8. Comparison of various defecography findings in continent vs incontinent patients of anorectal malformation
9. Correlation of high-resolution anorectal manometry and Krickenbeck clinical scoring system in patients of Anorectal Malformation post 2 years of complete correction
10. Difference in the functional outcome amongst girls with low ARM between those who had perineal wound complications and those who did not - A case control study
11. Effect of early foley's catheter removal on hospital discharge timing following Paediatric laparoscopic pyeloplasty: A Randomised Controlled Trial
12. Infrared and visible spectrum image characteristics of infantile hemangiomas and their evolution
13. Knowledge, Attitude, and Practice Questionnaire for Pregnant Women with Fetuses Having Surgically Correctable Congenital Malformations: A Hospital-Based Study

Completed

1. Comprehensive analysis of pediatric mesenteric cysts with clinical presentation, diagnostic challanges, surgical management, and outcome.
2. Perils in closed gastroschisis-its diagnosis and management as a rare variant of abdominal wall defect
3. Transcriptomic profiling for patients with congenital anomalies of kidney and urinary tract.

Collaborative projects

Ongoing

1. A Quasi-Experimental Study to Assess the Impact of Family-Centered Care Intervention on the Practices and Attitudes of Nurses and Primary Caregivers in Pediatric Surgery at AIIMS, New Delhi, College of Nursing
2. A study on a novel urinary biomarker in PUJO (pelviureteric junction obstruction) - PTGR1 (Prostaglandin reductase 1, Biochemistry and Nuclear Medicine
3. Ambispective observational study to access alteration in gut microbiota in operated patients of choledochal malformations, Department of Microbiology
4. Comparison of biliary gastritis in children with Choledochal cyst after laparoscopic Hepaticojejunostomy vs. Hepaticoduodenostomy: a randomised trial, Pathology, Nuclear medicine, Pediatrics
5. Difference in the functional outcome amongst girls with low anorectal malformations between those who had perineal wound complications and those who did not- a case control study, Radiology
6. Disease characteristics, complications and outcomes of management of Wilms tumor, Biostatistics
7. Evaluation of renal outcomes and compensatory hypertrophy in operated unilateral Wilms' tumor patients, Pediatrics, Medical Oncology, Radiodiagnosis
8. Outcome of management of Hepatoblastoma, Medical Oncology, Pediatric Oncology, Radiology, Nuclear medicine
9. Outcome of Management of Neuroblastoma, Medical oncology, radiation oncology
10. To evaluate the disease characteristics, management, and outcomes of all children treated for Neuroblastoma from August 2009 to June 2024 in the department of Pediatric Surgery at AIIMS New Delhi, Medical Oncology, Pediatric Oncology, Radiology, Nuclear medicine, radiation Oncology

Completed

1. Biochemical and enzymatic analysis of bile in choledochal cyst and correlation with histopathological features and expression of immunomodulators., Department of Pathology, Department of Laboratory Medicine

2. Presentation, treatment and outcomes of children with extra- cranial malignant germ cell tumour, Medical Oncology, Radiology
3. To study the clinical characteristics, management options and outcomes of various neonatal tumours, Medical Oncology, Radiology

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	11	15	15
Total funding	Rs 74.99 Lakhs	Rs 1196.86 Lakhs	Rs 2130.95 Lakhs

Publications

Journals: 33 **Abstracts: 06** **Chapters in Book: 03**

Publications

	2022–23	2023–24	2024–25
Journal Articles	33	45	33
Abstracts	10	22	6
Chapters	4	3	3
Books/ Monographs	NIL	NIL	NIL

PATIENT CARE

Out-patient Department.

Pediatric surgery out-patient department is run every day. In addition, specialty clinics are also run to provide more focused attention to few conditions.

Various specialty clinics run by the department and faculty:

Monday: Pediatric GI & Hepatobiliary Clinic (Afternoon)

Tuesday: Antenatal Diagnosis and Follow-up (Forenoon)

Wednesday:

Vascular malformation clinic (Forenoon)

Pediatric Urology Clinic (Afternoon)

Craniosynostosis Clinic (Afternoon)

Thursday: IRCH: Pediatric Solid Tumor Clinic (Afternoon)

Friday: Pediatric Thoracic Surgery Clinic (Forenoon)

Pediatric Urology Clinic (Afternoon)

Saturday: Pediatric Urology, Intersex and Hypospadias (Forenoon)

Facilities available

- Intensive care unit for neonatal surgical patients
- High dependency area for Pediatric Surgical patients
- Computer based Urodynamic and uroflowmetry study
- Computer based Anorectal manometry
- Computer based Esophageal manometry

Community services

Weekly outpatient clinic and operative session at CRHSP, Ballabhgarh (Services temporarily on hold in view of civil work being done in the premises for renovation)

Attendance in OPD and Specialty Clinics

ATTENDANCE	2022–2023	2023–2024	2024–2025
General OPD	27, 718	29, 593	26, 950
Hydrocephalus Clinic	13	05	05
Pediatric Urology Clinic (W/T/F)	1, 106	1, 451	3, 433
Intersex and Urology Clinic (DSD+ PISU)	37	95	108
GI Clinic	NA	NA	120
Tumor Clinic (main hospital)	539	453	Stopped
Tumor Clinic (IRCH)	2, 076	2, 367	New-286 Old-2748
Vascular Malformation Clinic	NA	54	619
CRHSP, Ballabhgarh	1673	Nil	On-Hold

Admissions

ADMISSIONS		2022–23	2023–24	2024–25
6A ward (Mother & Child block **since August 2023**)		Not applicable	388	755
	Long admissions	Not applicable	388	719
	Short admission	Not applicable	Nil	36
6B ward (Total)		Total 625	Total 1802	1536
	Long admissions	544	1469	1278
	Short admission	81	333	248
Newborn Surgical ICU admissions AB5/ ICU [6C ICU (shifted to Mother child block **since 13th August 2023**)]		128	156	97
Private Ward		--	166	70
Total admissions		**2148**	**2356**	**2458**

Surgical Procedures

SURGICAL PROCEDURES	2021–22	2022–23	2023–24	2024–25
Main OT				
Major Procedures	834	1485	2085	1973
Minor Procedures	44	16	08	2
Emergency (Main OT Complex-ward Block)				
Major Procedures	327	398	383	39
Minor Procedures	Nil	1	04	-
Emergency (Mother and Child Block)				
Major Procedures	NA	NA	195	476
OPD Procedures				
Total	1648	2367	2048	2745
Biopsies	44	66	55	30

CRHSP, Ballabhgarh*				
Major Procedures	71	163	--	--
Minor Procedures	Nil	6	--	--

*Services temporarily on hold

Special Investigations

Special Investigations	2022–23	2023–24	2024–25
1. Urodynamic study	372	495	544
2. Uroflowmetry	681	810	958
3. Anorectal manometry	110	78	116

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Sandeep Agarwala received Dr Dorairajan Lifetime Achievement Award of IAPS 2024. Honorary fellowship of the Association of Pediatric Surgical Oncology (APSO) section of the Indian Association of Pediatric Surgeons (IAPS). AIIMS Bhopal Pediatric Surgery Day Oration. Editor for the surgical section of the Indian Journal of Pediatrics (IJP). National Chairman for the Expert group developing standard treatment workflows (STW) for Pediatric Surgery of the Department of Health, Ministry of Health and Family Welfare (GOI). National chairman developing package costs for Ayushman Bharat. Member and Chair of the committee constituted by DGHS to frame guidelines for the treatment of children with DSD. Member of the committee for establishing national guidelines for the management of Pediatric Trauma set up by the DGHS. Examiner for Thesis of multiple candidates from various Universities. External expert in the selection committee for Faculty at no. of AIIMS, JIPMER, PGIMER, and other Universities. Chairman Scientific Sessions in a number of conferences. faculty for the International Pediatric Surgical Oncology Masterclass held at Dar-es-Salam. Chairman of the Hospital Management Board of AIIMS. Chairman AIIMS annual report committee. Chairman of the committee for thesis guide allocations. Chairman of the Pulse coordination committee for student activities. Chairman of the Annual Report Committee and Tender specifications committee for all purchases (Groceries, Fruits and vegetables, milk and milk products) for the hospital kitchen. Chairman of the committee for rationalization of manpower distribution for the Hospital. Chairman for two enquiry committee. Chairman of the Medical Board for a transgender patient for gender reassignment. Member PhD counseling committee, anti-ragging committee, Annual Convocation Committee, the TSEC, and store purchase committee of the department.

Professor Vishesh Jain was Examiner for Thesis of multiple candidates from Delhi University. External expert in the selection committee for Specialist (Pediatric Surgery) ESIC December 2023. Member expert National Health Authority. Chairman, Medical Record Committee, Mother Child block. Member, Committee for Mother and Child Block NABH certification. Member, Committee for Patient Safety and Quality (MCH).

Professor Anjan Kumar Dhua was Section Editor, Section 5: Sex Chromosome DSD. In: Ratan SK, ed. Disorders of Sex Development: An Integrated Approach to Management. Singapore: Springer; 2024. p. 205-244. Expert/reviewer for Research Scheme Under Council of Science and Technology, UP (CST, UP). Invited by NBE as an assessor to undertake the physical assessment of the facilities and infrastructure of a hospital in Delhi. Delhi, for accreditation in Pediatric Urology specialty-18 May 2024. Invited to a one-day meeting of a National high-powered committee constituted to discuss the controversial issue. Pertaining to surgery in children with Disorders of Sex Development and related conditions, AIIMS Delhi, 11 May 2024. Judge for "Robotic Paper Session" in IAPSCON 2024, held at AIIMS Rishikesh on 7 November 2024

Judge for GI SURGERY SUPERSHORTS-2 session in IAPSCON 2024, held at AIIMS Rishikesh on 8 November 2024. Judge for Poster Walk session, PESICON 2025, Kochi. Member of Committee of AIIMS Delhi for the preparation of 68th Annual Report for the year 2023-2024. Member of Institute Annual Convocation Committee. Nodal officer for Compiling the Annual Report of the Pediatric Surgery Department. Robotic Training at the Animal Lab, Amrita Institute on DaVinci Xi Surgical Robot (12 -13 February 2025). Specialist Board member in the discipline of Paediatric Urology of the National Board of Examinations in Medical Sciences.

Professor Prabudh Goel Travel Grant of JPY100000 from the Japanese Government for "Where do I cite the Umbilicus: Extrophy-epispadias and other Malformations" (May 30, 2024). Travel Grant of JPY100000 from the Japanese Government for "Tracheopexy as an alternative to Aortopexy in Esophageal Atresia" (May 30, 2024). First prize "Pediatric Penile Anthropometry Nomogram: Establishing Standardized Reference Values" in RIPSS at AIIMS, Jammu (6 December 2024). Milk Injury in Children: Tradition Versus Nutrition (-al Science): Young Scientist Award at Samaj Vikas Sansthan, Meerut. Arya Bhatt Scientist Award: Samaj Vikas Sansthan, Meerut. Rashtriya Gaurav Award: Anti-Corruption Movement Bharat.

Award of Appreciation from the College of Nursing, New Delhi, for serving as a Resource Person in the Workshop on 'Medication Optimization and Bundle Care: Nurses 'Concerns.' Inducted as Faculty: In the Centre for Guidelines, Department of Health Research, Ministry of Health and Family Welfare, Government of India. Chairman of Research and Innovation in Pediatric Surgery (RIPSS) 2024-2025. Special guest at Samaj Vikas Sansthan, Meerut.

Dr Devendra Kumar Yadav was Examiner for Thesis of multiple candidates from Delhi University. External expert in the selection committee for Specialist (Pediatric Surgery) MAMC, Delhi 2023. Member, Pediatric Surgery, National Board of Examination.

Dr Ajay Verma Participated in a Live Phone-in program titled "Public Speak" on the topic of "Tackling Malnutrition through Poshan Abhiyaan" on AKASHVANI on 31 March 2025 from 9:30 PM to 10:00 PM. Admitted as a Fellow to the Society of Pediatric Endoscopic Surgeons of India" in 2025- 16 February 2025. Member of Hospital Infection Control Committee. Member of Various Technical Specification Expert Committees of AIIMS. Admitted as a Fellow to Society of Pediatric Urology" in 2024- 31 August 2024. Member of the Medical Board at AIIMS in compliance with the Hon'ble National Consumer Disputes Redressal Commission, New Delhi, as an expert. Successfully completed the course and passed the exam of "Information Security and Cyber Forensics" of SWAYAM conducted by NTA on 26 May 2024. Chairman & Organizer of DHR funded "Regional Capacity Building in Systematic Reviews in India- SARANSH (Systematic Reviews and Networking Support in Health) 18-12 December 2025. An expert committee member of IAPS high-powered committee constituted to discuss the controversial issues pertaining to surgery in children with Disorders of Sex Development and related conditions scheduled on 11 May 2024.

Dr Sachit Anand was Principal Investigator, Organizing Secretary and Lead Faculty to conduct the Regional Capacity Building Workshop on Systematic Reviews and Meta-analysis under the SARANSH (Systematic Reviews and Networking Support in Health) initiative by Department of Health Research (DHR), Ministry of Health and Family Welfare (MoHFW), Government of India. Principal Investigator of a Technical Resource Centre (TRC) under the Centre for Evidence for Guidelines, Guidance on Research Governance Scheme, Department of Health Research (DHR), Ministry of Health and Family Welfare (MoHFW), Government of India. Committee member for High-level Brainstorming meeting on " Microbiome: Targeting Therapeutics in Diseases and other Opportunities & quot; by Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India. Member of the Strategic Conclave with Technical Resource Centres under the Centre for Evidence for Guidelines, Department of Health Research (DHR), Ministry of Health and Family Welfare (MoHFW), Government of India at Mahabalipuram, Chennai (23-24 January 2025). Bestowed with the Scientific Social Responsibility (SSR) by Science and Engineering Research Board (SERB), Department of Science and Technology, Ministry of Science and Technology, Government of India. Expert Committee Member for ICMR-i-DRONE projects under the flagship "i-DRONE" initiative of ICMR.

Dr Gali Divya chaired One Session in a workshop on Grant Writing for Extramural Funding – 23 February 2025. Visited Center for Cellular and Molecular Biology, Hyderabad – 12-13 March 2025.

VISITING SCIENTIST

Dr Adrisa Prashar, Medical University Plovdiv, UK 6 to 20 August 2024

Mr Ashvin Sharma, University of Western Australia, 9 to 27 December2024

Dr Ruchira Nandan, Assistant Professors, Department of Pediatric Surgery, BHU, 27 January 2025 to 10 February 2025

Dr Surajit Das, Department of Pediatric Surgery, BHU, 27 January 2025 to 26 February 2025

9.30 Pathology

Professor and Head

Venkateswaran K Iyer

Professors

Ruma Ray (Cardio Neurosciences Centre)	Sandeep R Mathur	Prasenjit Das
Deepali Jain	Geetika Singh (Dr BRAIRCH)	Sudheer Arava (Cardio Neurosciences Centre)
Asit Ranjan Mridha	Shipra Agarwal	Seema Kaushal
Rajni Yadav		Saumya Ranjan Mallick

Additional Professors

Adarsh Barwad	Aanchal Kakkar

Associate Professors

Kavneet Kaur	Aruna Nambiranjan	Ruchi Rathore

Assistant Professors

Rimlee Dutta	Lavleen Singh (Surgical disciplines)	Anubhaw Narwal	Balamurugan T (Surgical disciplines)
Sonali Dixit	Rachana Meena		Ridhi Sood

Group A Officer

Himender Singh Tomar

HIGHLIGHTS

In the year 2024-2025, Department of Pathology maintained high-level academics and efficient clinical services. The department is engaged in routine diagnostic reporting of Surgical Pathology and Cytopathology, and teaching of undergraduate and postgraduate students in addition to performing high quality research in various areas of pathology. The department provided services to large number of patients by processing approximately 65,000 surgical pathology and ~30,000 cytopathology specimens.

The Department is regularly providing advanced molecular tests for routine patient care services related to molecular pathology and cytogenetic work-up, which include Next generation sequencing, *in-situ* hybridization, flow cytometry, tissue microarray, capillary electrophoresis, real-time PCR, etc. The diagnostic and predictive immunohistochemical panel has been expanded and a total of 91,521 slides have been stained and studied during this period.

The molecular testing services are being used for routine diagnostics, as well as for prognostic and predictive purposes in all pathology sub-specialties. A few examples include *PIK3CA* mutations in breast cancers, *EGFR* gene mutations on tissue as well as liquid biopsies, *ALK* and *ROS-1* rearrangements and targeted next generation sequencing in lung cancer, TCR clonality assay in and *MYDD88, BRAFV600E* by real time PCR in lymphomas, multiple gene fusions and other molecular alterations in salivary gland tumors as well as soft tissue sarcomas and *MYCN* amplification in pediatric neuroblastomas.

The Department faculty have received funding for a total of 41 extramural and intramural projects related to pathology and molecular features of wide spectrum of neoplastic and non-neoplastic diseases. The faculty of the department has presented their research work at various virtual national and international conferences and received awards individually or to their residents. A total of 137 papers have been published in peer reviewed national and international journals.

Professor Deepali Jain became the Fellow National Academy of Medical Sciences (FAMS), India, 2024 and was awarded the AIIMS Excellence Research Award Clinical Sciences, Certificate of Excellence, and was listed in Stanford University California list of world's top 2% of scientists. Professor Geetika Singh was invited to be part of the Renal Pathology working group, International society of Nephrology 2024-2025 and to be part of the South Asia Regional Board (SARB) of the International society of Nephrology 2024 – 2025. Dr Shipra Agarwal received AIIMS Excellence Research Award Clinical Sciences, Certificate of Excellence in basic sciences. Dr. Kavneet Kaur and Dr. Aruna Nambirajan became Fellows

of Royal College of Pathologists, United Kingdom. Dr Balamurugan T received Associate fellowship of National Academy of Medical Sciences 2024.

We have many faculty members contributing to World Health Organization (WHO) blue books and purple books for classification of tumors of various systems edited by International Agency for Research on Cancer (IARC), Lyon, France.

EDUCATION

Short term training /Long term training

1. Dr. Mohd Azali Bin Zakariah from 01 February 2024-31 October 2024
2. Dr. Anju Khairwa from 21 November 2024 to 19 December 2024
3. Dr. Swati Sharma from 21 November 2024 to 06 December 2024
4. Dr. Sabita Baral from 01 October 2024 to 31 October 2024
5. Dr. Sajana Karki from 01 October 2024 to 31 October 2024
6. Dr. Santosh Kumar Goit from 01 October 2024 to 31 October 2024
7. Dr. Shilpa Simkhada from 01 October 2024 to 31 October 2024
8. Dr. Shukti Dahal from 01 October 2024 to 31 October 2024
9. Dr. Sion Hangma from 01 October 2024 to 31 October 2024
10. Dr. Sudhesh Man Shrestha from 01 October 2024 to 31 October 2024

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 122

Venkateswaran K Iyer: 3	**Sandeep R Mathur: 10**	**Prasenjit Das: 8**
Deepali Jain: 22	**Geetika Singh: 9**	**Sudheer Kumar A: 6**
Shipra Agarwal: 4	**Asit Ranjan Mridha: 4**	**Seema Kaushal: 5**
Rajni Yadav: 12	**Saumyaranjan Mallick: 11**	**Aanchal Kakkar: 12**
Kavneet Kaur: 2	**Aruna Nambirajan: 4**	**Ruchi Rathore: 2**
Anubhav Narwal: 2	**Rimlee Datta: 1**	**Sonali Dixit: 3**
Rachana Meena: 1	**Balamurugan T: 1**	

Venkateswaran K Iyer

1. Basic of Immunohistochemistry, 11th Basic Hematopathology Course, 21-22 June 2024, Mumbai
2. Emerging trends in laboratory diagnosis, 32 nd National Convention of the BSPCON-2024, 6 July 2024, Dhaka, Bangladesh
3. Morphology of unusual Wilms tumor variants, Pediatric pathology conference, AIIMS Kalyani, 1 February 2025, Kolkata

Sandeep R Mathur

1. Navigating IHC in Breast pathology: Scope and limitations as diagnostic and predictive biomarker, 11th Foundation Weekm CME Cum Workshop on biomarker Interpretation in Breast cancer. 6 April 2024, AIIMS Bhopal, India
2. Pathologist Perspective: What a Gynaecologist should know, Colposcopy course, 22 August 2024, AIIMS, New Delhi
3. Navigating IHC in breast pathology scope and limitations as diagnostic and predictive biomarker, CANPATH 2024 International conference on Advances in cancer Diagnosis and management, 19 & 20 September 2024, Sapthagiri NPS University, Bangalore.

4. Molecular Underpinning of Endoemtrial carcinoma, XXVI IAP-ID Annual CME 2024 Surgical Pathology of the Endometrium, 5 & 6 October 2024, TMH, Mumbai
5. Immunohistochemistry and D-DISH In breast Lesions, Cytocon 204, 54th Annual Conference of the Indian Academy of Cytologists, 15 November 2024, AIIMS, Jodhpur
6. Pathology and Molecular Advances in Endometrial Cancer. Bridging Diagnostics and therapeutics, International CME on Advancements in Surgical Pathology in the Era of Precision Medicine, 24 December 2024, Aligarh Muslim University, India
7. Unusual Cases in Gynae Pathology, CME in pathology Histopathology and Cytopathology, 23 to 25 January 2025, Goa
8. Beyond the ordinary Unusual cases in my practice, Advances in Oncopathology of Breast Tumours, ADOPT, TMC Kolkata, 21-22 February 2025, TMC, Kokata
9. Neoplastic Lesions of the cervix, Liquid-based Cytology (LBC) workshop, 28 February 2025, AIIMS, Vijaypur
10. The Mucin Mystery Mucinous Neoplasms of Ovary, 23rd Annula International Conference Gynaecological Cancers, Innovating, Interating and updating, 21 March 2025, RGCI, New Delhi India

Prasenjit Das

1. Invited talk on 'Approach to diagnosis of luminal GI biopsies' at Gastroenterology Young Masters 2024, GYM 2024, 30 August 2024, Four points Sheraton Delhi, Delhi
2. Core committee meeting on consensus guideline On IBD Diagnosis, IBD Vizag 2024, 3 October 2024, Vizag, Vizag
3. Invited Talk on the 'GBC what surgeons should know?' in XIV National Conference of the Surgeons of Nepal in Pokhara, Pokhara Convention Centre, 22, 23 November 2024, Nepal, Pokhara
4. Invited talk on 'Enteropathic small bowel disorders', Guest Lecture, 22 November 2024, Manipal Hospital, Pokhara, Pokhara, Nepal
5. Invited talk on 'If all centres un India should have a specialist GIpathologist' at ISGCON Varanashi 2024, ISGCON Varanashi 2024, 6-7 December 2024, Varanasi Convention Centre, Varanasi
6. Invited Talk on 'Vascular Liver Diseases' in Liver CME at APCON 2024, APCON 2024, 11-15 December 2024, SCB Medical College, Bhubaneshwar
7. Invited Talk on 'How to differentiate IBD and non-IBD type colitis' in CME on IBD at APCON 2024, APCON 2024, 11-15 December2024, SCB Medical College, Bhubaneshwar
8. Invited talk on 'Approach to chronic Hepatitis, especially autoimmune hepatitis', Liver Pathology Conference 2025, 1-2 March 2025, AIIMS Mangalgiri, Mangalgiri

Deepali Jain

1. Interpretation of small biopsies and cytology of lung cancer WHO recommendations. National Board of Examinations webinar. 2 April 2024, Online
2. Panelist. Panel discussion Lung cytopathology, CKon 2024, 20 April 2024, Kottayam, Kerala
3. Molecular profiling in lung cancer cytopathology, CKon 2024, 20 April 2024, Kottayam, Kerala
4. Ancillary techniques in lung cancer cytopathology, CKon 2024, 20 April 2024, Kottayam, Kerala
5. Molecular testing in lung cancer. National Board of Examinations webinar, 21 May 2024, Online
6. Cytologic Evaluation of NSCC Doing a Lot With a Little. Pulmonary Pathology Society Meeting, 20-22 June 2024, New York, USA
7. Ancillary techniques in lung and mediastinal tumors, XVIIth Annual State Cytology Conference 2024 (Indian Academy of Cytologists-West Bengal Chapter). 24 August 2024, Kalyani
8. Ancillary techniques in lung cytopathology. UP Cytocon. 14 September 2024, Varanasi

9. NGS: what happens behind the scenes in the lab. The workflow, Lung Masterclass. 28 September 2024, New Delhi
10. Panelist. Role of tumor board and MDT management of advanced metastatic NSCLC. NALCCON. 5 October 2024, Rishikesh
11. Liquid biopsy: Current practice and future prospects. NALCCON, 5 October 2024, Rishikesh
12. Pulmonary Malignancies – Morphology And Role Of Molecular Testing, A Step Forward. Symposium on Exfoliative Pulmonary Cytology. Cytocon. 16 November 2024, Jodhpur
13. Utility of cell block in fluid/effusion cytology. Cell Block Workshop. Cytocon, 18 November 2024, Jodhpur
14. Role of ROSE in EBUS TBNA samples, EBUS Workshop, APCON, 11 December 2024, Cuttack
15. Extra-pulmonary malignancies in EBUS-TBNA samples. EBUS Workshop. APCON, 11 December 2024, Cuttack
16. Liquid Biopsy in Thoracic Pathology: Clinical and Research Perspectives. CME Thoracic Pathology: Morphology to Molecular. APCON, 11 December 2024, Cuttack
17. Moderator, CME Thoracic Pathology: Morphology to Molecular. APCON, 11 December 2024, Cuttack
18. Updates in Pulmonary Pathology. CME on Advances in Surgical Pathology. 24 December 2024, Aligarh
19. Molecular profiling in lung cancer cytopathology. 7th National Conference of Association of Cytologists and Histopathologists, 1 February 2025, Surat.
20. Ancillary techniques in lung cancer cytopathology, 7th National Conference of Association of Cytologists and Histopathologists. 1 February 2025, Surat.
21. Molecular markers in lung cancer. CME on molecular cytopathology. 22 February2025, New Delhi.
22. Debate speaker stand-alone testing followed by multiplex testing in lung cancer. CME Driver Alterations and Targeted therapies in Advanced and Metastatic NSCLC, 2 March 2025, Chandigarh.

Geetika Singh

1. Membranous Nephropathy: Pathology perspectives, GLOMCON Virtual fellowship, 4 April 2024, Online
2. Kidney biopsy & its interpretation, Nephrology Education from a Pediatrics Residents Outlook (NEfPRO), 5 April 2024, Online
3. Clinicopathology conference, World Congress of Nephrology 2024, 13 April 2024, Convention Centre
4. IgAN and IgA dominant glomerulopathies-KM55 as tissue biomarker for differentiation, GLOMCON Webinar, 16 June 2024, Online
5. IgA Nephropathy – Pathology, GLOMCON Virtual fellowship, 14 November 2024, Online
6. Alport Syndrome in India, AIIMS Mayo Clinic Update in Kidney diseases and Transplantation 2024, 7 December 2024, India Habitat Centre
7. Clinicopathology conference, World Congress of Nephrology 2025, 6 February 2025, Yashobhoomi Convention Centre, Dwarka
8. Membranous Nephropathy: Pathology perspectives, GLOMCON Virtual fellowship, 20 February 2025, Online
9. KM55 staining in IgA related disorders, USCAP 2025 – Renal Pathology Society Satellite symposium, 23 March 2025, Convention centre

Sudheer Kumar A

1. Transplant Pathology Meeting, Dr V Ramalingaswami Oration and transplant Pathology Meeting-2024, 31 July 2024, ILBS
2. Scientific poster presentation, 5th Edition of Cardiology World Conference CARDIO 2024, 5-7 September 2024, Rafaelhoteles Atocha
3. Cardiac Allograft Vasculopathy(CAV)-Role of Endomyocardial Biopsy Panel Discussion: Interesting cases of Lung Transplant Biopsy and Endomyocardial biopsy, INSHLT 2024, 18-20 October 2024, Club Babylon & Sheraton Convention Centre
4. Fibrosis in heart failure, Cardiovascular Research Convergence 2024, 26-28 October 2024, NIPER AIIMS

5. Verrucous Proliferation of the Skin, APCON 2024, 11-15 December 2024, SBC Medical College

Asit R Mridha

1. Pathology aspects of bone lesions, RML-Doctors of Orthopedic Association Post Graduate Case-Based Instructional Course 2024, 22 September 2024, New Delhi
2. Unusual presentation of bone neoplasms, 1st CME & Workshop: Updates in soft tissue tumors by Association of Bone and Soft Tissue Pathologists (ABSTP), 19 & 20 October 2024, Bidhannagar, Kolkota
3. Non-neoplastic lesions of synovium, The APCON 2024, the 72nd Annual Conference of IAPM and IAP-ID, under the aegis of the Indian Association of Pathologists and Microbiologists (IAPM) and the International Association of Pathologists-India Division (IAP ID), 11th to 15 December 2024, Cuttack, Odisha
4. Pathology aspects of chronic non-bacterial osteomyelitis and autoimmune synovitis, Master Class In Pediatric Rheumatology, 8 January2025, New Delhi

Shipra Agarwal

1. FNAC of thyroid-recent updates with histological and molecular correlation, Diagnostic week/Endocrine Surgery-CME, 1-7 April 2024, Surgery Block, AIIMS, New Delhi/India
2. Non-invasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP), Pre-Conference CME/ CYTOCON 2024, 54th Annual Conference of the Indian Academy of Cytologists, 15 November 2024, Jodhpur, Rajasthan/India
3. Why the Need for Nuclear Scoring? Encapsulated Thyroid Neoplasms-2022 WHO Update/72nd Annual Conference of Indian Association of Pathologists & Microbiologists, 14 December 2024, Cuttack, Odisha/India
4. Molecular Testing for Fusions, Encapsulated Thyroid Neoplasms-2022 WHO Update/72nd Annual conference of Indian Association of Pathologists & Microbiologists, 14 December 2024, Cuttack, Odisha/India

Seema Kaushal

1. Newer RCCs in WHO 2022, MELAP 2024, 4 April 2024, A.I.I.M.S, New Delhi
2. Interesting Case Presentations, 4thAnnual International Conference of SGUP 2024, 27 September 2024, FMM College & Hospital, Mangalore
3. Moderator of "CME on Prostate Pathology", APCON 2024, 13 December 2024, SCBMed College and Hospital, Cuttack
4. Pathology Aspects of RCCs, Uro-Oncology Update 2024, 24 November 2024, AIIMS, New Delhi
5. Panel Discussion on NeoAdjuvent therapies in bladder cancer, International Congress on Urooncology and Uropathology 2025, 11 January 2025, KIMS, Bhubaneshwar

Rajni Yadav

1. Speaker on "Spectrum of fatty liver diseases", OTPPGP3, 2 April 2024, Online
2. Speaker on "Approach to guided fine needle aspirates of pancreas and liver including new reporting systems", Diagnostic Week, 5 April 2024, Online
3. Panelist on "Management of PanNETs", Endocrine Surgery CME, 6 April 2024, New Delhi
4. Panelist on "Comprehensive Endohepatology: Present and Future", ENDOCON 2024, 19 April 2024, New Delhi
5. Panelist on "Inherited disorders with hyperbilirubinemia in adults", National Symposium on Genetic Diseases, 14 July 2024, New Delhi
6. Speaker on "Acute liver rejection", Dr V Ramalingaswamy Hepatopathology Update 2024, 8 August 2024, New Delhi
7. Speaker on "Approach to duodenal biopsy in a child", Annual APPI CME 2024, 16 August 2024, Puducherry
8. Speaker on "Liver pathology quiz", Gastroenterology Young Masters Program 2024, 1 September 2024, New Delhi
9. Speaker on "The Esophageal biopsy: Looking through the lens", APCON 2024, 13 December 2024, Cuttack
10. Moderator on "The Esophageal biopsy: Looking through the lens", APCON 2024, 13 December 2024, Cuttack

11. Speaker on “Approach to fine needle aspirates of liver and gallbladder”, CME “Histocytopathology – Decoding cells-Defining care”, 22 February 2025, Raipur
12. Speaker on “Gastric biopsy: Looking through the lens”, CME “Histocytopathology – Decoding cells-Defining care”, 22 February 2025, Raipur

Saumyaranjan Mallick

1. Approach to Lymphnode Biopsy, CME on Lymphoma, 23 June 2024, Berhampur, Odisha
2. Diffuse and Nodular lymphoid proliferation, CME on Lymphoma, 23 June 2024, Berhampur, Odisha
3. Bone Marrow Biopsy infiltration by Lymphoma, Raktvigyan-6th Annual conference of Hematology Foundation Bihar (Patna), 11August 2024, Patna
4. WHO 2022 updates: Lymphoid Neoplasm /Lymphoma, Haematocon 2024: 65th Annual Conference of the Indian Society of Haematology & Blood Transfusion (ISHBT), 7–10 November 2024, Nagpur
5. Laboratory Diagnosis of Langerhans cell histiocytosis, Pediatric Hematology Chapter of Indian Academy of Pediatrics CME, 12 December 2024, Virtual
6. Approach to T cell Lymphoma, RAJPATHCON 2024, State Conference of the Rajasthan Chapter of Indian Association of Pathology and Microbiology, 29-1 December 2024, Jaipur
7. Genomics of Peripheral T cell Lymphoma, MPAICON 2025: 12th Annual Conference of the Molecular Pathology Association of India, 13-15 February 2025, Vellore
8. Panelist: Molecular Pathology Education in India, MPAICON 2025: 12th Annual Conference of the Molecular Pathology Association of India, 13-15 February 2025, Vellore
9. Introduction to Next Generation Sequencing, NPSICON 2025: 7th Annual Conference of Neuropathology Society of India, 20 February 2025, New Delhi
10. B cell and T cell Clonality assay by fragment Analysis, NPSICON 2025: 7th Annual Conference of Neuropathology Society of India, 20 February 2025, New Delhi
11. Panelist: Challenges in Precision Medicine, POEM-Precision Oncology Expert Meet, 3 February 2025, Jammu

Aanchal Kakkar

1. Conundrums and Complexities in my Head: Challenges in Diagnosis of Adult Head & Neck Malignancies, IAP-ID Mid- year Teaching Program 2024: “Head and Neck Cancers: Morphology, Virology, Molecular Characteristics, Artificial Intelligence and beyond”, 6 April 2024, AIIMS Raebareilly
2. Contentious Issues in Head & Neck Cancer and Recent Updates, 2nd Indraprastha Apollo Cancer Update, 20 July 2024, New Delhi
3. Sinonasal Tumors: The Round, The Blue, The Relatively New, Preconference workshop “Head and Neck Oncopathology Masterclass: Through the Digital Lens” at 24th National Conference of the Foundation for Head Neck Oncology (FHNO), 17 October 2024, Mumbai
4. Salivary Gland Tumors: The Expected and The Unexpected, Preconference workshop “Head and Neck Oncopathology Masterclass: Through the Digital Lens” at 24th National Conference of the Foundation for Head Neck Oncology (FHNO), 17 October 2024, Mumbai
5. Panel Discussion on Anterior Skull Base Malignancies, 24th National Conference of the Foundation for Head Neck Oncology (FHNO), 18 October 2024, Mumbai
6. Overview of ongoing research at Head and Neck Lab, Keith Hunter Research Group Meeting at Liverpool Head and Neck Centre, 1 November 2024, Liverpool, UK
7. Head and Neck Neuroendocrine tumors, Preconference workshop Neuroendocrine neoplasms: Past, present and possible future – Controversies and consensus at 72nd Annual Conference of IAPM &lAP-ID, 11 December 2024, Cuttack
8. Newer entities and the approach to diagnosis, IAP-ID Symposium “Salivary Gland Pathology: Solving difficult cases and mastering newer concepts” at72nd Annual Conference of IAPM &lAP-ID, 12 December 2024, Cuttack
9. Case Based Discussion on Laryngeal Cancers, UCMS-Uchicago International Conference on Head and Neck Cancers, 25 December 2024, New Delhi

10. Interesting Cases in Pediatric Pathology, CME on Pediatric Pathology, 1 February 2025, Kalyani
11. Adding Missing Pieces to the Jigsaw Puzzle of High-grade Carcinomas involving Salivary Glands, 8th Annual Conference of the Association of Cytologists of Maharashtra, 15 February 2025, Amravati
12. Standardization of Reporting of Head and Neck Cancers, Multidisciplinary Head and Neck Symposiumat 2nd AIIMS Oncology Conclave, 16 February 2025, Jhajjar

Kavneet Kaur

1. Panelist in Early Oral Cancers: FHNO-AOMSI Session, 24th National Conference of the Foundation for Head Neck Oncology (FHNO 2024), 18 October 2024, Mumbai
2. Moderator: DNA methylation workshop, 7th National Conference of Neuropatholgy Society of India (NPSICON 2025), 20 February 2025, New Delhi

Aruna Nambirajan

1. Panelist: Molecular report interpretation in lung cancer, Lung Masterclass. 29 September 2024, New Delhi
2. Utility of cell block in fluid/effusion cytology. Cell Block Workshop. Cytocon, 18 November 2024, Jodhpur
3. Speaker, CME Thoracic Pathology: Morphology to Molecular: Updates – Beyond EGFR, ALK and ROS1 in lung cancer, APCON, 14 December 2024, Cuttack
4. Moderator: DNA methylation workshop, NPSICON, 20 Febraury 2025, New Delhi

Ruchi Rathore

1. Interesting Case presentation, 89th Quaterly CME organized by APP in collaboration with AIIMS, Delhi, 6 April 2024, AIIMS, New Delhi
2. The Role of Lab Technologist in the Era of Automation in Histopathology, 5th National Conference of Indian Confederation of Medical Laboratory Science, 16 November 2024, AIIMS, New Delhi

Anubhav Narwal

1. Urothelial tumors, Uro Oncology Update 2024, Medical Oncology AIIMS, New Delhi, 23-24 November 2024, New Delhi
2. C3 Glomerulopathy, AIIMS-Mayo clinic update in kidney disease and transplant 2024, 7-8 December 2024, New Delhi

Rimlee Datta

1. Cytopathology of soft tissue tumors, NERCON' 2025, 25-27 October 2024, Dibrugarh (Assam)

Sonali Dixit

1. Approach to Cutaneous Adnexal tumors, CME on basic dermatopathology for residents, 22 September 2025, UCMS Medical college, New Delhi
2. Histopathological features of Alopecia areata, Trichotillomania, Hailey-2 disease, Darier's disease, Dermatopathology society of India, 27th Annual Conference, 3 January 2025, GITAM Institute, Vishakhapattanam
3. Cytohistological correlation of Crbriform morular thyroid carcinoma, 89th quarterly CME organized by APP in association with AIIMS Delhi, 06 April 2025, New Delhi

Rachana Meena

1. Interesting Cases, 89th Quarterly CME(organized by APP in collaboration with Department of pathology AIIMS, Delhi), 6 April 2025, New Delhi

Balamurugan T

1. Fluorescent in-situ hybridization: Basics, Application and Troubleshooting, CME by Association of Practicing Pathologists, 6 April 2025, Delhi/India

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023-2024	2024-2025
92	113	122

List of oral papers/posters presented: 90

1. Adhikari SS, Dutta R, Yadav R, Das P, Das KJ, Pal S, Rastogi S, Unraveling the rarity of primary hepatic neuroendocrine tumors: An algorithmic approach towards arriving at a diagnosis, Liver Pathology Conference 2025, 1-2 March 2025, Mangalagiri[3]
2. Adhikari SS, Kaushal S, Bharti V, Satapathy S, Nayak B, Sharma MC, Primary ASPS of kidney mimicking translocation RCC: A diagnosing challenge, APCON 2024, 10 December 24, SCB[2]
3. Adhikari SS, Kaushal S, Jangir H, Narwal A, Nayak B, Seth A, Batra A, Evaluation for Diagnostic Accuracy of The Paris System (TPS 2.0) in Urine Cytology Specimens: An Institutional Experience from a Large Cohort of a Tertiary Care Centre, International Congress on Urooncology and Uropathology2025, 10 January 25, KIMS[1]
4. Adhikari SS, Khandakar H, Yadav R, Rastogi S, Epstein-Barr virus-associated smooth muscle tumor in an immunosuppressed patient: A case report, Liver Pathology Conference 2025, 1-2 March 2025, Mangalagiri[4]
5. Agaimy A, Bradova M, Kakkar A, Stoehr R, Bishop J, Skalova A, Gene Fusion Landscape of Benign Metastasizing Pleomorphic Adenoma of the Salivary Glands: Clinicopathological and molecular analysis of 10 cases, United States & Canadian Academy of Pathology 114th Annual Meeting USCAP 2025, 24 March 2024, Boston, USA
6. Agarwal S, Jung CK, Gaddam P, Hirokawa M, Higashiyama T, Hang JF, et al, PD-L1 Expression Heterogeneity and Its Modulating Factors in Anaplastic Thyroid Carcinoma, Asian Thyroid Working Group Symposium/The 76th Annual Fall Meeting of KSP, 1 November 2024, Seoul, Korea
7. Agrawal S, Singh L, Kakkar A, Tandon A, Agarwala S, Iyer VK, A case of calcifying aponeurotic fibroma: unusual site For an unusual entity, 6Annual International CME of Pediatric Pathology in August 2024, 17-18 August 2024, Puducherry
8. Akolekar D, Yadav R, Das P, Rastogi S, Pal S, Study of histopathological characteristics, c-kit, PDGFRA mutations and SDHB expression in gastrointestinal stromal tumours and its correlation, ECP 2024, 7-11 September 2024, Florence, Italy
9. Amritha SM, Kaushal S, Narwal A, Kumar M, Atrophic Kidney like Lesion (AKLL): Report of a Provisional Entity with Brief Review of Literature, International Congress on Urooncology and Uropathology2025, 10.1.25, KIMS[5]
10. Bansal P, Sood R, Mishra A, Rathore R, Mathur SR, Metaplastic Breast Carcinoma With Melanocytic Twist-A Rare Case Report, Recent updates in FGT and breast, 22 November 2024, Pondicherry
11. Barwad A, Geetika S, Kumar A, Relevance of PDL1 Immunoreactivity in Kidney Allograft Rejection, USCAP annual meeting at Boston USA, 26 March 2025, BOSTON USA
12. Barwad A, Mridha AR, EWSR1::NFATC2 Rearranged Sarcoma-Clinically Distinct & Morphologically Overlapping with Ewing Sarcoma, USCAP annual meeting at Boston USA, 26 March 2025, BOSTON USA
13. Barwad AW, Pragya Shukla, Anubhav Narwal, Geetika Singh, Relevance of PDL1 in kidney allograft rejection, USCAP, 22-27 March 2025, Boston, USA
14. Basu S, Dixit S, Jain D, Cytological evidence of malignancy in pericardial effusion: when all else fails, the heart doesn't lie, CYTOCON 2023, 29 October 2023, Gwalior, MP
15. Basu S, Dixit S, Jain D, Evidence of malignancy in pericardial effusion cytology, AIIMS Annual research day 2024, 29 January 2024, AIIMS, New Delhi
16. Bharathi P, Yadav R, Agarwala S, Jana M, Das P, Iyer VK, Clinicopathological study of undifferentiated embryonal sarcoma of liver in pediatric patients in a tertiary care referral hospital, APPI CME 2024, 16-18 August 2024, Puducherry
17. Bharathi P, Yadav R, Das P, Galodha S, Kataria K, Krishna A, Bhoriwal S, Clinicopathological study of intracholecystic papillary neoplasms of gallbladder at a tertiary care referral institute, IAP 2024, 27-31 October 2024, Cancun, Mexico

18. Chauhan P, Dixit S, Monikongkona M, Agarwal S, Mucoepidermoid carcinoma of thyroid: case report of a rare entity, AIPNA, 2024, 11 February 2024, Chandigarh
19. Dagar S, Jain S, Yadav R, Barwad A, Das P, Shalimar, et al, Hepatic epithelioid hemangioendothelioma: Pathologist to the rescue in an often misdiagnosed rare tumor of the liver, Liver Pathology Conference 2025, 1-2 March 2025, Mangalagiri
20. Dagar S, Saifi S, Kaur K, Kumar R, Panda S, Thakar A, Evaluating the utility of fluorescence in situ hybridization (FISH) in salivary gland tumors: A four-year institutional experience, 12th Annual Conference of Molecular Pathology Association of India MPAICON 2024, 15 February 2025, Vellore[6]
21. Darji K, Shalimar, Gamanagatti S, Yadav R, Jacob TG, Panwar R, et al, Correlation of tumor immune microenvironment traits with response to combined anti-PDL1 and anti-VEGF therapy in hepatocellular carcinoma: An immunotherapy cohort study, Liver Pathology Conference 2025, 1-2 March 2025, Mangalagiri
22. Das P, Ahmed M, Mehra L, Makharia GK, Differential Expression of MiR-15B in Duodenal Biopsies from Seropositive and Seronegative First-Degree Relatives of Celiac Disease Patients: Implications for Seroconversion, USCAP 2025, 25 March 2025, Boston, USA
23. Das P, Akhtar S, Mehra L, Dutta R, Yadav R, Differentiating Ulcerative Colitis, Crohn's Disease, and Intestinal Tuberculosis: Significance of Mucosal Basal Plasmacytosis and Eosinophilia as Distinctive Histological Markers, USCAP 2025, 26 March 2025, Boston, USA
24. Das P, Pandey S, Mehra L, Yadav R, Makharia GK, Das P, Exploring Intra-and Inter-Tumoral Heterogeneity in Gall Bladder Carcinoma: Insights from a Systematically Planned Study, USCAP 2025, 26 March 2025, Boston, USA
25. Datta S, Ajay Gogia, Atul Sharma, Naveet Wig, Hari Krishna Raju Sagiraju, Saumyaranjan Mallick, Ritu Gupta, MCL-063: Clinical Characteristics and Survival Outcomes of Patients with Mantle Cell Lymphoma—a North Indian Tertiary Care Center Experience, Society of Hematologic Oncology (SOHO) 2024 Annual conference, 4-7 September 2024, Houston, Texas
26. Datta S, Gogia A, Sharma A, Wig N, Hari Sagiraju KR, et al, MCL-079: Survival Prediction Models (AIIMS Mantle Cell Lymphoma Overall Survival [AMOS] Score and AIIMS Mantle Cell Lymphoma Event-Free Survival [AMES] Score) for Patients With Mantle Cell Lymphoma From Indian Population, Society of Hematologic Oncology (SOHO) 2024 Annual Conference, 4-7 September 2024, Houston, Texas
27. Datta S, Gogia A, Sharma A, Wig N, SHK Raju, Mallick S, et al, Bone Marrow Involvement and Immunohistochemical Profile in Mantle Cell Lymphoma – Experience from a North Indian Tertiary Care Center over 10 Years, Society of Hematologic Oncology (SOHO) 2024 Annual Conference, 4-7 September 2024, Houston, Texas
28. Debbarma S, Jacob S, Meena R, Nambirajan A, Malik PS, Jain D, Dual Pathology on Pleural Effusion cytology: An Incidental and Rare Association-A Case Report, 9th Annual Conference of Delhi Chapter of Indian Academy of Cytologists, 14 September 2024, Lady Hardinge Medical College, New Delhi
29. Debbarma S, Singh L, Gupta A, Iyer VK, Sanjana. S, BCOR genetic alteration sarcoma with prominent rhabdoid cells: expanding the histomorphological spectrum, 6thAnnual International CME of Pediatric Pathology in August 2024, 17-18 August 2024, Puducherry
30. Dhillon J, Lobo A, Akgul M, Acosta A, Chumbalkar V, Vosoughi A, et al, Current reporting trends, practices, and resource utilization in penile cancer, USCAP 2025, 27 March 25, Convention Centre
31. Dutta R, Mehra L, Agarwal A, Yadav R, Shalimar, Das P, Seropositive versus Seronegative Autoimmune Hepatitis (AIH): Comparative Analyses of Histomorphological Characteristics in Liver Biopsies of AIH Patients, The Liver Week' 2024, 27-29 June 2024, Seoul
32. Gupta R, Fielder T, Bal M, Chiosea S, Dahlstrom J, Kakkar A, et al, Building Global Consensus to Optimize the Interobserver Reproducibility for the Histopathologic Diagnosis of Extranodal Extension in Head and Neck Squamous Cell Carcinoma: An HN CLEAR Initiative, United States & Canadian Academy of Pathology 114th Annual Meeting USCAP 2025, 24 March 2025, Boston, USA
33. Himanshu H, Kaushal S, Seth A, Batra A, Sahoo RK, …, Mridha AR, Profiling DNA damage response and immune checkpoint proteins in metastatic prostate cancer: Unraveling mechanisms of progression and therapeutic potential, Functional and Genomic Precision Medicine in Cancer: Different Perspectives, Common Goals, 11-13 March 2025, Boston, MA
34. Iqbal NM, Ridhi Sood, Mathur S, Ruchi Rathore, Jyoti Meena, Raghuram, Concurrent Loss of SMARCB1 and SMARCA4 in Two Cases of Dedifferentiated Endometrioid Adenocarcinoma: Report of an Unusual Phenomenon, 36th European Congress of Pathology, 7-11 September 2024, Florence, Italy

35. Iyer VK, Rana C, Kakkar A, Saifi S, Agarwala S, Development of a Multiplexed Nanostring-Based Locus Copy Number Assay for Evaluation of 1p/16q loss and 1q gain in Wilms tumor, United States & Canadian Academy of Pathology 114th Annual Meeting USCAP 2025, 24th March 2025, Boston, USA
36. Jadon T, Venkatesh P, Thakkar A, Kanodia A, Barwad A, Dinda A, et al. G, The genetic landscape of Alport syndrome in Indian patients with phenotypic correlation, World Congress of Nephrology 2025, 6–9 February 2025, Delhi
37. Jangir H, Sriram S, Agarwal S, Kumar R, Rastogi S, Gupta Y, … Sharma MC, Evaluation of S-GRAS as a Prognostic Score in Adrenocortical Carcinoma, 53rd Annual Conference of the Endocrine Society of India (ESICON 2024), 7-10 November 2024, Visakhapatnam
38. Kakkar A, Meet S, Iyer VK, Mohanty S, Comprehensive Genomic Profiling, Tumor Mutational Burden, and Microsatellite Instability Status in a Contemporary Cohort of Pediatric Cystic Nephroma and Anaplastic Sarcoma of Kidney, United States & Canadian Academy of Pathology 114th Annual Meeting USCAP 2025, 25 March 2025, Boston, USA
39. Kakkar A, Saifi S, Kumar R, HMGA2 immunoexpression in epithelial myoepithelial carcinomas, 36th European Congress of Pathology ECP 2024, 10 September 2024, Florence, Italy
40. Kaul S, Sood R, Rathore R, Kumari R, Singal S, Mathur S, Insights into Gastric-Type Endocervical Adenocarcinoma and Adenocarcinoma In-Situ: A Five-Year Experience of Eleven Cases, RGCON 2025, 21-23 March 2025, New Delhi
41. Kaur K, Jain D, Ojha S, Srivastava K, Kakkar A, Verma H, Agarwal S, Bhalla AS, Thakar A, Unveiling CDKN2A Copy Number Alterations as a Marker for Recurrence in Sinonasal Phosphaturic Mesenchymal Tumors, United States & Canadian Academy of Pathology 114th Annual Meeting USCAP 2025, 26 March 2024, Boston, USA
42. Kaur S, Kaushal S, Shah K, Satapathy S, Sharma MC, Jain S, Seminal vesicle adenocarcinoma mimicking papillary RCC: A diagnostic conundrum in a 13-year-old boy with Zinner Syndrome, 10 January 2025, Bhubaneshwar, Odisha
43. Kaushal S, A Narwal, V Aggarwal, A Seth, Primary extranodal marginal zone lymphoma of bladder: a rare cause of hematuria in a young male, ECP 2024, 7-11 September 2024, Convention Centre, Italy
44. Kaushal S, Dhillon J, Malik V, Akgul M, Acosta A, Lobo A, et al, Post-therapeutic squamous cell transformation of metastatic prostatic adenocarcinoma with paired molecular profiling: A multi-institutional cohort of an under-reported entity, USCAP 2025, 25 March 2025, Convention Centre, Boston, MA
45. Kaushal S, H Jangir, A Narwal, SS Adhikari, B Nayak, A Seth, Risk stratification of urine cytology specimens using The Paris System (TPS2): An institutional experience from a tertiary care centre, ECP 2024, 7-11 September 2024, Convention Centre, Italy[7]
46. Kaushal S, Shah K, Narwal A, Sahoo R, Batra A, Nayak B, et al, Unravelling the Molecular Heterogeneity and Differential Subtypes of T1 Bladder Cancer: An Exploratory Study, USCAP, 22-27 March 2025, Boston, USA
47. Kumar AS, Yadav U, Yadav R, Malik R, Gupta A, *Rare Occurrence of Hepatoblastoma in a Child with Progressive Familial Intrahepatic Cholestasis: A Case Report, Liver Pathology Conference 2025, 1-2 March 2025, Mangalagiri
48. Kurram NA, Barwad A, Bridging the Gap Beyond Ferritin: The Critical Role of Liver Biopsy in HFE Mutation Patients, USCAP annual meeting at Boston USA, 26 March 2025, Boston, USA
49. Kurram NA, Barwad A, The diagnostic impact of CD1a, CK19 and S100 in the diagnosis of ursodiol treated cases of native primary biliary cholangitis and post-transplant recurrent primary biliary cholangitis, USCAP Annual meeting at Boston USA, 26 March 2025, Boston USA
50. Lobo A, Sangoi A, Al-Obaidy K, Akgul M, Acosta A, Kandukuri S, et al, Expanding horizons: A deeper dive into the morphologic and genomic landscape of ALK-rearranged renal cell carcinomas, USCAP 2025, 27 March 2025, Convention Centre, Boston, USA
51. Lobo A, Tiwari A, Agaimy A, Akgul M, Sangoi A, Kandukuri S, et al, Perivascular epithelioid cell tumors of the urinary bladder: A clinicopathologic and comprehensive molecular analysis including microsatellite instability status and tumor mutational burden in a contemporary cohort of 21 cases, USCAP 2025, 27 March 2025, Convention Centre, Boston, USA
52. Mallick S, Jain S, Mondal T, Ahmad A, Shabir A, Bharadwaj N, et al, Transcriptomic Profile of relapse/refractory alk positive Anaplastic Large cell Lymphoma (Oral Paper), International Academy of Pathology Annual Conference, 2024, 27-31 October 2024, Cancun, Mexico

53. Mallick S, Rahul, Jain S, Diagnostic Challenging case of T cell Lymphoma: A case Presentation, Haematocon 2024: 65thAnnual Conference of the Indian Society of Haematology & Blood Transfusion, 7 –10 November 2024, Nagpur

54. Mallick SK, Sood R, Rathore R, Mahey R, Singh N, Malhotra N, et al, Histopathological assessment of endometrial biopsies in medically managed endometrial hyperplasia and endometrioid carcinoma: An original study from a tertiary care hospital in north India, RGCON 2025, 21-23 March 2025, Delhi

55. Mani P, Mehra L, Yadav R, Dutta R, Das P, Utility of a panel of surrogate immunohistochemical and molecular markers to classify human colorectal carcinomas according to the consensus molecular subtypes and clinical correlation, USCAP 2025, 26 March 2025, Boston, USA

56. Mathur S, Sood R, Rathore R, Iyer VK, Mridha A, Jain D et al, Examining Intraperitoneal Metastasis in Malignant Ovarian Germ Cell Tumors Through Ascitic and Peritoneal Fluid Effusion Cytology, United States & Canadian Academy of Pathology's 114th Annual Meeting, 22-27 March 2025, Boston, Massachusetts

57. Mathur S, Subashini H, Sood R, Rathore R, Khurana S, Exploring the role of Microsatellite Instability, Immune Response and programmed death-ligand 1 (PD-L1) in Epithelial Ovarian Carcinoma: Links to Clinicopathologic Features, chemotherapy response and Survival, United States & Canadian Academy of Pathology's 114th Annual Meeting, 22-27 March 2025, Boston, Massachusetts

58. Mathur SR, Kumar SH, Sood R, Rathore R, Khurana S, Cytology exploring the role of Microsatellite instability, immune response and programmed death-Ligand1 (PD-LT) in Epithelial Ovarian carcinoma. Link to clinicopathologic Features, Chemotherapy, USCAP, 2025, 26 March 2025, Boston, USA

59. Meet S, Kakkar A, Singh L, Iyer VK, Seth R, Agarwala S, Clinicopathological and molecular characteristics of panTRK immunopositive Pediatric Spindle cell Neoplasms, 6th Annual International CME of Association of Pediatric Pathologists (APPI CME 2024), 16 August 2024, Pondicherry[8]

60. Mehta K, Dixit S, Agarwal S, Papillae in thyroid aspirates overdiagnosed as papillary thyroid carcinoma: A pitfall in cytopathology diagnosis, 54th Annual Conference of the Indian Academy of Cytologists, 15-18 November 2024, Jodhpur

61. Mehta K, Dixit S, Agarwal S, Papillae in thyroid lesions overdiagnosed as papillary thyroid carcinoma: Case series, CYTOCON 2024, 16 November AIIMS Jodhpur

62. Mehta K, Singh J, Asit R Mirdha, Venkateswaran Iyer, Jagdish Prasad Meena, Central giant cell granuloma in sinonasal cavity: A rare entity, 6th Annual International CME of Pediatric Pathology in August 2024, 17-18 August 2024, Puducherry

63. Mohan D, Meena R, A Nambirajan, D Jain, Retrospective analysis of Pleural effusions by using International System for Reporting Serous Fluid Cytopathology and Assessment of Risk of Malignancy: A single Institutional Study, CYTOCON 2024-54th Annual conference of the Indian Academy of Cytology, 15-18 November 2024, AIIMS, Jodhpur

64. Mridha A, Barwad A, Shukla P, Thirunavukkarasu B, EWSR1::NFATC2 Rearranged Sarcoma-Clinically Distinct & Morphologically Overlapping with Ewing Sarcoma, The United States and Canadian Academy of Pathology's 114th Annual Meeting from March 22-27, 2025, 25 March 2025, Boston, MA

65. Nambirajan A, Rathor A, Khurana S, Mohan A, Malik PS, Jain D, Comprehensive Analysis of Genomic Landscapes in Epidermal Growth Factor Receptor-Mutant Non-Small Cell Lung Carcinoma: Insights into Mechanisms of Tyrosine Kinase Inhibitor Resistance and Patterns of Disease Progression, USCAP 2025, 22-27 March 2025, Boston, USA

66. Ojha S, Smitha NV, Chandraprabha V, Dixit S, Agarwal S, The Besthesda System of Reporting Thyroid Cytopathology: a cytohistology study of pediatric thyroid lesions, 54th Annual Conference of the Indian Academy of Cytologists, 15-18 November 2024, Jodhpur

67. Phom MH, Dixit S, Raj R, Arava S, Evidence of malignancy in pericardial effusion cytology, AIIMS Annual research day 2024, 29 January 2024, Delhi

68. Pranjal C, Ridhi S, Ruchi Rathore, Dhahwal V, Jyoti M, Mathur S, Clinical, radiological and pathological insights into an uncommon pediatric tumor: A case series on ovarian sclerosing stromal tumors, 6th Annual International CME of Pediatric Pathology Under the aegis of "Association of Paediatric Pathologists of India", 16-18 August 2024, Pondicherry

69. Puri S, Satapathy S, Singh L, Devender Yadav D, Barwad A, Iyer VK, CIC-rearranged sarcoma: a case report, 6th Annual International CME of Pediatric Pathology in August 2024, 17-18 August 2024, Puducherry

70. Ramya, Jain S, Chandrashekaran, Prabhakaran A, Venugopal A, Damle N, …, Kakkar A, Iyer VK, Singh L, Bone Marrow disease assessment Reporting of Children with Neuroblastoma: Utility and limitations of INRC-BMWG recommendations, 6th Annual International CME of Pediatric Pathology in August 2024, 17-18 August 2024, Puducherry
71. Rathore R, Agarwal S, Bharati V, Mathur SR, Kachhawa G, Ray MD, et al, Analysis of clinical and pathological characteristics of struma ovarii and unraveling the molecular basis of its malignant transformation, IGCS Annual Global Meeting, 2024 Dublin, 16-18 October 2024, Dublin, Ireland
72. Ravi N, Kaushal S, Narwal Anubhav, Aggarwal Vaibhav and Seth Amlesh, Primary Extranodal Marginal Zone Lymphoma of Urinary Bladder: A Rare Cause of Hematuria in a Young Male, International Congress on Urooncology and Uropathology 2025, 10 January 2025, KIMS
73. Roy P, Fonseca D, Kamboj M, Pasricha S, Velusamy S, Kakkar A, et al, The Prognostic Significance of the Worst Pattern of Invasion in Oral Cancers-an International Collaborative Multicenter Analysis, United States & Canadian Academy of Pathology 114th Annual Meeting USCAP 2025, 25 March 2025, Boston, USA
74. Saifi S, Kakkar A, Sarma C, Kaur K, Kumar R, Thakar A, Development of a high-throughput targeted genomic assay for diagnosis of salivary gland neoplasms, 4th Annual Research Day 2025, 29 January 2025, New Delhi
75. Sangoi A, Lobo A, Jha S, Kaushal S, Tiwari A, Mubeen A, et al, Renal epithelioidangiomyolipomas: Prognostic implications of targeted immunohistochemical and molecular markers, USCAP 2025, 26 March 2025, Convention Centre, Boston, USA
76. Seth T, Keerthana K, Das J, Agarwal M, Deepampushpam, Mallick S, Kinetics of Blast Clearance in Cerebrospinal Fluid (CSF) Detected on Flow Cytometric Immunophenotyping (FCM), but Negative By Cytopathology in Newly Diagnosed Acute Lymphoblastic Leukemia Patients, The American Society of Hematology (ASH) 66th Annual Meeting and Exposition, 7-10 December 2024, San Diego, California
77. Shyamal P, Tiwari N, Agarwal S, Sharma A, Birla S, Gupta D, Diagnosis of NIFTP using molecular criteria and nuclear characteristics evaluated by artificial intelligence: A Preliminary Study, 1st Annual Congress of the Asian Society of Digital Pathology (ASDP), 2-4 October 2024, Seoul, Republic of Korea
78. Simranmeet, Lavleen Singh, Rachna Seth, Venkateswaran Iyer, Aaanchal Kakkar, Clinicopathological and molecular characteristics of pan TRK immunopositive Pediatric Spindle cell Neoplasms" at 6th Annual International CME of Pediatric Pathology in August 2024, 6thAnnual International CME of Pediatric Pathology in August 2024, 17-18 August 2024, Puducherry
79. Sinehaa S, Bagchi D, Kakkar A, Thakar A, Clear cells presenting a conundrum on parotid fine needle aspiration cytology, 9th Annual Conference of Delhi Chapter of Indian Academy of Cytologists, 14 September 2024, New Delhi
80. Sinehaa S, Kakkar A, Saifi S, Kaur K, Kumar R, Thakar A, Decoding the molecular landscape of Epithelial Myoepithelial Carcinomas, 4th Annual AIIMS Research Day, 2025, 29 January 2025, New Delhi[9]
81. Sinehaa S, Mitra S, Narwal A, Sikka K, Kakkar A, Myxoma of oral cavity in a 3-year-old child, 6th Annual International CME of Association of Pediatric Pathologists of India (APPI CME 2024), 16 August 2024, Pondicherry
82. Sinehaa S, Singh CA, Kakkar A, Oncocytic mucoepidermoid carcinoma diagnosed by *MAML2* rearrangement on fine needle aspiration cytology cell block, 54th Annual Conference of the Indian Academy of Cytologists, 16 November 2024, Jodhpur
83. Tandon A, Saifi S, Kaur K, Kumar R, Kakkar A, BSND Immunohistochemistry: A Game-Changer in Diagnosing Salivary Gland Tumors with Oncocytic Cells, 72nd Annual Conference of IAPM & 1 AP-ID (APCON 2024), 13 December 2024, Cuttack
84. Tandon A, Yadav R, Das P, Singh AN, Pal S, Revisiting solid pseudopapillary neoplasm of pancreas: A detailed clinicopathological and immunohistochemical evaluation, ECP 2024, 7-11 September 2024, Florence, Italy
85. Thakur S, Yadav R, Yadav U, Agarwala S, Jana M, Das P, Clinicopathological study of mesenchymal hamartoma of liver, APPI CME 2024, 16-18 August 2024, Puducherry
86. Tiwari N, Birla S, Shyamal P, Sharma A, Agarwal S, Gupta D, Utility of Artificial Intelligence in differentiating NIFTP from other follicular-patterned benign and malignant thyroid lesions, 1st Annual Congress of the Asian Society of Digital Pathology (ASDP), 2-4 October 2024, Seoul, Republic of Korea
87. Tripathi N, Agarwal S, Jangir H, Dixit S, Sharma MC, Khadgawat R, et al, Categorization of Aldosterone-producing lesions in patients of Primary Aldosteronism according to HISTALDO consensus classification: A

Comparative Study with Normal Subjects, 53rd Annual Conference of the Endocrine Society of India (ESICON 2024), 7-10 November 2024, Visakhapatnam, Andhra Pradesh/India

88. Wadekar A, Meena R, Mallick S, Kumar A, Meena SK, Rare Presentation of Large Cell Neuroendocrine Carcinoma of Unknown Primary as High-Grade Non-Hodgkin Lymphoma: Insights from Pleural Fluid Cytology, 9th Annual Conference of Delhi Chapter of Indian Academy of Cytologists, 14 September2024, Delhi
89. Wu D, Akgul M, Williamson S, Acosta A, Al-Obaidy K, Amin M, et al, Interobserver reproducibility of hilar soft tissue invasion in testicular germ cell tumors among genitourinary pathologists, USCAP 2025, 27 March 2025, Boston, USA
90. Yadav U, Kaul S, Yadav R, Das P, Jain D, Mathur S, et al, Reclassification of Pancreatic Fine Needle Aspirates using WHO and Papanicolaou Systems, ECC 2024, 23-26 June 2024, Leipzig, Germany

[1] Won 2nd PRIZE for Oral Presenataion at International Congress on Urooncology and Uropathology 2025, KIMS, Bhubaneswar

[2] Won 3rd PRIZE for best Poster at APCON 2024, CUTTACK

[3] Best oral presentation prize (First)

[4] Best poster prize (Third)

[5] European Congress of Pathology, One of the Top Five Posters

[6] Won 2nd PRIZE for best Poster at International Congress on Urooncology and Uropathology 2025, KIMS, Bhubaneswar

[7] Third prize for best poster presentation

[8] First prize for best poster presentation

[9] Second prize for best poster presentation in MD/MS category

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023-2024	2024-2025
48	110	90

RESEARCH

Funded

Ongoing

1. A Multifaceted Approach to Membranous Nephropathy in Indian Cohorts: Unveiling the NELL-1 Antigen, Heavy Metal Associations, and Other Novel Elements Contributing to MN in Patients Using Complementary Alternative Medicines for Enhanced Clinical Reclassification, Dr Geetika Singh (Pathology) /Dr A Shariff (Anatomy), Interdisciplinary collaborative intramural Research project; AIIMS New Delhi, 1 Year, 2024-2025, Rs 10 Lakhs
2. An integrated genomic sequencing approach to define genetic landscape of non-small cell lung carcinoma in Indian Population, Deepali Jain, Indian Council of Medical Research (ICMR), India, 3 Years, 2022-2025, Rs 48 Lakhs
3. Assessment of PRKD and SS18 gene alterations in low grade salivary gland adenocarcinomas, Aanchal Kakkar, AIIMS Intramural Undergraduate Research grant, 2 Years, 2024-2026, Rs 1.5 Lakhs
4. Biobanking and quality control of tissue and bodily fluids: biological samples for translational research, Deepali Jain, AIIMS-TSHTI Collaborative Research Section AIIMS, 2 Years, 2024-2026, Rs 20 Lakhs
5. Clinical, Pathological and Genetic Characterization of Neonatal Cholestasis, Dr Rajni Yadav, DHR, 3 Years, 2022-2025, Rs 51.58 Lakhs
6. Clinicopathological correlation and amyloid subtyping in cases of cardiac amyloidosis: AN observational study, Dr. Sudheer Arava, DBT-ICMR, 3 Years, 2023-2026, Rs 80 Lakhs
7. Clinicopathological Correlation of PD-L1 With HER 2 And P53 In Uterine Carcinosarcomas, Dr Ruchi Rathore, Undergraduate Mentorship Scheme, 1 Year, 2024-2025, Rs 2 Lakhs
8. Clinicopathological spectrum of cystic neutrophilic granulomatous mastitis and role of Corynebacterium as the etiological agent, Ridhi Sood, AIIMS Intramural, 2 Years, 2024-2026, Rs 5 Lakhs

9. Comparative analysis of qPCR, mRNA ISH and p16 IHC for detection of high-risk HPV on fine needle aspirates and core needle biopsies in patients with metastatic squamous cell carcinoma in cervical lymph nodes, Aanchal Kakkar and Chirom Amit Singh, AIIMS interdisciplinary collaborative intramural grant, 2 Years, 2023-2025, Rs 20 Lakhs
10. Correlation of traits of tumour immunemicro environment and response to targeted anti-pd-l1 and antivegf therapy in hepatocellular carcinoma: a prospective study, Prasenjit Das (Pathology) & Deepak Gautam (Gastroenterology, AIIMS), AIIMS Research Section, 1 Year, 2023-2024, Rs 5+5 Lakhs
11. Development & Validation of an Explainable Deep Learning Network-based Software for Automated Interpretation & Grading of Duodenal Mucosal Biopsies from patients with Celiac Disease. Proposal ID: 2022-16640, PI Prasenjit Das (AIIMS, Delhi) Mausam (IIT, Delhi) Pratosh AP (ISI, Bangaluru), ICMR, 2 Years, 2023-2025, Rs 48 Lakhs
12. Development and characterization of Enteroids from human intestinal biopsies for ex-vivo studies, Prasenjit Das, DBT Consortium Project on Celiac Disease, 3 Years, 2023-2026, Rs 58 Lakhs
13. Development and delivery of novel autoimmune enteropathy diagnostic tests (based on indirect immunofluorescence and quantitative ELISA).'-Under Celiac Disease Care Optimization and gluten-Restriction Execution (CeD-CORE), Prasenjit Das CeD-CORE Incharge: Prof Govind K Makharia, ICMR, 3 Years, 2025-2028, Rs 93.28 Lakhs
14. Differences in the molecular milieu between inferior & superior human parathyroid glands: potential significance for parathyroid tumor development, Dr Shipra Agarwal, AIIMS, 2 Years, 2023-2025, Rs 10 Lakhs
15. Elastic Insight: Advancing Early Diagnosis of Osteosarcoma and Ewing sarcoma through high resolution 3D Automated Optical Coherence Elastography, Dr. Vishal Srivastava (From TIET, Patiala), Dr. Asit Ranjan Mridha (From AIIMS, New Delhi), ICMR, 3 Years, 2024-2027, Rs 119.64 Lakhs
16. Elucidation of the immune landscape of thymomas and its correlation with clinicopathological and molecular parameters, Aruna Nambirajan, AIIMS Early career intramural grant, 2 Years, 2024-2026, Rs 10 Lakhs
17. Evaluation of microsatellite instability (MSI) and PDL1 expression in molecular subtype of upper and lower tract urothelial carcinoma, Sudheer Arava, ICMR, 2 Year, 2022-2024, Rs 10 Lakhs
18. Evaluation of novel target antigens in Membranous Nephropathy and their clinical correlation: An attempt to reclassify cases based on target antigens in the Indian population, Geetika Singh, ICMR, 3 Years, 2022-2025, Rs 38 Lakhs
19. Evaluation of prognostic markers del(11q), del(13q), del(17p), trisomy 12, IGHV mutation and TP53 mutation analysis in Small lymphocytic lymphoma, Balamurugan T, AIIMS Intramural Grant, 2 Years, 2024-2026, Rs 5+5 Lakhs
20. Evaluation of specific molecular alterations and tumor immune microenvironment for detection of clinically actionable targets in high grade salivary gland carcinomas, Aanchal Kakkar, ICMR, 3 Years, 2023-2026, Approx. 32 Lakhs
21. Exploring the genomic footprints and their connotations in vulvar squamous cell carcinoma, Ruchi Rathore, DST-SERB-62, 3 Years, 2024-2027, Rs 48 Lakhs
22. Genomic aberrations and its prognostic impact in Solitary Plasmacytoma, Rachana Meena, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
23. Genomic Profile of High grade B cell lymphoma NOS, Dr Saumyaranjan Mallick, SERB, 3 Years, 2023-2026, Rs 41.29 Lakhs
24. Health Care System: Early Detection of Bone Cancer using Microwave Imagingand Treatment by Hyperthermia Lens Applicator, Dr. Hari Shankar Singh (From TIET, Patiala), Dr. Asit Ranjan Mridha (From AIIMS, New Delhi), SERB, 3 Years, 2023-2026, Rs 30.12 Lakhs (for AIIMS, New Delhi)
25. High mobility group A2 fusion in unclassifiable spindle cell tumors of sinonasal tract, Deepali Jain, JR thesis grant Research Section AIIMS, 2 Years, 2024-2026, Rs 2 Lakhs
26. Identification of novel molecular subtypes of prostate cancer as potential therapeutic targets for immunotherapy, Seema Kaushal, ICMR, 3 Years, 2021-2024, Rs 45 Lakhs
27. Molecular profiling of adrenocortical carcinoma and its correlation with clinical outcome-A preliminary study, Sonali Dixit, AIIMS Intramural research grant, 3 Years, 2023-2026, Rs 10 Lakhs
28. Multiplexed spatially resolved analysis of protein signatures of the invasive front of Oral Squamous Cell Carcinoma, Aanchal Kakkar, ICMR, 3 Years, 2024-2027, Approx. 93 Lakhs

29. Nanotechnological intervention in dental and bone implants: Tailoring smart, multifunctional interface towards improved osseointegrative and anti-bacterial properties, Adarsh Barwad, DBT, 2021=24, 4 Years, 2021-2025, Rs 70 Lakhs
30. Single gene versus multiplex testing in lung cancer, Deepali Jain, JR thesis grant Research Section AIIMS, 2 Years, 2024-2026, Rs 2 Lakhs
31. Study of evaluation prognostic markers AR V7, PTEN, TMPRSS ERG, BRCA2, Anubhav Narwal, Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
32. Study of molecular subtypes including actionable targets in gastric carcinoma using surrogate markers, in Indian scenario, Rimlee Dutta, AIIMS (intramural project), 3 Years, 2023-2026, Rs 10 Lakhs
33. Study of potential diagnostic and prognostic biomarkers for precursor lesions of oral squamous cell carcinoma, Kavneet kaur, JR Thesis Grant, 2 Years, 2024-2026, Rs 2 Lakhs
34. Study of Predictive, Prognostic and Theranostic Markers in Pancreatic Neuroendocrine Neoplasms, Rajni Yadav, AIIMS Interdisciplinary, 2 Years, 2024-2026, Rs 20 Lakhs
35. Succinic acid mediated T cell pathogenesis of inflammatory bowel disease, Rajni Yadav, AIIMS-THSTI, 2 Years, 2023-2025, Rs 20 Lakhs
36. Sudden unexplained death in young individuals, Sudheer Arava, ICMR, 2 Years, 2023-2025, Rs 150 Lakhs
37. The Analysis of Placental Cytotrophoblastic Expression of Cell Cycle Related proteins in Preeclampsia Subclasses, Lavleen Singh, AIIMS, 2 Years, 2025-2027, Rs 10 Lakhs
38. The tumor immune microenvironment of follicular cell-derived thyroid carcinomas across different grades utilizing gene expression and spatial proteomic profiling, Shipra Agarwal, ANRF, 3 Years, 2023-2026, Rs 66.81 Lakhs
39. To identify the genetic landscape of hypertrophic cardiomyopathy (HCM) in Indian Scenario, Sudheer Arava, ICMR, 3 Years, 2024-2027, Rs 120 Lakhs
40. To inventigate metabolic perturbations in Endometrial cancer by targeted transcriptomics approach in an Indian cohort, Sandeep R Mathur, ICMR, 3 Years, 2023-2026, Rs 18.06 Lakhs(First year)
41. Understanding the Inflammatory Pathways and Identification of Therapeutic Targets in Chronic Pancreatitis, Rajni Yadav, AIIMS-THSTI, 2 Years, 2023-2025, Rs 20 Lakhs

Completed

1. A multi centre study on determination of prevalence of incidental gall bladder carcinoma in India, Dr P Das (AIIMS), NCDIR-ICMR, Bangalore, 5 Years, 2019-2024, Rs 10 Lakhs
2. Assessment of hypoxia inducible factor-1 alpha pathway activation and its correlation with tumor immune microenvironment and markers of tumor invasiveness in myxopapillary ependymomas, Aruna Nambirajan, AIIMS Early career intramural grant, 2 Years, 2021-2023, Rs 10 Lakhs
3. Association of BK Polyoma virus and urothelial carcinoma: A study in the Indian population, Geetika Singh, AIIMS Intramural grant, 1 Year, 2012-2014, Rs 4.94 Lakhs
4. Autoantibody associated alternative pathway dysregulation in nephritic synderome secondary to membranoproliferative glomerulonephritis (Part of Pediatric Renal Biology Research Program On Nephrotic syndrome), Geetika Singh, DBT, 5 Year, 2016-2021, Rs 38 Lakhs
5. Comparative analysis of the activation of EGFR/MAPK/SHH/NFKB pathways and mutation status of USP8/USP48/BRAF genes in clinically functioning and silent corticotroph pituitary adenomas to identify pharmacological targets for medical management of Cushing's disease, Aruna Nambirajan, ICMR extramural, 3 Years, 2021-2023, Rs 27 Lakhs
6. Detection of SARS-CoV-2 nucleocapsid protein and evaluation of histological changes in tissue specimens for insights into COVID-19 pathogenesis, Aanchal Kakkar, AIIMS COVID Intramural project, 1 Year, 2020-2021, Rs 10 Lakhs
7. Development of a Multiplexed Nanostring Based Locus Copy Number and mRNA Expression Evaluation Assay for Classification of Wilms Tumor for Diagnosis, Prognosis and Treatment Planning, VK Iyer, ICMR, 4 Years, 2020-2024, Approx 38 Lakhs
8. Evaluation of ALK, ATRX and MYC immunoexpression in Neuroblastoma and their correlation with prognostic parameters, Aanchal Kakkar, AIIMS UG mentorship program, 1 Year, 2021-2022, Rs 2 Lakhs

9. Evaluation of EGFR mutations, HPV status and PD-L1 expression in pathogenesis of sinonasal squamous neoplasms, Aanchal Kakkar, AIIMS Intramural, 3 Years, 2019-2022, Rs 10 Lakhs
10. Evaluation of HPV status and its correlation with AKT/mTOR signaling pathway activation in oral and oropharyngeal squamous cell carcinomas, Aanchal Kakkar, AIIMS intramural, 2 Years, 2017-2019, Rs 8.80 Lakhs
11. Evaluation of Machine Learning Techniques including Deep Learning for Identification of Malignancy in Tissue Samples, Aanchal Kakkar and S Srirangarajan, AIIMS-IITD collaborative research project, 2 Years, 2018-2020, Rs 20 Lakhs
12. Gene expression Profile of Alk Positive Anaplastic Large Cell Lymphoma, Dr Saumyaranjan Mallick, ICMR, 3 Years, 2021-2024, Rs 31.05 Lakhs
13. Immunohistochemical expression of PDL1 and CD47 in Diffuse Large B cell Lymphoma, Dr Saumyaranjan Mallick, AIIMS1, 1 Year, 2023-2024, Rs 2 Lakhs
14. Molecular Characterization of Endometrial cancer and its correlation with Clinicopathological feature, Dr Sandeep mathur, AIIMS, 3 Years, 2020-2023, Rs 5 Lakhs
15. Molecular characterization of olfactory neuroblastomas for classification into prognostically and therapeutically relevant subgroups, Aanchal Kakkar, Science and Engineering Research Board (SERB), 3.5 Years, 2020-2024, Approx. 47 Lakhs
16. Molecular characterization of salivary gland carcinomas: A comparative study between AIIMS and North-East regions of India, Aanchal Kakkar and Evarisalin Marbaniang, DBT NER, 3 Years, 2021-2024, Approx. 86 Lakhs
17. Molecular mechanisms of resistance to EGFR tyrosine kinase inhibitors in EGFR mutant non-small cell lung carcinoma, ARUNA NAMBIRAJAN, AIIMS Collaborative intramural grant, 2 Years, 2022-2024, Rs 20 Lakhs
18. Prognostic biomarkers in lung neuroendocrine tumors, ARUNA NAMBIRAJAN, AIIMS UG research Grant, 1 Year, 2023-2024, Rs 2 Lakhs
19. Standardizing technique of detection of anti-goblet cell and anti-enterocyte antibodies by indirect immunofluorescence method in patients having proximal small bowel enteropathies to identify cases of autoimmune enteropathy in a prospective patient cohort, Mentor: Prasenjit Das, AIIMS Undergraduate Mentorship Project, 1 Year, 2023-2024, Rs 2 Lakhs
20. Study of Urinary Exosome as a Predictive biomarker for podocytic injury in childhood idiopathic nephrotic syndrome, Geetika Singh, DBT, 3 years, 2018-2021, Rs 76,17,160
21. The Genetic Landscape of Alport Syndrome in India with Phenotypic Correlation, Geetika Singh, ICMR, 3 Years, 2020-2023, Rs 50.50 Lakhs
22. Tumor mutation burden in advanced non-small cell lung carcinomas: Implications for planning treatment strategies, DEEPALI JAIN, DST-SERB POWER fellowship, 3 Years, 2021-2024, Rs 30 Lakhs
23. Utility of Artificial Intelligence in differentiating Non-invasive Follicular Thyroid Neoplasm with Papillary like Nuclear Features from other follicular-patterned thyroid benign and malignant lesions, Dr Shipra Agarwal, DBT, 3 Years + 1 Year extension, 2020-2024, Rs 52.65 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A Phase II, Randomized, open labeled study to evaluate low dose pembrolizumab plus chemotherapy vs chemotherapy as Neoadjuvant therapy for localized triple negative breast cancer TNBC. Planet trial pembrolizumab low dose in addition to NACT in TNBC
2. A prospective study to assess the role of contrast enhanced mammography in evaluation of multifocal and metacentric breast carcinoma in comparison with conventional imaging modalities and update and analysis of breast cancer Database
3. Addition of low-dose prembrolixumab to capecitabine for residual triple negative breast cancer post neoadjuvant chemotherapy: A phase III randomized double-blinded placebo-controlled clinical trial
4. An Investigator-initiated open-labeled phase III randomized controlled clinical trial to assess the efficacy of the addition of capecitabine to trastuzumab for residual Her 2 positive breast cancer post neoadjuvant chemotherapy.
5. Analysis of HUWE-1 regulated Metabolic and Immunologic attributes in Triple Negative Breast Cancer
6. Analysis of Molecular Biomarkers in ovarian cancer

7. Artificial intelligence based assessment of Estrogen receptor, progesterone receptor and human epidermal growth factor receptor 2 status on hematoxylin and eosin stained whole slides images
8. Assessment of the tumor immune microenvironment in salivary duct carcinoma
9. Can surgery be avoided for patients with breast cancer? Role of AI and vacuum-assisted biopsy in selecting patients to de-escalate surgery.
10. Circulatory Exosomal Mi RNA as market of endometriosis a pilot study
11. Clinicopathological and radiological features and MIR 21 levels in cases in interstitial lung disease
12. Clinico-pathological characteristics of High Grade B cell Lymphoma NOS
13. Clinicopathological correlation and amyloid sub-typing in cases of cardiac amyloidosis: An observational study
14. Clinico-Pathological profile of High Grade B cell Lymphoma NOS
15. Designing an innovative speculoscope for cervical cancer screening with See and treat Approach: Overcoming the barriers of portable colposcopy in community
16. Development of a regional breast cancer data consortium to assess the impact of healthcare delivery related variables on survival in patients with stage I-III breast cancer
17. Development of Quick and Specific Detection System of EWS-FLI1 Type 1 Fusion Protein.
18. Diagnostic Utility of SSX and Fusion-specific Antibody (SS18-SSX) for Synovial Sarcoma.
19. Distribution of aldosterone secreting cells in patients with primary hyperaldosteronism and normal population
20. Distribution of aldosterone-secreting cells in adrenal glands from normal subjects and patients of primary hyperaldosteronism
21. Elucidating the Prognostic role of Fibronectin-1 in Thyroid Carcinoma
22. Evaluating the role of Apolipoprotein E in the diagnosis of C3 glomerulopathy
23. Evaluation of 18F-FDG PET-Specific quantitative tumors parameters and sentinel lymph node mapping by radionuclide injection of Tc99m sulphur colloid in management of endometrial cancer.
24. Evaluation of DDR mutations in Prostate Cancer
25. Evaluation of Indocyanine green for Sentinel Lymph Node biopsy in breast cancer: Two arm open Label parallel design non inferiority Randomised control trial
26. Evaluation of M1 And M2 macrophages and tissue reaction in the peri-prosthetic soft tissue of the patients with Loosening of artificial implants.
27. Evaluation of m1 and m2 macrophages and tissue reaction in the peri-prosthetic soft tissue of the patients with loosening of artificial implants
28. Genetic changes of TP53 and its role in the treatment management of patients with advanced soft tissue sarcoma.
29. Genetic Landscape of ALK rearranged non-small cell lung cancer (NSCLC)
30. Genomic landscape of high-intermediate and high-risk uterine Carcinomas: an Indian perspective
31. Genomic profiling of Non-small cell lung carcinoma using Liquid Biopsy
32. High mobility group A2 fusion in unclassifiable spindle cell tumors of sinonasal tract
33. Histopathological study of benign cardiac tumors
34. Histopathological, immunohistochemical and molecular study of appendiceal epithelial neoplasms
35. Immune microenvironment of Anaplastic Thyroid Carcinoma
36. Molecular and immunohistochemical characterization of Endometrial stromal sarcoma and their clinicopathological correlation
37. Molecular mechanisms of therapeutic refractoriness in ALK positive Anaplastic Large cell lymphoma
38. MYBPC3 mutations in idiopathic cardiomyopathies
39. MyC amplification and its correlation with demographic features and prognosis in patients with osteosarcoma.
40. Neoadjuvant chemotherapy using Lenvatinib in locally advanced differentiated Thyroid Carcinoma A phase II open label study.

41. Role of Novel SS18-SSx Fusion-Specific Antibody in the Diagnosis of Synovial Sarcoma
42. Role of Transvaginal 3D Power Doppler Ultrasound and Hysteroscopy for Endometrial Evaluation in Patients with Postmenopausal Bleeding
43. Single gene versus multiplex testing in lung cancer
44. Study of Adherens Junction Proteins inIntestinal tissue from patients with Inflammatory Bowel Disease
45. Study of APCmutated and nonAPC mutated CRCs
46. Study of molecular subtype upper tract urothelial carcinoma
47. Study of potential diagnostic and prognostic biomarkers for precursor lesions of oral squamous cell carcinoma
48. Study of sampling protocols for optimum detection of IGBC on prospective institutional cohort
49. Study of the utility of Apolipoprotein E immunohistochemistry in the evaluation of C3 glomerulopathy
50. Study of Tight Junction claudin proteinsin intestinal biopsies from patients with Inflammatory Bowel Disease
51. Study on the Activation of Alternative Pathway of Complement in Glomerular Diseases
52. Subtyping and study of PI3K/AKT and MAPK signalling pathway in Periampullary adenocarcinoma: MD thesis coguide for Dr Urvashi Yadav
53. Sudden cardiac death histopathology and molecular study to identify the cause
54. The Genetic Landscape of Alport Syndrome in India with Phenotypic correlation
55. To Decipher the role of MYBL2 (Myeloblastosis Proto-oncogene Like 2)-ATAD2 (ATPase Family AAA domain containing protein 2) axis in Endometrial Carcinoma.
56. To evaluate the genetic association in undiagnosed cardiomyopathy patients
57. To evaluate the role of urinary HPV DNA testing using INNO-LIPA genotyping for cervical cancer. A Cross sectional Study
58. Understanding Biological & biochemical Role of R2TP complex in cervical Cancer
59. Whole Exome Sequencing based characterization of mutations in the oncogenic pathways of breast cancer among Indian women

Completed

1. A comparative study of efficacy and composition of various cell populations of extracted hair follicle outer root sheath cell suspension prepared using a single enzyme (trypsin) and multiple enzymes (trypsin, collagenase and disease) for transplantation in vitiligo.
2. A study of young colorectal cancer patients –clinical profile, treatment and relapse patterns, and learning basic laboratory techniques of molecular biology for mirna extraction in colon cancer patients. Mch thesis of Dr Prakash Bhagat, Surgical Oncology
3. An immunohistochemical and ultrastructural study of glomerular capillary endothelial injury in cellular rejection
4. Assessment of Basal plasmacytosis and mucosal eosinophilia in differentiating IBD-type and non-IBD-type colitis: A systemic review and metaanalysis
5. Assessment of tumor budding in head and neck squamous cell carcinoma, and its correlation with clinicopathological parameters
6. Autoantibody associated alternative complement pathway dysregulation in nephrotic syndrome secondary to membranoproliferative glomerulonephritis
7. Clinico-pathological characteristics and survival outcome of patients with Mantle cell lymphoma: an ambispective study
8. Comparison of Surrogate Immunohistochemical Markers with Molecular Alterations in Salivary Gland Neoplasms
9. Demonstration of Differentially Expressed miRNAs in Seropositive and SeronegativeFirst-degree Relatives of Patients with Celiac Disease by High-throughput RNAsequencing, Target Analyses and Comparing the circulating miRNA levels.
10. Genetic Landscape of ALK rearranged non-small cell lung cancer (NSCLC)

11. Genomic profiling of Non-small cell lung carcinoma using Liquid Biopsy
12. High mobility group A2 fusion in unclassifiable spindle cell tumors of sinonasal tract
13. Histomorphological and clinical study in patients of ENL reactions
14. Identification of MolecularSubtypes Of T1 Bladder Cancer
15. Membranous Nephropathy: A study of immunofluorescence, electron microscopy and PLA2R profile with clinical correlation
16. Molecular Subtyping of T1 Bladder Cancer
17. MYD88 L265P Mutational Studies in Characterization of Unclassifiable Mature Small B-Cell Lymphoid Neoplasms
18. MYH7 mutations in idiopathic cardiomyopathies
19. PD-L1 and PD1 immunoreactivity in Undifferentiated Pleomorphic Sarcoma of Soft tissue
20. Role of PD-L1 in parathyroid carcinoma and its correlation with immune microenvironment
21. Single gene versus multiplex testing in lung cancer
22. Study of galactose deficient IgA1 in glomerular diseases
23. Study of host tissue reactions in invasive mucormycosis
24. Study of WNT and Sonic hedgehog signaling pathways in olfactory neuroblastoma
25. Study on the activation of lectin pathway of complement in membranoproliferative glomerulonephritis
26. Utility of Fine Needle Aspiration Cytology assisted with Cell Block in the Diagnosis of Bone and Soft Tissue Tumors

Collaborative projects

Ongoing

1. A cross-sectional descriptive study of clinical, dermoscopic and histopathological features of granulomatous facial skin lesions and their clinical mimics, Department of Dermatology and Venereology, AIIMS, New Delhi
2. A Multi-centric, randomized double-blind placebo-controlled clinical trial to investigate the sunergistic efficacy of metformin and vitamin D as an add-on treatment with chemotherapy in breast cancer patients, Med Oncology, NCI Jhajjar
3. A phase III randomised controlled study comparing xerostomia after tubarial salivary gland sparing IMRT versus standard IMRT in patients with locally advanced oropharyngeal squamous cell carcinoma, Radiation Oncology, IRCH, AIIMS
4. A prospective comparison of mri-inbore targeted biopsy with12-core systematic transrectal ultrasound biopsy in the diagnosis of prostate cancer, Radiology, AIIMS, New Delhi
5. A prospective observational study comparing CT scan vs PET CT scan in carcinoma ovary for determining the pre-operative disease burden and resectibility, Surgical Oncology
6. A prospective study to evaluate the accuracy of axillary staging using ultrasound guided fine needle aspiration cytology (fnac) in early breast cancer patients, Surgical Oncology
7. Accuracy of autofluorescence in Parathyroid gland adenoma – A diagnostic study, Department of Surgical Disciplines, AIIMS, New Delhi
8. Assessment of disease severity inpatients with epithelial ovarian cancer by EMT related protein expression andmicro RNA 200a, b, c", Gyn &Obs
9. Assessment of prognostic significance of TILs in GBC based on disease free survival: Collaborative project with GIS, GI Surgery
10. Association of LOX L2 in cardiac fibrosis, Cardiology. AIIMS
11. Autologous non-cultured dermal cell suspension transplantation in the treatment of facial volume loss, Dermatology, AIIMS
12. Bio statistical Aspects of Prognostic Factors Including Molecular Parameters in Breast Cancer Patients: An Epidemiological Appraisal, BRA-IRCH

13. Biomarkers based early diagnosis and understanding of breast cancer metastasis by infrared imaging, Biophysics
14. Cervical cancer tumour micro-environment immune-profiling and effect on early response to standard chemoradiotherapy in Indian patients, Radiotherapy
15. Clinicopathological evaluation of viral myocarditis, Cardiology. AIIMS, New Delhi
16. Comparative evaluation of MicroRNA profiling and cytokine profiling analysis in patients with Pulmonary Sarcoidosis and Mediastinal tuberculosis, Pulmonary Medicine, AIIMS
17. Comparing Ex-Vivo Ultrasound aided and Frozen section analysis of deep margin assessment with Final Histopathology in T1-T3 Carcinoma Tongue: A Prospective study, Otorhinolaryngology and Head Neck Surgery, AIIMS
18. Comparing the diagnostic utility of ^{18}F-FDG PET/CT with bone marrow biopsy in detecting bone marrow metastases in newly diagnosed Neuroblastoma, Pediatric Oncology division, AIIMS
19. Comparison of TVD (Topotecan-Vincristine-Doxorubicin) vs VIT (Vincristine-Irinotecan-Temozolomide) as Salvage Therapy in Refractory High-Risk Neuroblastoma Patients: A Multicentric Randomized Trial, Pediatric Oncology division, AIIMS
20. Correlation of Depth of Invasion with Lymph Node Metastasis in Laryngeal and Hypopharyngeal Carcinoma, Otorhinolaryngology and Head Neck Surgery, AIIMS
21. Cryo-Electron Microscope Imaging facility for biological specimens (Cells and Tissue), Anatomy, New Delhi
22. Detection and molecular characterization of intestinal parasites in patients with functional dyspepsia-, Infectious disease
23. Development of a real-time PCR technique using the CotH gene as a target for early diagnosis of Mucormycosis, Microbiology, AIIMS
24. Development of non-invasive diagnostic kit for ovarian cancer: A new walk on old path, Biophysics
25. Development of Quick and Specific Detection System of EWS-FLI1 Type 2 Fusion Protein, Anatomy, New Delhi
26. Development of TIRF based microscopic system with smartphone camera as a detector for autofluorescence dependent intraoperative identification of parathyroid tissue, Department of Surgical Disciplines, AIIMS, New Delhi and IIT, Delhi
27. Differences in the Microvessel Density and Growth Factors between the inner and outer preputial skin in Distal Hypospadias, Pediatric Surgery, A.I.I.M.S, New Delhi
28. DNA Methylation Signature and its Correlation with Clinical Outcomes in Pediatric Sarcomas, Pediatric Oncology division, AIIMS
29. Electron microscopic and genetic study in primary ciliary dyskinesia, Pediatric pulmonology, AIIMS, New Delhi
30. Estimation of the prevalence of Epstein Barr virus positivity in aggressive mature B-Non-Hodgkin lymphoma in the Indian subcontinent and deciphering the genetic basis of its impact on disease biology and survival, Medical Oncology
31. Estrogen Related Receptor gamma (ERRy) as a potential biomarker and therapeutic target for thyroid cancer and its correlation with iodine handling genes in thyroid cancer, Department of Medical Oncology Lab, AIIMS, New Delhi
32. Evaluating the theranostic potential of Aurora-A/TPX2 complex in Gallbladder cancer, Medical Oncology
33. Evaluation of Immune escape mechanism in RCC, Biochemistry, A.I.I.M.S, New Delhi
34. Evaluation of Renal Cell Carcinoma with C11-Methionine PET/CT and comparison with 18FFlourodeoxyglucosw PET/CT, Nuclear Medicine, A.I.I.M.S, New Delhi
35. Exploring the phenotypic and functional role of γδ T cell subsets and Pattern recognition receptors (PRRs) in the immunopathogenesis of Pemphigus Vulgaris, Pharmacology, AIIMS
36. Expression analysis of TEL2 protein in thyroid cancer, Department of Biochemistry, AIIMS, New Delhi
37. FBXO4 as a novel Ubiquitin Ligase that targets cyclin D1 in pathogenesis of breast cancer, Biochemistry
38. Hippo signaling pathway and its biological function in uveal melanoma, Division of Ocular Pathology, RPC, AIIMS

39. Identification of molecular therapeutic target leading to development of chemo-resistance in non-GC DLBCL patients in India, Central Drug Research Institute (CDRI), Lucknow
40. Impact of neo-adjuvant chemotherapy on surgical decision and outcomes in patient with advanced buccal cancers, Otorhinolaryngology and Head Neck Surgery, AIIMS
41. Molecule Inhibitors:, Biochemistry
42. Neoadjuvant Short Course Radiotherapy in Combination with Chemotherapy for Squamous Cell Carcinoma of Esophagus: A Single Arm Phase II Pilot Study:, Surgical Oncology
43. Optical monitoring of placental oxygenation and metabolism, Department of Obstetrics and gynecology
44. Phenotypic and molecular characterization of Th17 and Treg cells in renal cell carcinoma, Biochemistry, A.I.I.M.S, New Delhi
45. Pyruvate kinase M1and M2 biomarker in atypical endometrial hyperplasia as predictor of coexistent endometrial carcinoma, Obs & Gyn
46. R2TP expression and its significance in Thyroid Cancer, Department of Biochemistry, AIIMS, New Delhi
47. Role of Adjuvant Therapy in Early-Stage Oral Cavity Squamous Cell Carcinoma: An Ambispective Analysis, Otorhinolaryngology and Head Neck Surgery, AIIMS
48. Role of B Cells in Urinary Bladder Carcinoma, Biochemistry, A.I.I.M.S, New Delhi
49. Role of circulating tumour cells and CXCR1 expression in patients with metastatic RCC, Urology, A.I.I.M.S, New Delhi
50. Role of FDG-PET guided biopsy in PUO (Pyrexia of unknown origin), Nuclear Medicine, AIIMS
51. Role of Phosphofructokinase-P (PFKP) in Breast cancer, Med Oncology BRA-IRCH
52. Role of split-bolus dual energy CT in characterization of neck masses with limited MR and DSA correlation, Radiology, AIIMS
53. SCOPE-Surveillance of COVID in PrEgnancy Standardizing data collection and protocol for improving the Quality of evidence on clinical characteristics and outcomes of COVID-19 and Pregnancy, Obs & Gyn
54. Sentinel lymph node detection in oral squamous cell carcinoma with negative neck: comparison between DTPA Cytokeratin-Collagenous Nanoparticle [^{99m}Tc] Tc-DC-Col NP and [^{99m}Tc] Tc-Sulphur colloid, Otorhinolaryngology and Head Neck Surgery, AIIMS
55. Study of Autophagy associated HMGB-1 and its related molecules in Urothelial Carcinoma of Bladder, Biochemistry, AIIMS, New Delhi
56. Study of cardiac markers, gross findings and histopathological Changes in the heart in cases of suspected cardiac death, Forensic Medicine, AIIMS
57. Study of histomorphological, proteomics and collagen in Rheumatic heart valve specimens, CTVS, New Delhi
58. Study of miRNA profile in Sertoli Only Syndrome (SCOS), Reproductive Biology, AI.I.M.S, New Delhi
59. Study of Sesamol in Bleomycin-induced pulmonary toxicity in rats, Pharmacology, AIIMS
60. Study the significance of tumour infiltrating lymphocytes in breast cancer patients, Surgery
61. Study to determine primary tumor factors predicting lymph node metastases in early (T1 and T2) oral cavity squamous cell carcinoma, Otorhinolaryngology and Head Neck Surgery, AIIMS
62. Study to determine the role of mTOR pathway in the pathogenesis of juvenile nasopharyngeal angiofibroma, Otorhinolaryngology and Head Neck Surgery, AIIMS
63. Targeting Chemoresistance in Gallbladder Cancer: A Multi-Omics Based Screening and Identification of Small
64. Targeting Nucleolin for Refining Anti-Neoplastic Chemo-Immunotherapy and Immunomodulation in B-Cell Lymphoma, Central Drug Research Institute (CDRI), Lucknow
65. The Eliminate Trial: A Phase II/IIIrandomised trial evaluating omission of post-operative radiotherapy in pathological proven N0/N1 neck for squamous cell carcinomas of the oral cavity, Radiation Oncology, NCI
66. The Role of 68Ga-PSMA-PET/CT Scan as a single Staging Modality in Prostate Cancer, Nuclear Medicine, A.I.I.M.S, New Delhi
67. To investigate the significance of Estrogen Related Receptor Gamma (ERRγ) expression in thyroid cancer and study its potential as a therapeutic target, Department of Medical Oncology, AIIMS, New Delhi

68. Tumor dynamics & immune cell interactions in Anaplastic Thyroid Carcinoma, Department of Biochemistry, AIIMS, New Delhi
69. Ultrastructure level mechanism of nanoparticle interaction, internalization, and trafficking at a cellular level, Anatomy, New Delhi

Completed

1. A comparative study of smooth muscle cell characteristics and myofibroblasts in processus vaginalis of pediatric inguinal hernia, hydrocele and undescended testis, Pediatric Surgery, AIIMS
2. A phase II study to evaluate the efficacy of cisplatin and gemcitabine based neo-adjuvant chemotherapy followed by dysphagia optimized intensity modulated radiotherapy with concomitant cisplatin and correlation of clinical outcome with serial plasma epsteinbarr virus DNA titre in patients with locally advanced nasopharyngeal carcinoma, Radiation Oncology, IRCH, AIIMS
3. A pilot study to evaluate the role of 68Ga-PSMA-HBED-CC PET/CT in patients with juvenile nasal angiofibroma, Otorhinolaryngology and Head Neck Surgery, AIIMS
4. A Prospective study to determine the efficacy of Positron Emission Tomography-Computed Tomography (18F-FDG PET-CT) scan in detecting residual disease in Locally Advanced Head & Neck Squamous Cell Carcinoma managed with primary Chemo-Radiation Therapy and its comparison with CECT, Nuclear Medicine, AIIMS
5. A prospective study to evaluate the impact of oral submucous fibrosis on occult and overt lymph nodal metastasis in gingivo buccal complex carcinoma of oral cavity (T1-T4), Otorhinolaryngology and Head Neck Surgery, AIIMS
6. Ambispective Study to Assess Various Primary Tumour and Ipsilateral Nodal Factors Associated with Contralateral Nodal Metastasis In Patients With OCSCC, Otorhinolaryngology and Head Neck Surgery, AIIMS
7. An open label Phase II Randomised trial to evaluate the efficacy of oral metronomic chemotherapy (conventional dose methotrexate+ celecoxib) followed by surgery vs upfront surgery (Control arm) in patients with operable squamous cell carcinoma of oral cavity in terms of clinical and pathological response and disease-free survival and overall survival, Surgical Oncology, IRCH, AIIMS
8. Assessment of host immunological tumour response by histochemistry in cancer oral cavity and its impact on prognosis – Retrospective cohort study, Otorhinolaryngology and Head Neck Surgery, AIIMS
9. Assessment of Precervical (peri-marginal and lingual) lymph node as the first echelon for squamous cell carcinoma of the oral cavity, Otorhinolaryngology and Head Neck Surgery, AIIMS
10. Biochemical and enzymatic analysis of bile in choledochal cyst and their correlation with histopathological features and expression of immune modulators, Pediatric surgery, AIIMS
11. BRCC3 expression as a prognostic marker in Oropharyngeal squamous cell carcinoma patients and its effects on radiotherapy resistance, Otorhinolaryngology and Head Neck Surgery, AIIMS
12. Clinicoradiological Co-relation in ascertaining the end point of treatment of Invasive Fungal Sinusitis, Otorhinolaryngology and Head Neck Surgery, AIIMS
13. Coblation assisted endoscopic excision of juvenile nasopharyngeal angiofibroma: a prospective pilot study, Otorhinolaryngology and Head Neck Surgery, AIIMS
14. Comparative proteomics analysis to identify potential biomarkers during the transformation of premalignant oral conditions to malignant oral squamous cell carcinoma, Biophysics, AIIMS
15. Detection of Extra nodal extension in node positive oral cavity squamous cell carcinoma, Otorhinolaryngology and Head Neck Surgery, AIIMS
16. Detection of oncogenic viruses HPV and EBV by immunohistochemistry in secondary cervical lymph nodes from primary of oropharynx, nasopharynx, and unknown primary, Otorhinolaryngology and Head Neck Surgery, AIIMS
17. Differential expression of apoptosis related miRNA in diagnosis and Prognosis of Wilms Tumor and Neuroblastoma, Pediatrics
18. Dynamic contrast enhanced MR perfusion in the assessment of angiogenesis in Juvenile Nasopharyngeal Angiofibroma (JNA), Radiology, AIIMS
19. Evaluation of Coronavirus in tears and conjunctival secretions of patients with SARS COVID-19, R P Centre, AIIMS

20. Evaluation of genetic profile of olfactory neuroblastomas, Otorhinolaryngology and Head Neck Surgery, AIIMS
21. Evaluation of split-bolus dual energy CT in staging of carcinoma larynx, Radiology, AIIMS
22. Evaluation of unknown head and neck primaries metastatic to cervical lymph nodes, Otorhinolaryngology and Head Neck Surgery, AIIMS
23. Exploration of first echelon sentinel lymph node drainage of squamous cell carcinoma of the tonsil particularly with reference to the lateral retropharyngeal lymph node of Rouviere, Otorhinolaryngology and Head Neck Surgery, AIIMS
24. Exploration of the Vitamin-D and WNT/Beta-catenin signalling pathway in Juvenile Angiofibroma, Otorhinolaryngology and Head Neck Surgery, AIIMS
25. Expression of ACE2 receptor in mucormycosis patients, Otorhinolaryngology and Head Neck Surgery, AIIMS
26. Feasibility And Outcome Of Minilaparotomy Assisted Laparoscopic Myomectomy for Large Myomas, Obs& Gyn
27. Feasibility study of dual technique-blue dye and fluorescence imaging for detection of sentinel node in oral cavity cancer – a prospective validation study, Surgical Oncology, IRCH, AIIMS
28. Identification and Evaluation of novel proteins, inhibitors of apoptotic proteins and exosomes in cases of pancreatic neuroendocrine tumors, Department of Anatomy, AIIMS, New Delhi
29. Molecular and immunological characterization of benign fibroosseous lesions affecting oral and maxillofacial region, Oral Pathology, CDER
30. PCR for EBV DNA in suspected nasopharyngeal carcinoma patients, Microbiology, AIIMS
31. Pilot study to evaluate the role of toluidine blue dye and narrow band imaging for assessment of malignant and potentially malignant disorders in oral cavity and update and analysis of oral cancer database, Surgical Oncology, IRCH, AIIMS
32. Prevalence of BRCA 1/2 germ line mutations in young Indian women (<40 years) with Triple negative breast cancers, Surgery
33. Prospective study to determine the incidence of intraglandular, peri-parotid, occult and overt cervical lymph node metastasis in patients with primary parotid carcinoma, Otorhinolaryngology and Head Neck Surgery, AIIMS
34. PSMA nucleotide therapy, Nuclear Medicine, AIIMS
35. Role of MRI in evaluation of residual tumor burden following neoadjuvant chemotherapy in patients with breast cancer, Radio diagnosis
36. Role of PET in surgical management of Oral cavity Squamous cell carcinoma, Otorhinolaryngology and Head Neck Surgery, AIIMS
37. Role of Serum Visfatin and Adiponectin Levels in Patients with Carcinoma Endometrium, Obs & Gyn
38. Role of Tele-consultation of ASHA Workers in counseling women for Cervical Cancer Screening by Self-Sampling for Human Papilloma Virus, Obs & Gyn
39. Study of microvascular density and CD68 immunopositive tumor associated macrophages in oral squamous cell carcinoma, Otorhinolaryngology and Head Neck Surgery, AIIMS
40. The clinicopathological evaluation of cholesteatoma aggressiveness, Otorhinolaryngology and Head Neck Surgery, AIIMS
41. To Assess the Prevalence of Lingual Lymph Nodes and Pattern of Lymph Nodal Spread in Squamous Cell Carcinoma of the Tongue, Otorhinolaryngology and Head Neck Surgery, AIIMS
42. To determine incidence of paratracheal lymph node metastasis in patients with carcinoma larynx and hypopharynx planned for partial/total laryngectomy, Otorhinolaryngology and Head Neck Surgery, AIIMS
43. To evaluate the role of dynamic contrast enhanced MR perfusion in characterization of sinonasal and skull base masses, Radiology, AIIMS
44. To evaluate the role of trans nasal esophageal endoscopy for detection of synchronous esophageal neoplasm in head and neck cancer patients, Otorhinolaryngology and Head Neck Surgery, AIIMS
45. Use of Cancer Testis Antigen POTE-E in preoperativediagnosis of Epithelial Ovarian Tumors: A Pilot Study, Gyn & Obs

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023-24	2024-25
Total funded projects (Ongoing projects)	41	45	41
Total funding (Ongoing projects)	Rs 1594.05 Lakhs	Rs 1696.67 Lakhs	Rs 1450.02 Lakhs

Publications:

Journals: 137 **Abstracts: 42** **Chapters in Book: 07**

Publications

Item	2022–2023	2023-24	2024-25
Total	**188**	**230**	**186**
Journal articles	139	184	137
Abstracts	38	34	42
Chapters in books	10	12	07
Books	1	0	0

PATIENT CARE

Laboratory Services		2022-23	2023-24	2024-25
Surgical Pathology Laboratory	Specimens processed	60,071	64,712	64,975
	Special stains	37,800	31,500	20,789
Cytopathology Laboratory	Total specimens	28,845	28,351	28,822
	FNAC (out patient)	9060	9520	9162
	Exfoliatives routine	10,005	10,806	11,640
	Cervical smears (PAP smears)	9780	8025	8020
	Cell blocks	9000	10800	8244
Autopsies performed		3		
Immunohistochemistry Laboratory	Diagnostic	80,530	88,735	91,521
Electron Microscope Facility	Total samples	1157	1354	1523
	Muscle sample	236	223	175
	Nerve sample	7	16	49
	Skin Sample	37	22	18
	Tumor Sample	81	68	62
	Paraffin Block	5	12	15
	D2 biopsies	7	12	12
	Heart	-	-	71
	Kidney	791	955	1110
	Other	3	18	11

Laboratory Services		2022-23	2023-24	2024-25
Research Microtomy and Thesis IHC Lab	Research Blocks	2800	4050	-
	Thesis Blocks	6000	7040	-
	Autopsy Blocks	65	450	1323
	H & E Slides	36000	52700	-
	U/S (Coated) Slides	20000	24000	-
	Block Embedded	32335	49700	-
	Frozen Sections	1005	867	1075
Renal pathology services	Urine sediment analysis	2686	1759	2006
	Immunofluorescence of kidney biopsy	745	989	1072
	Electron microscopy of kidney biopsy	791	955	1259
Cardiac pathology	Routine specimens	396	2850	1591
	Research specimens	140	1400	1419
	Immunohistochemistry	276	276	225
	H & E stain	288	4200	3112
	Special stains	1608	1600	1207
	Manual processing of post-transplant biopsies	114	276	30
	Cutting of blocks (unstained sections)	776	534	649
	DIF	212	-	191
Molecular pathology	Real time PCR (EGFR, PIK3CA, BRAF, KRAS, NRAS, HRAS etc)	587	1029	1243
	RNA ISH (HR-HPV, EBER-ISH, kappa-lambda ISH)	-	30	150
	Liquid biopsy (EGFR)	125	310	334
	BRCA1 BRCA2 sequencing	-	-	110
	Gene rearrangement assay (TCRγ, β, IgH, IgK)	-	-	47
	Mutation analysis (Sequencing)	-	-	18
Fluorescence in situ hybridization	Diagnostic or Prognostic (Pulmonary, Head and neck, Breast, Gynae, Soft tissue, Lymphoma, Gastrointestinal, Pediatric, Endocrine pathology)	780	1135	1418
Slide scanning on Digital slide scanner		-	12,500	22,239

AWARDS, HONOURS AND SIGNIFICANT EVENTS

For individual faculty members

Professor Sandeep R Mathur was Awarded the prestigious "Shobha Seth Wenger' Distinguished Chair in Gynaecologic Oncology under "Mira Seth Corpus Fund" for the period 2024-2026. Elected as the founder secretary of the newly launched "Indian Society of Gynecological Pathology (ISGyP)". The society is aimed at organizing educational and research activities in the field of gynecologic Pathology in India and collaborate with international counterparts in this field.

Professor Prasenjit Das was Working as Associate Editor of the Indian Journal of Pathologists & Microbiologists. He was Working as Associate Editor of the Indian Journal of Gastroenterology. He was Professor-in charge of Store of Department of Pathology, Department of Pathology, AIIMS, New Delhi. He was Member-Secretary of Department Condemnation Committee. He was Subject Expert Meeting for Question paper setting, National Board of Examinations, New Delhi. He was Reviewer of MD thesis-PGIMER Chandigarh. He was Member of External Purchase committees-GB Pant Hospital, Delhi; JIPMER Puduchery. He was Subject Expert Meeting for Question paper setting, National Board of Examinations, New Delhi. He was Chairman of Board of Examiners for MBBS 2nd Prof examination-twice in 2024-25.

Professor Deepali Jain: Fellow National Academy of Medical Sciences (FAMS), India, 2024; AIIMS Excellence Research Award Clinical Sciences, Certificate of excellence 2023; Listed in Stanford University California list of world's top 2% of scientists 2023; Subject expert Delhi University; Subject expert AIIMS Kalyani; Subject expert National Board of Examinations; Invited as Responsible Chapter Author WHO Head and Neck Cytopathology 1st Edition;

Significant events: Co-chair Asia Conference on Lung Cancer (ACLC) October 2024 Hong Kong; Session Chair: Plenary 3: Showcase of Best Abstracts. Asia Conference on Lung Cancer 19 October 2024 Hong Kong; Session Chair: Women in Thoracic Oncology Workshop. Asia Conference on Lung Cancer October 18, 2024 Hong Kong; Session Chair: Translational Pathology and Biomarkers. Asia Conference on Lung Cancer 17 October 2024 Hong Kong.

Professor Geetika Singh was Invited to be part of the Renal Pathology working group, International society of Nephrology 2024-2025. He was Invited to be part of the South Asia Regional Board (SARB) of the International society of Nephrology 2024-2025. She was Invited to be part of the Editorial board of international journal-Glomerular Diseases 2024-2025. She was Invited to be part of the Editorial board of Indian Journal of Nephrology and Indian Journal of Transplantation 2024-2025. Regular Faculty for GLOMCON Virtual fellowship; Conducted AIIMS Mayo Clinic Update in Kidney disease and Transplantation 2024 on 7th – 8th December in collaboration with the Department of Nephrology.

Professor Sudheer Arava is Member, Indian society of heart research (ISHR); He was Member, Indian Society of Atherosclerotic Research (ISHR). He was Member, Indian society of heart and lung transplantation (ISHLT). He was Associate editor, IJDPPD journal. He was Reviewer, Indian journal of pathology and microbiology (IJPM). He was Member. International academy of Pathology-Indian division (IAPID). He was Reviewer, Journal of practice of cardiovascular sciences (JPCS). He was Member, Association of European cardiovascular pathology (AECVP). He was Member, Dermatopathology Society of India (DSI); Member, Indian association of pathologist and microbiologist (IAPM).

Professor Asit Ranjan Mridha received: "An affordable measurement solution for hyperthermia bone cancer treatment." Application Number: 202511009268, Publication Number: 13/2025, Publication Date: 28 March 2025, Publication Type: INA, Application Filing Date: 04 February 2025; Applicants: Dr. Hari Shankar Singh, Dr. Vishal Srivastava, Dr. Asit Ranjan Mridha, Dr. Adarsh Barwad, Dr. Venktesan Sampath Kumar; Dr. Binod Kumar Kanaujia. "A kit and method for detection of bk virus". APPLICATION NUMBER: 202211058621, DATE OF FILING: 13 October 2022, PUBLICATION DATE (U/S 11A): 19 April 2024. Applicants: Subhash Chandra Yadav, Kishore Sesham, Sunil Kumar, Srishty Raman, Abhishek Gupta, Asit Ranjan Mridha, Raj Kanwar Yadav.

Professor Shipra Agarwal received Certificate of Excellence (in Basic Sciences), 4th Annual Research Day, 29th-30th January 2025, AIIMS, New Delhi. Agarwal S, Kar P, Boruah M, Saha S, Millo T, Kumar C, Vuthaluru S, Goswami R. Innate differences in the molecular signature of normal inferior & superior human parathyroid glands: potential implications for parathyroid adenoma. Mol Cell Biochem. 2023 January 27. doi: 10.1007/s11010-023-04664-9. Epub ahead of print. PMID: 36703095.

Professor Seema Kaushal her poster was selected amongst top five posters in Uropathology Paper presentation at ECP 2024. Invited member of the Working Group on the "Premalignant and Putative Precursor Lesions of the Testis" by prestigious International Society of Urological Pathology (ISUP) at Consensus Conference on the GU Precursor Lesions held at Florence, Italy in September 2024.

Professor Rajni Yadav was Member of ASDP (Asian Society of Digital Pathology) Scientific and Membership Committees.

Dr Aanchal Kakkar was invited to be Member of National Cancer Grid Guideline Development Group-Head and Neck; Received Award of AIIMS International Fellowship under AIIMS Endowment Fund to visit Liverpool University Biobank

at Liverpool Head and Neck Centre, Liverpool UK. Invited Member, Head and Neck Consensus Language for Ease and Reproducibility (HN-CLEAR) Working Group for Assessment of Extranodal Extension in Head and Neck Cancer. MD/MS Thesis examiner for B. P. Koirala Institute of Health Sciences, Nepal.

Dr Kavneet Kaur was Fellow Royal College of Pathologists, United Kingdom, April 2024. Moderated the DNA Methylation Workshop on 20 February 2025 on NPSICON 2025 at AIIMS, New Delhi.

Dr Aruna Nambirajan was Fellow Royal College of Pathologists, United Kingdom, April 2024. Moderated the DNA Methylation Workshop on 20 February 2025 on NPSICON 2025 at AIIMS, New Delhi.

Dr Balamurugan T received Associate fellowship of National Academy of Medical Sciences – 23 September 2024 at AIIMS Jodhpur. Attended a Grant writing workshop at Clinical research unit at 30-31 July 2024, AIIMS, New Delhi. Visited CCMB, Hyderabad along with a team of doctors from AIIMS, New Delhi for exploring mutual collaborative research on 12-13 March 2025. Invited as a chairperson to moderate a session on CLPD/Lymphoma on National Hematology Update-XIII from 31 January to 2nd February 2025 at AIIMS, New Delhi.Attended as resource person on FISH ASSAY WORKSHOP on 20 February 2025 on NPSICON 2025 at AIIMS, New Delh.

VISITING SCIENTIST

1. International Faculty from Mayo Clinic, Rochester, USA – Priya Alexander, Neera Dahl, Timucin Taner, Aleksandra Kukla, Ann Moyer

9.31 Pharmacology

Professor and Head

VL Kumar (Superannuated on 31 July 2024)

DS Arya (From 1 August 2024)

Professors

Jatinder Katyal

Surender Singh

KH Reeta

Jagriti Bhatia

Pooja Gupta (From 1 July 2024)

Additional Professors

Sudhir Chandra Sarangi

Harlokesh Narayan Yadav

Scientists

Sunder Singh Samuel

Madhuri Gupta

Swati Sharma

Devendra Singh

Ajay Godwin Potnuri

Jyoti

HIGHLIGHTS

The National Poisons Information Centre (NPIC) in the Department has completed 30 years of its service to the nation.

The Department continues to be ADR monitoring centre (ADR-AMC) under Pharmacovigilance Programme of India (PvPI) and Medical Device Monitoring Centre (MDMC) for Materiovigilance Program of India (MvPI) by Ministry of Health and Family Welfare, Govt. of India.

The Department of Pharmacology organized 'International Pharmacology Conference and 54th Annual Conference of Indian Pharmacological Society' (IPC-IPSCON 2024) from 28th to 30th November 2024 and a two days Pre-conference workshop from 26th to 27th November 2024. The IPC-IPSCON 2024 provided a good platform to showcase the latest advancements in Pharmacology and catered well to the aspirations of young pharmacologists, researchers, and professionals. The theme of the conference was "Today's Research – Tomorrow's Medicine" and there was participation of more than 1200 International and National delegates. The pre-conference workshop was organized on "Techniques in Pharmacological Research" and this provided training and insight to around 150 workshop participants on the application of various techniques in research.

The Department organized following guest lectures:

1. 'Post-marketing safety and risk-management of medicinal products' on 27 February 2025 by Dr Yatin Shivkar, Senior Medical Director, Glaxo Smith Kline (GSK), United Kingdom.

Education

The department is engaged in the teaching programmes of BSc Nursing (Hons), MBBS, MSc (Medical Pharmacology), MD, PhD and DM (Clinical Pharmacology) courses.

CMEs/Workshops/Symposia/National and International Conferences

1. Techniques in Pharmacological Research (Preconference Workshop, IPC-IPSCON 2024), 26-27 November 2024, Delhi
2. International Pharmacology Conference and 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, Delhi

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 25

Jagriti Bhatia: 2	**Pooja Gupta: 3**
Sudhir Chandra Sarangi: 11	**Harlokesh Narayan Yadav: 4**
Madhuri Gupta: 2	**Swati Sharma: 1**
Devendra Singh: 1	**Ajay Godwin Potnuri: 1**

Jagriti Bhatia

1. Role of NPIC as a National Body for prevention, diagnosis and treatment mitigation of accidental poisoning, CME on Principles of Diagnosis, Management & Treatment/ Mitigation of Accidental Agrochemical Poisoning, 8 October 2024, New Delhi
2. Overview of ICH-GCP, National Workshop on Good Clinical Practice (GCP), 21– 22 March 2025, Udaipur

Pooja Gupta

1. Regulations and ethics of serious adverse event reporting, Workshop on serious adverse events in clinical trials and pharmacovigilance, 2 May 2024, New Delhi
2. Budgeting and Financial Planning for Grant Proposals, Workshop on Grant Writing, 31 July 2024, New Delhi
3. Role of Study Director and Study personnel in GLP studies, GLP Sensitization: Best Practices Workshop, 19-20 September 2024, Hyderabad

Sudhir Chandra Sarangi

1. SAE reporting and ADR monitoring Epilepsy, Pharmacovigilance in Clinical Trials: The Global Market', 19-20 April 2024, Mathura
2. Role of artificial intelligence in drug discovery, Artificial Intelligence in Healthcare (AICON-24), 21 April 2024, Rohtak
3. Post-marketing reporting and causality assessment, Workshop on Serious Adverse Events in Clinical Trials, 2 May 2024, New Delhi
4. "SOP in GLP Practice" "Archiving of Data & its Importance in GLP", Sensitization workshop on GLP by NGCMA, DST, 28-29 May 2024, Manesar,
5. Antiseizure drugs, Indian Epilepsy Society (IES) EC meeting and the IES Annual General Body meeting, 23 – 24 August 2024, New Delhi
6. Role of a clinical pharmacologist in geriatric disease management, 3rd National Conference of 'Association of Clinical Pharmacologists of India (ACPCON) 2024', 26 - 28 September 2024, Mumbai
7. Hands on exercise in critical appraisal of scientific literature, 40th Annual National Workshop on Clinical Pharmacology (NWCP 2024), 18 – 23 October 2024, Chandigarh
8. Artificial Intelligence in Drug discovery, North Eastern Medical Pharmacological Society Conference, 15 -17 November 2024, Guwahati,
9. Medication safety and Pharmacovigilance, National Consultation Meeting on Medication and Patient Safety, 29 November 2024, New Delhi
10. Medication adherence issues in cardiovascular diseases, Cardiovascular Research Convergence 2025, 16 February 2025, New Delhi
11. Multicentric Clinical Trials, 'CME on Clinical trial for postgraduates', 29 March 2025, Deoghar

Harlokesh Narayan Yadav

1. Anaemia: Exploring the role of vitamin D, essential elements and lifestyle in Indian Population, DHR-ICMR Health Research Excellence summit 2024, 14 November 2024, New Delhi
2. Current therapeutic target sites in drug discovery, Joint International Conference 2025, 10 -12 January 2025, Ahmedabad

3. Vitamin D and Risk of Cardiovascular Diseases: An Update, Harmonizing Informatics Tools with Pharmaceutical Research for Accelerated Translation in Healthcare: Academia and Industrial Perspectives (HITPATH-2025), 14 -16 February 2025, Patiala
4. Cardio-protective Role of Vitamin D in Acute Coronary Syndrome Patients undergoing RIPC and in Experimental Model of Pulmonary Arterial Hypertension in Rats: A Molecular Aspect, Southern Regional Conference of the Indian Pharmacological Society, 21 _ 22 March 2025, Belagavi

Madhuri Gupta

1. Role of Ethics in Research, 1st International conference on Forensic, Security & Law, 19-21 April 2024, Noida
2. Development of ecofriendly, biodegradable sanitary napkins with bamboo and banana fibers, International Conference on Renewable Energy and Sustainable Technologies (ICREST 2024), 4-6 July 2024, New Delhi

Swati Sharma

1. Awareness of potential hazards posed by self-care, household products and overuse of drugs including ayurvedic formulations, Ayurveda for Wellness at Schools'- 9th Ayurveda Day Celebration, 25 October 2024, New Delhi

Devendra Singh

1. Stereotaxy: Applications in Neuropharmacological Research, Pre-Conference workshop of International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPSCON-2024), 26 -30 November 2024, New Delhi

Ajay Godwin Potnuri

1. Hemodynamics in rodents using invasive and non-invasive techniques, Pre Conference workshop of International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 26-30 November 2024, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
16	18	25

List of oral papers/posters presented: 32

1. Aruna T, Katyal J, Arya DS, Effect of Amantadine in combination with sodium valproate in seizures and seizure induced neurobehavioral changes in rats, 15th Asian & Oceanian Epilepsy Congress (AOEC), 20-23 February 2025, New Delhi
2. Bhardwaj P, Verma VK, Mutneja E, Prajapati V, Bhatia J, Arya DS, Deciphering the Potential Effects of Erdosteine on the Myocardial Tolerance to Ischemia-Reperfusion Injury in Diabetic Rats, International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi
3. Bhardwaj P, Verma VK, Mutneja E, Prajapati V, Bhatia J, Arya DS, Unraveling The Cardioprotective Potential of Erdosteine in Myocardial Infraction in Rat Model of Ischemia Reperfusion Injury, 4th AIIMS Annual Research Day, 29-30 January 2025, New Delhi
4. Bhatia J, Verma VK, Arya DS, Morin, a bioflavonoid, attenuates myocardial ischemia-reperfusion injury by attenuating RISK/SAPK pathway, 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May-3 June 2024, Berlin, Germany
5. Devendra Singh, Kalash Agrawal, Uma Sharma, Reduction in brain infarct with time: Serial magnetic resonance imaging after ischemic reperfusion injury in rats, 64th Annual Conference of National Academy of Medical Sciences, India (NAMSCON 2024), 23-24 November 2024, AIIMS-Jodhpur,
6. Diksha D, Gupta P, Mohan A, Malik PS1, A pilot study to assess oxidative and inflammatory markers as early indicator for the response in non-small cell lung cancer, International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi

7. Diksha D, Gupta P, Shivani S, Dhingra R, Yadav HN, Inampudi KK, Singh S, Yadav S, Exploring the effect of cisplatin on autophagic pathway in human lung adenocarcinoma cell line., International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi

8. Dinesh D, Verma VK, Bhatia J, Arya DS, Molecular understanding towards anti-inflammatory role of Morin in Isoproterenol induced Myocardial necrosis in murine model., 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May - 3 June 2024, Berlin, Germany

9. Dua P, Seth S, Reeta KH., Prakriti stratification in Ayurveda: A way towards personalized management in patients of coronary artery disease (CAD)., International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi

10. Gautam A, Wasan H, Sharma U, Reeta KH., Evaluation of safinamide pretreatment in permanent middle cerebral artery occlusion (p MCAO) model of stroke in rat., International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi

11. Gupta M, Prevention of Poisoning in New Millennium, TOXOCON-20 National Annual Conference, 20-22 November 2024, AIIMS- Deoghar, Jharkhand

12. Gupta M, The Role of Poison Control Centres towards Emerging trends of Poisoning cases in India, International Conference on Toxicology and Applied Pharmacology, 19-21 September 2024, Paris, France

13. Gupta P, Mutneja E, Yadav R., Differential effect of anti-hypertensive medicines on psychomotor performance in hypertensive patients, 16th World Congress of Biological Psychiatry, 5-8 June 2024, Istanbul, Turkey

14. Nivetha K, Verma VK, Bhatia J, Arya DS, Erdosteine reinstate myocardial necrosis: innovatory effect through modulation of MAPK and Nrf2/HO1 pathway, 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May - 3 June 2024, Berlin, Germany

15. Pattnaik SS, Sarangi SC, Tripathi M, Singh S, Singh A, Goswami R2, Effect of add-on vitamin D supplementation on seizure control and epileptogenic biomarkers in drug-resistant epilepsy: A double-blind placebo-controlled trial, The International Student Congress of (Bio)Medical Sciences (ISCOMS), 3-6 June 2024, Groningen, The Netherlands

16. Prajapati V, Bhatia J, Arya DS3, Therapeutic Potential of Abatacept in rat model of cardiac hypertrophy via CTLA-4 analog: an exploration of signalling pathways, 4th AIIMS Annual Research Day, 29-30 January 2025, New Delhi

17. Prajapati V, Verma VK, Bhardwaj P, Bhatia J, Arya DS, Abatacept ameliorates cardiac hypertrophy in rats via altering T lymphocyte subpopulations and activating autophagy., Annual Meeting of the Japanese Society of Medical Oncology (JSMO 2025), 6-8 March 2025, Kobe, Japan

18. Prajapati V, Verma VK, Bhatia J, Arya DS, Abatacept ameliorates cardiac hypertrophy in rats via altering T-lymphocyte subpopulations and activating autophagy, International Pharmacology Conference & 54thAnnual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi

19. Prajapati V, Verma VK, Bhatia J, Arya DS, Therapeutic Potential of Abatacept in rat model of Cardiac Hypertrophy via lidding CD80 and CD86: A Profound Exploration of Signaling Pathways., 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May-3 June 2024, Berlin, Germany

20. Reeta KH, Wasan H., Acute, sub-acute and chronic administration of safinamide offers neuroprotective effect in transient model of ischemic stroke in rats., 149th Annual Meeting of the American Neurological Association, 14-17 September 2024, Orlando, Florida, USA.

21. Sahu AK, Verma VK, Bhatia J, Arya DS., Bombax ceiba flower petals (BC): A natural modulator of MAPK/NF-κBp65/TNF-α & Nrf-2/HO-1 signalling in myocardial ischemia-reperfusion injury, British Pharmacological Society's annual Pharmacology meeting (Pharmacology 2024), 10-12 December 2024, England, United Kingdom

22. Sharma D, Sarangi SC, Bhargava S, Patra BN, Sagar R, Pankaj, Kumaran SS4, Effect of Antidepressants on Neurodegeneration and Neuroplasticity in Patients with Depression: A Comparison between SSRI and SNRI, The World Neuroscience and Psychiatry Conference 2025 (WNPC25), 8-9 March 2025, Bangkok, Thailand

23. Sharma D, Sarangi SC, Sinha S, Pattnaik SS, Singh S, Dash Y, Nambirajan A, Nag TC, Walker MC, Neuroprotective and seizure control potential of trans 4-butylcyclohexane carboxylic acid (4-BCCA) in status epilepticus model in rats, International Pharmacology Conference & 54th **Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024)**, 28-30 November 2024, New Delhi

24. Sharma J, Bhargwa P, Arya DS, Bhatia J, Novel Itaconate derivative attenuates isoproterenol induced cardiotoxicity in experimental animals: a molecular pathway insight, European Society of Hypertension 2024, 31 May-3 June 2024, Berlin, Germany
25. Sinha S, Gupta P, Kairo AK., Serum prestin and otolin-1 as a markers of cisplatin-induced ototoxicity in cervical cancer patients receiving cisplatin., International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society, 28-30 November 2024, New Delhi
26. Sinha S, Sarangi SC, Sharma D, Pattnaik SS, Arora A, Dash Y, Nambirajan A, Nag TC, Singh S, Tripathi M, Impact of PPAR modulators on seizure control, neurobehavior, and neurodegeneration in a status epilepticus model and role of PPAR-HMGCS2 signaling pathway, International Pharmacology Conference & 54th **Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024)**, 28-30 November 2024, New Delhi
27. Srivastava A, Verma VK, Bhatia J, Arya DS, Insights into chrysin protective mechanistic pathways against isoproterenol induced cardiac hypertrophy and fibrosis in rats, 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May - 3 June 2024, Berlin, Germany
28. Srivastava A5, Bhatia J, Arya DS, Cardioprotective mechanism of seabuckthorn oil in diabetic myocardial ischemia reperfusion injury, International Pharmacology Conference & 54thAnnual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi
29. Verma VK, Mutneja E, Arya DS, Potential Implications of Erdosteine on Myocardial Tolerance to Ischemia-Reperfusion Injury in Diabetic Rats., Asia Pacific Cardio-Metabolic Syndrome Congress (APCMS) 2024**,** 26-27 April 2024**,** Seoul, Korea
30. Verma VK, Mutneja E, Bhatia J, Arya DS, CD80 and CD86 masking on antigen-presenting cells exhibited protection from myocardial necrosis and ischemia-reperfusion injury: a preclinical validation, 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May–3 June 2024, Berlin, Germany
31. Verma VK, Narayanan SP, Bhatia J, Arya DS., Unveiling the Heart's Vulnerability: How PDE4 Inhibition can Intensifies Myocardial Injury, 33rd European Meeting on Hypertension and Cardiovascular Protection (ESH-2024), 31 May-3 June 2024, Berlin, Germany
32. Wasan H, Singh D, Sharma U, Reeta KH., Effect of acute, subacute and chronic administration of Safinamide on microglial, International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024), 28-30 November 2024, New Delhi

Awards

1. Prof Hardayal Singh Prize
2. Best Paper award
3. Best Poster Award
4. Certificate of Excellence
5. Best Oral Presentation (Young Pharmacologist Award)

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
20	23	32

Research

Funded

Ongoing

1. Add-on beta-sitosterol for prostate cancer: a double-blind, randomized, placebo -controlled study, Pooja Gupta (Mentor), Juhi (MD student), AIIMS, 2 Years, 2024-2026, Rs 2 Lakhs
2. An investigation into metabolomics of prostate cancer patients to identify diagnostic and prognostic biomarkers for disease burden and therapeutic outcome, and development of metabolomics database, D S Arya, AIIMS, 2 Years, 2022-2025, Rs 20 Lakhs

3. Anemia: Exploring the role of vitamin D, essential elements and lifestyle in Indian Population, Harlokesh Narayan Yadav, ICMR, 3 Years, 2022-2025, Rs 75 Lakhs
4. Chemotherapeutic Effect of a Selected Unani Medicine in Xenograft Mouse Model of Lung Cancer, Pooja Gupta, CCRUM, 3 Years, 2023-2026, Rs 27.39 Lakhs
5. Chrono-pharmacokinetics and chrono-genomics of tyrosine kinase inhibitors in non-small cell lung cancer patients: RCT, Pooja Gupta, DST SERB, 3 Years, 2023-2026, Rs 46.03 Lakhs
6. Cognitive impairment in persons with refractory seizures: Correlation with homocysteine, pyridoxine, folic acid, cyanacobalamin and BDNF levels., Jatinder Katyal, AIIMS, 2 Years, 2024-2026, Rs 9.99 Lakhs
7. Comparative Evaluation of Effect of Remote Ischemic Preconditioning on Inflammatory Markers in STEMI–Patients Undergoing Primary PCI and its Correlation with Serum Vitamin D Levels, Dr. Harlokesh Narayan Yadav, AIIMS, 2 Years, 2024-2026, Rs 2 Lakhs
8. Correlation of antidepressant therapy with orexinergic pathway integrating targeted metabolomics in patients with major depressive disorder: a longitudinal study, KH Reeta, DHR-ICMR, 3 Years, 2023-2026, Rs 54.48 Lakhs
9. Correlation of germline HLA variation by next generation sequencing with immune related adverse events in cancer patients, Pooja Gupta, DST, 3, 2022, 2025,58,15,260
10. Design and development of wirelessly powered nanoscale integrated antenna enabled leadless cardiac Pacemaker system for wireless monitoring of Heart Health, Harlokesh Narayan Yadav, ICMR, 3 Years, 2022-2025, Rs 80 Lakhs
11. Development of antimicrobial hydrogels as a denture cleaning agents by dispersed nano metal oxide in alcoholic extract of Neem leaves, Madhuri Gupta, AIIMS, 2 Years, 2024-2026, Rs 10 Lakhs
12. Development of Reinforced nano dispersed Denture base resin with improved thermoconductive, biocompatible and radiopacity, Madhuri Gupta, ICMR, 3.5 Years, 2021-2025, Rs 36.16 Lakhs
13. Effect of antidepressants and add-on therapy of renin-angiotensin-aldosterone system (RAAS) modulators on treatment response in subjects with depression: Correlation analysis with RAAS related biomarkers and their gene expression, Sudhir Chandra Sarangi, AIIMS, 2 Years, 2023-2025, Rs 5 Lakhs
14. Effect of homeopathic based drug formulation on epileptogenesis and its interaction with antiepileptic drug: A study in experimental model of epilepsy and associated post-ictal depression in rats, Sudhir Chandra Sarangi, CCRH, 3 Years, 2023-2026, Rs 54.92 Lakhs
15. Effect of Myoinositol supplementation on seizure frequency in person with drug resistant epilepsy A double blind randomized N-of-1 trial, Sudhir Chandra Sarangi (Mentor), Saket (MD Student), AIIMS, 2 Years, 2025-2027, Rs 2 Lakhs
16. Effect of Transplantation of Lentivirus mediated genetically engineered mesenchymal stem cells into monocrotaline-induced pulmonary hypertension in rats: validation by Next Generation Sequencing, Harlokesh Narayan Yadav, AIIMS, 2 Years, 2024-2026, Rs 20 Lakhs
17. Evaluation of Guduchi Sattava for its anti-platelet and thrombolytic potential using in-vitro experimental models, Ajay Godwin Potnuri, ICMR, 2, 2023, 2025, 15,90,000
18. Evaluation of the cardioprotective effect of remote ischemic preconditioning in acute coronary syndrome patients and its correlation with vitamin D, Harlokesh Narayan Yadav, DHR, 3 Years, 2024-2026, Rs 82 Lakhs
19. Exploratory analysis of the association between pyrethroid exposure and Parkinson's disease: A Case-control study, Devendra Singh, AIIMS, 2 Years, 2024-2026, Rs 10 Lakhs
20. Genetic expression of monoaminergic neurotransmission related polymorphisms and their association with antidepressant response in Indian patients suffering from depression, Sudhir Chandra Sarangi, ICMR, 3 Years, 2022-2025, Rs 43.50 Lakhs
21. Investigating the role of Abatacept (CD80/86 inhibitor) as a post treatment in attenuating cardiac ischemia-reperfusion injury in rat model, D S Arya (Mentor), Priya Bhardwaj (DHR Women Scientist), Department of Health Research (MoHFW), New Delhi, 3 Years, 2024-2027, Rs 56.82 Lakhs

22. Pharmacological and Molecular Evaluation of Anshumati Sidhha Ksheera in Experimental Models of Myocardial Infarction, D S Arya (Mentor), Drishya Dinesh (PDF-CCRAS), Post-doctoral Fellow, Central council for research in Ayurvedic Sciences, Ministry of Ayush, India, 2 Years, 2024-2026, Rs 36.43 Lakhs
23. Prospective double blind randomized controlled clinical study on ayurvedic intervention (Sarpgandha mishran) vs Amlodipine for the management of stage-1 hypertension, D S Arya, CCRAS, 4 Years, 2021-2025, Rs 61 Lakhs
24. Randomized double-blinded placebo-controlled clinical trial for the of evaluation of Vitamin K supplementation on bone mineral density in prostate cancer patients., D S Arya, ICMR, 3 Years, 2022-2025, Rs 57 Lakhs
25. Role of renin angiotensin aldosterone system and its modulators upon antidepressant treatment response in persons with depression, Sudhir Chandra Sarangi (Mentor), Mayank (MD Student), AIIMS, 2 Years, 2024-2025, Rs 2 Lakhs
26. Role of Vitamin D in Cardioprotective Effect of Ischemic Preconditioning in Rat Hearts, Harlokesh Narayan Yadav, AIIMS, 2 Years, 2024-2026, Rs 2 Lakhs
27. Spatio-temporal expression profile of hemeoxygenase-1 in experimental model of ischemic stroke in rats., Devendra Singh, SERB-Startup Research Grant, 2 Years, 2023-2025, Rs 29.20 Lakhs
28. To evaluate the anticancer activity of ivermectin with gefitinib in epidermal growth factor receptor mutated lung cancer cell line and xenograft mouse model, Pooja Gupta, ICMR, 3 Years, 2023-2026, Rs 20.12 Lakhs
29. To evaluate the cardioprotective effect of Morin in autoimmune myocarditis and diabetic myocarditis in rats, Jagriti Bhatia (Mentor), Nivetha K (MD student), AIIMS, 2 Years, 2024-2026, Rs 2 Lakhs
30. To evaluate the effect of add on Metformin and its correlation with serum vitamin D levels in patients of pulmonary fibrosis - A randomized, open label, proof of concept study, DS Arya (Mentor), Shivom Pratap (MD student), AIIMS Intramural MD thesis support grant, 2 Years, 2024-2026, Rs 2 Lakhs
31. To evaluate the effect of Erdosteine on the experimental auto-immune myocarditis model, DS Arya, AIIMS-THSTI (Collaborative Research), 2 Years, 2024-2026, 20 Lakhs
32. Toxicity studies of Homeopathic drugs, Sudhir Chandra Sarangi, CCRH, 2 Years, 2025-2027, Rs 30.91 Lakhs
33. Understanding the QT prolongation risk of Imidacloprid and its metabolites using in vitro pharmacological studies, Ajay Godwin Potnuri, AIIMS, 2 Years, 2024-2025, Rs 10 Lakhs

Completed

1. Assessment of awareness, perception and KAP (Knowledge, Attitude & Practices) related to common poisons and development of scientific communication modules for lifestyle modulation & year-round strategy for public awareness towards prevention of poisoning, Swati Sharma, DST, 2 Years, 2021-2023, Rs 42.58 Lakhs
2. Association of social cognition and behavioural impairment in persons with epilepsy on antiepileptic drug monotherapy: Correlation with neuroimaging findings and trace elements status, Sudhir Chandra Sarangi, DST, 3 Years, 2021-2024, Rs 37.90 Lakhs
3. Evaluation of the effect of safinamide on microglial polarization shift in permanent and transient models of acute ischemic stroke in rats, KH Reeta (Mentor), Himika Wasan (DHR young scientist), DHR (ICMR), 3 Years, 2022-2025, Rs 49.03 Lakhs
4. ICMR: Product Development Centre, DS Arya, ICMR, 5 Years, 2019-2024, Rs 71 Lakhs
5. Identification of potential biomarkers associated with lead toxicity due to occupational exposure using in-silico methods, Swati Sharma, AIIMS Intramural project, 2 Years, 2022-2024, Rs 10 Lakhs
6. To study effects of 4 octyl itaconate in different models of cardiac fibrosis and to assess its role in NLRP3 inflammosome pathway, Jagriti Bhatia, SERB, New Delhi, 3 Years, 2021-2024, Rs 27.31 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A comparative study to evaluate the effect of pyridoxine supplementation on neuropsychiatric adverse effects in persons with epilepsy on levetiracetam therapy versus brivaracetam- a randomized double blind placebo-controlled study

2. A randomized controlled trial to assess the effect of riboflavin supplementation with antidepressant treatment in persons with major depressive disorder
3. Association of genetic polymorphism related to monoaminergic neurotransmission and drug transpoters with social congnition and treatment response in depression patients of Indian population : A machine learning-based approach
4. Comparative evaluation of effect of remote ischemic conditioning on inflammatory and cardiac biomarkers in STEMI patients undergoing primary PCI and correlating with Vitamin D levels
5. Correlation of antidepressant therapy with orexinergic pathway in patients with major depressive disorder : a longitudinal study
6. Cross talk between AT1 and Mas receptors on modulation of Mitochondrial Functioning and Fibroblast-to-Myofibroblast transition in the Experimental rat model of Pulmonary Arterial Hypertension: Role of NOX2, NOX4, and DRP-1 signaling
7. Determination of cognitive impairment in pharmacoresistant epilepsy patients on anti-seizure medications -- a prospective, observational study
8. Effect of ACE inhibitors and angiotensin receptor blockers on renin angiotensin system markers in brain tissue of postmortem subjects with depression
9. Effect of different doses of nivolumab on serum cyfra 21-1 levels in NSCLC patients: an observational study
10. Effect of group B vitamins on seizures and cognition using kindling model in rats and efficacy of ASM levetiracetam
11. Effect of Probiotics as an Add-on to Standard Antidepressant Therapy in Patients of Major Depressive Disorder in Indian population: A Randomized, Double-Blind, Placebo-Controlled Study
12. Effect of simvastatin as an add-on to standard antidepressant therapy in patients with major depressive disorder in Indian population: A randomized, double-blind, placebo-controlled study
13. Effect of Transplantation of Lentiviral Mediated Genetically Engineered Mesenchymal Stem Cells into Monocrotaline induced Pulmonary hypertension in Rats: validation by Next Generation Sequencing
14. Effects of myoinositol supplementation on seizure frequency in person with drug resistant epilepsy a double-blind randomised n-of-1 trial
15. Evaluating the role of PDE4 inhibition in rat model of isoproterenol induced cardiac hypertrophy
16. Evaluation of Add-on Therapy with Bempedoic Acid and Ezetimibe Fixed Dose Combination versus Add-on Atorvastatin on LDL Cholesterol Levels in Patients with Uncontrolled LDL Cholesterol on Atorvastatin 40 mg: A 12-week Randomized Controlled Trial
17. Evaluation of Efficacy of Metformin in Alleviating Depression -like behaviours induced by Unpredictable Chronic Mild Stress in rats.
18. Evaluation of the cardioprotective potential of Colchicine in isoproterenol induced cardiac hypertrophy in rats
19. Experimental evaluation of the effect of dapagliflozin on bleomycin induced pulmonary toxicity and fibrosis in rats
20. Experimental evaluation of the effect of Tinospora cardifolia on bleomycin induced pulmonary toxicity and fibrosis in rats
21. Experimental study to delineate the effect of Morin in Isoproterenol induced cardiac hypertrophy
22. Investigating the role of Imeglimin against isoproterenol induced cardiac hypertrophy in a rat model
23. Neuropsychiatric co-morbidities and serum folate, cyanocobalamin levels in persons with drug resistant epilepsy—an observational study
24. PCSK9 inhibitors plus statins vs statins alone in ascvd: a systemic review and meta-analysis of cardiovascular events, plaque regression and safety
25. Randomised placebo controlled trial of add on beta sitosterol for metastatic prostate cancer

26. Role of calcium sensing receptor on modulation of beta-adrenergic receptor mediated signaling in experimental models of heart failure: Cross talk between beta1 and beta2 receptors
27. Role of NOX2/4 and DRP1 in the modulation of endothelin (ETA & ETB) receptor-mediated signaling in an experimental model of cardiomyopathy in rats
28. Role of renin angiotensin aldosterone system and its modulators upon antidepressant treatment response in patients of depression
29. Studies on metabolic changes in prostate carcinoma patients
30. To evaluate the cardioprotective effect of morin in murine model of autoimmune myocarditis
31. To evaluate the effect of add on metformin and its correlation with serum vitamin-d levels in patients of pulmonary fibrosis- a randomized, open label, proof of concept study.
32. To evaluate the effect of erdosteine in experimental autoimmune myocarditis model in mice

Completed

1. Effect of a novel compound formulation based on the active principle of Ocimum sanctum on seizure control and neurobehavioral parameters in a rat model of status epilepticus
2. Effect of amantadine in combination with sodium valproate on seizure and seizure-induced behavioral changes in rats
3. Evaluation of safinamide pretreatment in permanent middle cerebral artery occlusion (pMCAO) model of stroke in rat
4. Experimental evaluation of the effect of 4-Octyl Itaconate in DOCA-Salt induced hypertension and doxorubicin-induced cardiomyopathy in rats
5. Pharmacological Studies to Delineate the Effects of Nilotinib in Experimental Models of Non-Alcoholic Fatty Liver Disease (NAFLD)
6. Role of Sodium-Glucose Co Transporter (SGLT) on seizure control and Neurobehavioral parameters in status epileptics model in rats
7. Studies to delineate and characterize the potential cardioprotective effect of selected plant extracts in experimental models of Myocardial Infarction
8. Therapeutic drug monitoring of anti-seizure medications, and pregnancy complications assessment in pregnant women with epilepsy

Collaborative projects

Ongoing

1. A cohort study for predictive modelling of remission in patients with depression using neurotrophic and kynurenine pathway biomarkers and social cognition, Psychiatry
2. Local application of specific Unani drug for medical management of oral submucosal fibrosis (OSF): A randomized controlled clinical trial, ENT
3. Prevention of radiotherapy induced xerostomia by intraductal administration of N-acetyl cysteine in patients with oropharyngeal malignancies: a randomized clinical trial, ENT
4. STENOSIS: Long term single versus dual antiplatelet therapy in patients with ischemic stroke due to intracranial atherosclerotic disease: A randomized trial, Neurology

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	30	29	33
Total funding	Rs 1069.94 Lakhs	Rs 1066.46 Lakhs	Rs 984.01 Lakhs

Publications:

Journals: 25 **Abstracts: 13** **Chapters in Book: 03**

PUBLICATIONS OVER PAST 3 YEARS

Item	2022–2023	2023–2024	2024–2025
Total	**49**	**44**	**41**

PATIENT CARE

National Poison Information Centre (NPIC)

The National Poisons Information Centre (NPIC) in the Department of Pharmacology plays a vital role in providing information on management of poisonings. Round the clock service rendered by NPIC is availed by treating physicians, government agencies, NGOs and general public from all over the country.

Poisoning calls received by National Poisons Information Centre, Department of Pharmacology (April 2024 – March 2025)

Total call received at NPIC during April 24 to March 2025		
	Total	**In %**
Total no of calls	6163	100%
Poisoning Calls	6066	98.4
Information Calls	46	0.74
UK	51	0.82
Gender		
Male	3599	59.33
Female	2319	38.22
UK	148	2.43
Age Groups		
>0-6 years	2913	48.02
>6-12 years	434	7.15
>12-18 years	679	11.19
>18-25 years	573	9.44
>25-60 years	1323	21.81
>60 Yrs	111	1.82
UK	33	0.54
Categories (Type of Products)		
Household Products	2491	41.06
Industrial Products	394	6.49
Agricultural Chemicals	1061	17.49
Pharmaceutical Products (Drugs Calls)	1693	27.90
Bites and Stings	122	2.01
Plants	84	1.38
Miscellaneous	169	2.78
UK	52	0.85

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor DS Arya was Appointed Head of the Department of Pharmacology and Chief of the National Poison Information Centre at AIIMS, New Delhi, effective 1 August 2024. Chairperson: Medicines Safety Monitoring Division, DGHS, Central Drugs Standard Control Organization, Govt. of India. Chairman, Sub-Committee, Drugs Consultative Committee-

Drugs Technical Advisory Board (DCC-DTAB) Division, CDSCO, DGHS, Govt. of India. Medical Member, Anti-Doping Disciplinary Panel (ADDP), National Anti-Doping Agency, Ministry of Youth Affairs & Sports, Govt. of India. Subject Expert and Member, (Cardiology; Endocrinology & Metabolism), Directorate General of Health Services, Central Drug Standard Control Organization, Govt of India. Member of Subject Expert Committee (Pharmacology), CDSCO, DGHS, Govt of India. Member, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Govt of India. Subject Expert and Member, Scientific Advisory Committee, CCRUM, Ministry of AYUSH, Govt. of India. DSMB member and Subject Expert for various projects under CCRAS, Ministry of AYUSH, Govt of India. Organizing Chairman, International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society 2024 (IPC- IPSCON 2024) at All India Institute of Medical Sciences (AIIMS), New Delhi.

Professor KH Reeta Completed "Orientation Course on AI for Medical Professionals", organized by IIIT Hyderabad, National Academy of Medical Sciences (NAMS), and the IIIT-H Data IHub Foundation, held weekly (every Sunday) from September to December 2024, and am now a 'Certified AI Professional'.

Professor Jagriti Bhatia was President, Indian Society for Atherosclerosis Research, Delhi Chapter for the term 2023 – 2024. Elected as Fellow of Indian Pharmacological Society (FIPS). Member National Executive Council from New Delhi of National Association of Pharmacology and Therapeutics for the term 2023 – 2025. Executive Committee Member of Indian Society for Atherosclerosis Research (National Body). Executive Committee Member of Indian Society for Rational Pharmacotherapeutics. Member of the Institute Ethics Committee for Post graduate research

Professor Pooja Gupta was Professor-in-Charge, Computer Facility. Member Secretary: Institute Ethics Subcommittee for monitoring of adverse events in clinical trials at AIIMS, New Delhi. Chairperson, Drugs and Therapeutics Committee, NCI Jhajjar & IRCH, AIIMS. Member: Working Committee, Clinical Research Unit at AIIMS, New Delhi. Member, Committee for preparation of National Drugs Database, CDSCO. Expert committee member for revision of Schedule H, CDSCO. Ethics Committee, National Institute of Malaria Research, ICMR.

Dr Sudhir Chandra Sarangi was Inspector for Good Laboratory Practice inspection duty conducted by National GLP Compliance Monitoring Authority (NGCMA), Department of Science and Technology, Govt. of India. Selected as a Nominee of Committee for Control and Supervision of Experiments on Animals (CCSEA). Member of sub-committee to assist Institute Ethics Committee (IEC-SC for SAEs in CT), AIIMS, New Delhi for monitoring of Adverse events in clinical trials. Member of Board of Studies (BoS) as external subject expert in the Department of Pharmacology, HIMSR, New Delhi. Member of Institutional Ethics Committee of Fortis Escorts Heart Institute and Fortis Flt Lt. Rajan Dhall Hospital, New Delhi. Elected as Executive committee member of Indian Epilepsy Society.

Dr Harlokesh Narayan Yadav was Elected as a fellow of the Punjab Academy of Sciences 2024 (FPAS). Awarded the 'Certificate of Excellence' for innovation in DHR-ICMR Health Research Excellence Summit 2024 for the ICMR funded project, "Anaemia: Exploring the role of vitamin D, essential elements and lifestyle in Indian Population". Awarded the Distinguished Service Award in Cardiovascular Sciences by International Academy of Cardiovascular Sciences, Winnipeg, Canada at the Joint International Conference 2025 held in Ahmedabad, Gujarat, India. Member of the Selection Committee meeting at CSIR as a Subject Expert in the Indian Institute of Toxicological Research, Lucknow on 4 March 2025.

Dr Devender Singh was Elected as member of the National Academy of Medical Sciences, India (MNAMS).

VISITING SCIENTISTS

Short Term Observership (15 days): Dr Ved, Prakash Assistant Professor Department of Pharmacology, IMS-BHU Varanasi-221005 (U.P)

9.32 Physical Medicine and Rehabilitation

Professor and Head

Sanjay Wadhwa

Professors

SL Yadav

Gita Handa Thukral
(w.e.f. 1 July 2024)

Srikumar V

Additional Professors

Asem Rangita Chanu
(w.e.f. 1 July 2024)

Srikumar V
(till 30 June 2024)

Associate Professor

Asem Rangita Chanu
(till 30 June 2024)

Assistant Professor

Arun Kumar Chaudhary
(National Centre of Ageing)

STAFF Members

Smita Das
Chief Physiotherapist

Raman Kumar Singh
Chief Occupational Therapist

Ambika PS
PHN Supervisor

OP Yadav
Superintendent Physiotherapist

Ajay Babbar
Senior Technical Officer
(P&O Workshop)

Anil Kumar
Senior Technical Officer
(P&O Workshop)
(w.e.f. 31 August 2024)

HIGHLIGHTS

The Department of PMR organised the 18th Annual Conference of the IPARM (Delhi Chapter of IAPMR) on 30 November–1 December 2024 at the Surgery Block, AIIMS.

Dr Sanjay Wadhwa was involved in framing the Revised Guidelines for Assessment of Persons with Locomotor Disabilities, 2024 as Chairman of Locomotor Disability Group and later on imparting National-level training in the Revised Guidelines for Assessment of Persons with Locomotor Disabilities, 2024 at (i) AIIMS, New Delhi in April 2024, (ii) Punjab University, Chandigarh in January 2025, and (iii) Itanagar, Arunachal Pradesh in March 2025. He is also serving as the Chairman of the Sectional Committee MHD-09 under the Bureau of Indian Standards (Assistive Products including Rehabilitation Appliances, Orthotic and Prosthetic Items).

Faculty of department actively involved in Standardisation of Assistive Devices, Rehabilitation Appliances under the Bureau of Indian Standards, improving Assistive Technology Ecosystem in India by a few initiatives along with IIT Delhi, IIT Madras and NISH Trivandrum under the National Centre for Assistive Health Technology (NCAHT) at AIIMS.

Photograph related to highlights shared below:



Dignitaries on the dais on 30 November 2024 during the inaugural function. Seated right to left are Prof Sanjay Wadhwa (Organising Chairman), Dr RK Srivastava (Guest of Honour), Prof M Srinivas (Hon'ble Chief Guest), Dr AK Mukherjee (Guest of Honour), Prof Ranjan Wadhwa (President IPARM), Prof U Singh (Patron), and Prof Gita Handa Thukral (Organising Secretary).

EDUCATION

Training Programmes

Faculty Members involved in the Undergraduate teachings for the IV Semester (1), VI Semester (4) and VIII Semester (6) as well as visit to the PMR department including P&O Workshop during the year as per the Schedule drawn up by the Academic Section.

Thirteen (13) post-graduate students enrolled for MD (PMR).

One (1) long term trainee (2 years duration), Dr Maj Akshay Sharma, from the Armed Forces joined the department of PMR on 20 March 2025.

One (1) long term trainee (2 years duration) from the Armed Forces, Dr Lt Col Nitin Bameta completed his training in the PMR on 1 November 2024.

The department of PMR is involved in Postgraduate and Fellowship training for Palliative Care and Onco-Anesthesiology, DM Pediatric Neurology, and Pain Medicine Fellowship.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 38

Sanjay Wadhwa: 19 **Gita Handa Thukral: 8**
Srikumar Venkataraman: 8 **Asem Rangita Chanu: 3**

Sanjay Wadhwa

1. Assessment of Locomotor Disability, The First Training Program on Revised Guidelines on Disability Assessment 2024, 23 April 2024, New Delhi
2. Challenges in Assistive Technology in India, Conference on Regional Action Forward in Technology for Assistance & Rehabilitation (RAFTAR-24), 12 July 2024 , New Delhi
3. Support Stories: The Right Fit For Orthotic Appliances, National Conference of Society of OA Research Conference 2024 (SOARCON2024), 13 July 2024, Ahmedabad
4. Optimising Physical Health – Enhancing Physical Well-being, 'Workshop on Professional & Personal Excellence' for mixed Group of DHJS & DJS Officers at Delhi Judicial Academy, Dwarka, 17 August 2024, New Delhi

5. Fatigue Management, 'Workshop on Professional & Personal Excellence' for mixed Group of DHJS & DJS Officers at Delhi Judicial Academy, Dwarka, 17 August 2024, New Delhi
6. Locomotor Disability Evaluation, 6th PMR Refresher Course, 20-21 September 2024, Jaipur
7. Neurogenic Bladder, 6th PMR Refresher Course, 20-21 September 2024, Jaipur
8. Rehabilitation: Innovations to Add Life to Years Poster Presentation, AIIMS Foundation Day Celebrations, 25 September 2024, Delhi
9. Strengthening PMR in India: Vision 2047, IAPMR National Midterm CME2024, 5 October 2024, Guwahati
10. Evaluating the Healthcare Scenario: Impact on Healthy Life, Productivity & Social Security, National conference on Rights of Older Persons under the NHRC, 18 October 2024, New Delhi
11. Challenges related to Assistive Technologies in Rehabilitation of persons with SCI, International Spine & Spinal Injuries Conference (ISSICON2024), 26 October 2024, New Delhi
12. Does the perspective of professionals on Spinal Cord Injury management match that of the Spinal Cord Injury Community?, Consumer Integrated Panel Discussion during International Spine & Spinal Injuries Conference (ISSICON2024), 26 October 2024, New Delhi
13. International Day of Persons with Disabilities – Back ground, Need, Progress, and Themes during different years, Seminar on the International Day of Persons with Disabilities, 3 December 2024, New Delhi
14. Assessment of Locomotor Disability, 7th Training Program on Revised Guidelines on Disability Assessment 2024, 25 January 2025, Chandigarh
15. Common complications following SCI, 53rd Annual Conference of IAPMR (IAPMRCON2025), 30 January 2025, Bengaluru
16. Keynote Address: Role of Rehabilitation in the Context of Lifestyle Diseases, Armed Forces Physiatry & Sports Injury Conference 2025 (AFPSICON 25), 15 February 2025, New Delhi
17. Mainstreaming Rehabilitation in NCD Programs, 10th International Course on Public Health Approaches to NCDs, 5 March 2025, Chandigarh
18. Assessment of Locomotor Disability, 7th Training Program on Revised Guidelines on Disability Assessment 2024, 25 March 2025, Itanagar
19. Clinical Management in SCI Rehabilitation, 13th Annual Conference of the Indian Federation of Neuro Rehabilitation, 28 March 2025, Ludhiana

Gita Handa Thukral

1. Recent Developments in Assistive Technology in India and the way forward, International Conference of International Society of Physical and Rehabilitation Medicine, 1-6 June 2024, Sydney
2. Policy Analysis for inclusion of Assistive Technology in Health Systems, IAPMR Midterm CME, 4-6 October 2024, Guwahati
3. Investigating Wheelchair Usage Patterns: A Cross-Sectional Study of User Experience at a Tertiary Hospital, using the rATA Questionnaire, Assistive Technology Conference EMPOWER24 Poster Presentation, 17-19 October 2024, Trivandrum
4. User's Perception about Ankle and foot Orthosis using QUEST Scale: A Cross- sectional Study in India, Assistive Technology Conference EMPOWER24 Poster Presentation, 17-19 October 2024, Trivandrum
5. Assistive Technology Innovations for Spinal Cord Injury - Current Trends, ISSICON2024, 26-27 October 2024, New Delhi
6. Assessment of central fatigue in postpolio syndrome using bereitschafts potential, 4th Annual Institute Research Day, 30 January 2025, New Delhi
7. Investigating Wheelchair Usage Patterns: A Cross-Sectional Study of User experience at tertiary hospital, 4th Annual Institute Research Day, 30 January 2025, New Delhi
8. Rehabilitation in Cerebral Palsy, Armed Forces Physiatry & Sports Injury Conference 2025 (AFPSICON 25), 14-15 February 2025, New Delhi

Srikumar Venkataraman

1. Translating the mechanisms of motor recovery in stroke rehabilitation, 17th Annual State Conference IAPMR Kerala Chapter, 17-19 May 2024, Kozhikode
2. Autonomic Dysreflexia, 6th PMR Refresher Course, 20-22 September 2024, Jaipur

3. Ethics in Physiatry, IAPMR National Mid-term CME 2024, 4-6 October 2024, Guwahati
4. Motor recovery in stroke rehabilitation: From Lab to Rehab, IAPMR National Mid-term CME 2024, 4-6 October 2024, Guwahati
5. Robotic-assisted rehabilitation after spinal cord injury, Panel Discussion during the 24th Annual Conference of Spinal Cord Society - International Spine and Spinal Injuries Conference (ISSICON 2024), 25-27 October 2024, Delhi
6. Transcranial magnetic stimulation in spinal cord injury rehabilitation, 24th Annual Conference of Spinal Cord Society - International Spine and Spinal Injuries Conference (ISSICON 2024), 25-27 October 2024, Delhi
7. Rehabilitation Transcranial magnetic stimulation in spinal cord injury rehabilitation, Armed Forces Physiatry and Sports Injury Conference 2025 (AFPSICON 25), 14-15 January 2025, Delhi
8. Neurogenic Bladder and Bowel Management & Rehabilitation, 53rdAnnual Conference of the Indian Association of Physical Medicine and Rehabilitation (IAPMRCON 2025), 29 January-1 February 2025, Bengaluru

Asem Rangita Chanu

1. Virtual Reality for Pain Management: Current Status, Delhi PMRCon 2024, 1 December 2024, Delhi
2. Chaired the IPARM Gold Medal Award Session, Delhi PMRCon 2024, 1 December 2024, Delhi
3. AI and VR on Pain Management, Armed Forces Physiatry and Sports Injury Conference 2025 (AFPSICON 25), 14-15 January 2025, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
13	24	38

List of oral papers/posters presented: 12

1. Assessment of central fatigue in postpolio syndrome using bereitschafts potential–Poster presented during 4th Annual Institute Research Day and Received **appreciation Award** on 30 January 2025.
2. Chabungbam M, Chanu AR, Venkataraman S, Khangembam BC, A cross-sectional study to assess neurogenic bowel dysfunction, quality of life and activity & participation in spinal cord injury- an interim study analysis, 53rd Annual Conference of the Indian Association of Physical Medicine and Rehabilitation (IAPMRCON 2025), 29 January-1 February 2025, Bengaluru
3. Investigating Wheelchair Usage Patterns: A Cross-Sectional Study of User Experience at a Tertiary Hospital, using the rATA Questionnaire **Poster** presented during presented during Assistive Technology Conference EMPOWER 2024 on 17-19 October 2024 at Trivandrum
4. Investigating Wheelchair Usage Patterns: A Cross-Sectional Study of User experience at tertiary hospital–Received **Commendation Award** during 4th Annual Research Day at AIIMS, New Delhi
5. Jadon RS, Venkataraman S, Impact of resistance exercises on muscle strength, mass and BMD in osteosarcopaenic obese individuals, Obesity Week, The Obesity Society, 3-6 November 2024, San Antonio, US
6. Kuldeep SK, Chanu AR, Wadhwa S, Venkataraman S, Khangembam BC, Khan MA, A cross-sectional study to assess the severity of neurogenic bowel dysfunction, quality of life and whole bowel transit in spinal cord injury, 19th Annual Conference of Indraprastha Association of Rehabilitation Medicine, 30 November-1 December 2024, Delhi
7. Kuldeep SK, Chanu AR, Wadhwa S, Venkataraman S, Khangembam BC, Khan MA, Assessment of severity of neurogenic bowel dysfunction, whole bowel transit with solid meal and quality of life in spinal cord injury, 53rd Annual Conference of the Indian Association of Physical Medicine and Rehabilitation (IAPMRCON 2025), 29 January-1 February 2025, Bengaluru
8. Kumar A, Kumar U, Yadav R, Venkataraman S, Singh A, Khan MA, Bhatia R, Attempting symptomatic alleviation by sensorimotor improvement through medical yoga therapy in fibromyalgia, 26th Asia-Pacific League of Rheumatologists Conference, 21-25 August 2024, Suntec, Singapore
9. Kumar A, Singh A, Yadav RK, Kumar U, Venkataraman S, Khan MA, Deepak KK, Dada R, Bhatia R, Neuromodulation by medical yoga therapy: harnessing pain relief and corticomotor excitability, 16th World Congress of the Neuromodulation Society, 11-16 May 2024, Vancouver, Canada

10. Praveenkumar M, Chabungbam M, Venkataraman S, Paediatric hemineglect: Early diagnosis and rehabilitation in a toddler with post-ischemic brain injury" a case report, 53rd Annual Conference of the Indian Association of Physical Medicine and Rehabilitation (IAPMRCON 2025), 29 January-1 February 2025, Bengaluru
11. Salwan S, Chanu AR, Wadhwa S, Venkataraman S, Tandon N, Assessment of lipid profile, body adiposity, bone mineral density and functional status in spinal cord injury patients, 53rd Annual Conference of the Indian Association of Physical Medicine and Rehabilitation (IAPMRCON 2025), 29 January-1 February 2025, Bengaluru
12. User's Perception about Ankle and foot Orthosis using QUEST Scale: A Cross- sectional Study in India–**Poster** presented during presented during EMPOWER 2024 at Trivandrum

ORAL PAPERS/POSTERS PRESENTED OVER LAST 3 YEARS

2022–2023	2023–2024	2024–2025
6	8	12

RESEARCH

Funded

Ongoing

1. Inspire Faculty Fellow Project on "Real Time Implementation of Force, Dr Gita Handa Thukral, DST, 5 years, 2020-2025, Rs 110 Lakhs
2. Myography: Development of Intelligent Prosthetic Leg", Dr Gita Handa Thukral, DST, 5 years, 2020-2025, Rs 110 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A cross-sectional study to assess lipid profile, body adiposity, bone mineral density, functional status and activity & participation in spinal cord injury
2. A cross-sectional study to assess sexual dysfunction and quality of life in males with traumatic spinal cord injury
3. A cross-sectional study to assess the severity of neurogenic bowel dysfunction, quality of life, functional status, and whole bowel transit in spinal cord injury
4. A study to compare efficacy of high vs low frequency rTMS on dorsolateral prefrontal cortex in neuropathic pain management among patients with spinal cord injury: a randomized control trial
5. Clinico-radiological features and disability in Hirayama disease – an observational study
6. Comparative effectiveness of acceptance and commitment therapy with exercise therapy versus only exercise therapy in chronic low back pain patients with central sensitization: a randomized control trial
7. Comparative study between growth factor concentrate, platelet rich plasma and placebo on the pain and function in patients with chronic plantarfasciitis in a tertiary care centre: a triple blinded randomized control trial
8. Efficacy of platelet-rich plasma and platelet-rich fibrin in diabetic foot ulcer – a randomized, parallel group active comparator trial
9. Mapping patient goals to the international classification of functioning, disability and health (ICF): Examining the validity of low back pain core sets using Rolland Morris disability questionnaire and Oswestry disability index
10. PROLIFerATE Trial: a pilot, double-blind, prospective, randomized, controlled trial to study the efficacy of autologous platelet-rich fibrin for pressure injury healing in persons with spinal cord injury

Completed

1. Comparison between intraarticular platelet rich plasma and adalimumab in improvement of pain, quality of life and activities of daily living in patients with primary osteoarthritis knee: A randomized controlled trial
2. The effect of a structured home-based exercise program on the functional outcome in patients with knee osteoarthritis and its predictors for successful outcome

Collaborative projects

Ongoing

1. A cross-sectional study to assess the whole gut transit with a solid meal, the severity of neurogenic bowel dysfunction, function, quality of life and activity and participation in spinal cord injury patients, Department of Nuclear Medicine, AIIMS, New Delhi
2. A randomized placebo-controlled trial to assess efficacy of Vitamin-D supplementation in non-cystic fibrosis bronchiectasis patients, Department of Medicine, AIIMS, New Delhi
3. Assessing Cap-sense based prosthetics for the quality of life in upper limb amputees, Centre for Sensors, Instrumentation, and Cyber-physical systems Engineering, IIT Delhi
4. Centre of advanced research and innovations in assistive and rehabilitative technologies for the elderly and disabled individuals, CSIR-CEERI, Pilani
5. Centre of advanced research and innovations in assistive and rehabilitative technologies for the elderly and disabled individuals, CSIR-CEERI, Pilani
6. Effect of long-term forward head posture on sub-occipital vertebral angle in young adults: a retrospective study, Department of Anatomy, AIIMS, New Delhi
7. Effect of long-term forward head posture on sub-occipital vertebral angle in young adults: a retrospective study, Department of Anatomy, AIIMS, New Delhi
8. Effect of yogic intervention on pain and autonomic profile in fibromyalgia patients, Department of Physiology, AIIMS, New Delhi
9. Effect of yogic intervention on pain and autonomic profile in fibromyalgia patients, Department of Physiology, AIIMS, New Delhi
10. Randomized controlled trial to study the impact of weight bearing and resistance exercise with nutritional interventions on bone and muscle health in obese patients with osteosarcopaenia, Department of Medicine, AIIMS, New Delhi
11. Randomized controlled trial to study the impact of weight bearing and resistance exercise with nutritional interventions on bone and muscle health in obese patients with osteosarcopaenia, Department of Medicine, AIIMS, New Delhi
12. The effect of a structured home-based exercise program on the pain and ultrasonographic skeletal muscle parameters in patients with knee osteoarthritis, Department of Radiodiagnosis and Interventional Radiology and Department of Nuclear Medicine, AIIMS, New Delhi
13. The effect of a structured home-based exercise program on the pain and ultrasonographic skeletal muscle parameters in patients with knee osteoarthritis, Department of Radiodiagnosis and Interventional Radiology and Department of Nuclear Medicine, AIIMS, New Delhi
14. Vision based motion intent detection for bionic control, Department of Electrical Engineering, IIT Delhi

Completed

1. Effect of yogic intervention on pain status and cortical excitability in fibromyalgia patients, Department of Physiology, AIIMS, New Delhi
2. Recover study: A cross-sectional observational study to identify rehabilitation need in post-discharge CoViD-19 survivors, Department of Critical and Intensive Care and Department of Anaesthesiology, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	2	2
Total funding	Rs 23 Lakhs	Rs 112.61 Lakhs	Rs 112.61 Lakhs

PUBLICATIONS

1. Journal Articles

1. Dhukia S, Chanu AR, Sagar S, Jaleel J, Gupta P, Khan D, et al. Normative Data of Liquid Gastric Emptying and Small-bowel Transit: A Prospective Cross-sectional Study. *Indian J Nucl Med.* 2024; 39:98-105.

2. Mufti A, Gulati S, Kochhar KP, Alam I, Wadhwa S, Sikka K, *et al*. Novel Therapeutic Strategies of Non-invasive Brain Stimulation and Nanomedicine in Pediatric Cerebral Palsy Patients. *Neurol India*. 2024; 72:248-57.
3. Rajan AP, Chanu AR, Venkataraman S, Singh U. Prosthesis Usage and Functional Status in Upper Limb Amputees: A Prospective Cross-Sectional Study. *Cureus*. 2024; 16:e65677.
4. Attuparambath S, Venkataraman S, Chanu AR, Handa G, Bagri N. A Cross-Sectional Study Assessing the Functional Status in Children with Juvenile Idiopathic Arthritis and Its Correlation with Their Quality of Life and Burden on Caregivers. *Cureus*. 2024; 16:e66178.
5. Patel D, Banerjee R, Farooque K, Gupta D, Garg B, Kumar N, et al. Restoring initial steps by intermittent theta burst stimulation in complete spinal cord injury patient: a case report. *Spinal Cord Ser Cases*. 2024; 10:56.
6. Dhillon SK, Venkataraman S, Chanu AR, Handa G, Wadhwa S. A cross-sectional study to assess dual-task interference in postural control in people with lower limb amputation. *Gait Posture*. 2024; 113:204-8.
7. Roy SS, Chabungbam M, Venkataraman S. Neurogenic bowel management in traumatic spinal cord injury – A narrative review. *Indian J Phy Med Rehab*. 2024; 34:14-20.
8. Kashyap V, Venkataraman S, Kumar B, Handa G, Pandey RM. A Randomized Controlled Trial to Compare the Effectiveness of Smart Dynamic Fabric Actuator with Exercises in Chronic Musculoskeletal Leg Pain Associated with Prolonged Standing in a Hospital Setting. *Indian J Occup Environ Med*. 2024; 28:319-25.
9. Kamatham AT, Sharma K, Venkataraman S, Mukherjee B. Sparse Wearable Sonomyography Sensor-Based Proprioceptive Proportional Control Across Multiple Gestures. *IEEE Sens J*. 2024; 24:19882-90.
10. Menezes CM, Tucci C, Tamai K, Chhabra HS, Alhelal FH, Bussières AE, ...Wadhwa S, et al. Systematic Review SPINE20 Recommendations 2024 –Spinal Disability: Social Inclusion as a Key to Prevention and Management. *Global Spine J*. 2025; 15:8–20.
11. Raj V, Mittal K, Shenbagam M, Perunthattil J, Venkataraman S, Mukherjee B. Towards Markerless, Noncontact Optical Myography for Prosthetic Control of Multiple Degrees of Freedom. *IEEE Sens J*. 2025; 25:7154-62.

2. Abstracts published in journals.

Kumar A, Singh A, Yadav R, Kumar U, Venkataraman S, Khan M, et al. Neuromodulation by medical yoga therapy: harnessing pain relief and corticomotor excitability. *Neuromodulation*. 2025; 28:S168.

3. Chapters in books

1. Sanjay Wadhwa, Soft Tissue Rheumatic Problems: Dr OP Sharma (ed). Principles & Practice of Geriatric Medicine 2025:, First edition, Modern Graphics (P) Ltd, Jan 2025: 331-342
2. Sanjay Wadhwa, Mobility Aids: Dr OP Sharma (ed). Principles & Practice of Geriatric Medicine 2025: First edition, Modern Graphics (P) Ltd, Jan 2025:633-654

Publications

Journals: 11 Abstracts: 01 Chapters in Books: 02

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**16**	**18**	**14**
Journal articles	15	11	11
Abstracts	0	0	1
Chapters in books	01	7	2
Books	0	0	0

PATIENT CARE
OPD Data

Item	2022–2023	2023–2024	2024–2025
OPD consultations (New Patients)	21,056	15,043	15,036
OPD consultations (Old Patients)	12,374	26,929	30,517

PMR Inpatients Data

Item	2022–2023	2023–2024	2024–2025
Total inpatient admissions		22	27

Data from Therapy related Sections

Electrotherapy		5,401	5,053
Exercise Physiotherapy Section		13,253	14,678
Occupational therapy Section		7,752	5,799

OPD based Interventions related Data

Minor OT Procedures	1,123	2,368	2,681
PMR related Interventions for Pain management		Platelet Rich Plasma (PRP) – 203 Intra-articular Injections – 483	PRP – 212 Intra-articular Injections – 446
Dressings of Pressure Sores/ Wounds	671	886	1,102
Catheterizations and CIC demo/Bladder training	741	902	971
Plaster Applications	168	192	279

Data related to Special Interventions/Services related to PwDs/Candidates with Disabilities

Special clinic consultations (Disability Certification – UDID Cards generated)	15	291	446
Railway Concession Certificates Issued		98	101
Civil Services Exams (CSE) related Medical Boards conducted on the request of DoPT, GOI involving CSE 2023 and CSE 2024 candidates			18

Prosthetic and Orthotic Workshop

Patients provided rehabilitation services	2022-2023	2023-2024	2024-2025
Prosthetic & Orthotic Total Delivered Jobs	6,540	7,536	6,627
Prosthetic & Orthotic New Cases	3,859	4,495	4,017
Old cases/ No. of Visits	9,168	10,772	9,256

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Sanjay Wadhwa received an Outstanding Contributions to NAMS Award on the NAMS Foundation Day, 21 April 2024. Ernest Bors Award for Scientific Development for 2025 from the Academy of Spinal Cord Injury Professionals for the published paper Sahu S, Venkataraman S, Chanu AR, Singh U. Transcutaneous neuromodulation versus oxybutynin for neurogenic detrusor overactivity in persons with spinal cord injury: a randomized, investigator blinded, parallel group, non-inferiority controlled trial. J Spinal Cord Med. 2024(48):1–8. Best Poster Award, Wakankar R, Chandra BK, Chanu AR, Kavin M, Das CJ, Patel C, Kumar R Machine learning can predict M1 disease in treatment-naïve prostate cancer patients undergoing 68Ga-PSMA-11 PET/CT International Conference on Hybrid Imaging (IPET 2024) 8 Oct 2024 Vienna, Austria. Rehabilitation Research Award 2024 by Indraprastha Association of Rehabilitation Medicine for the paper - Swarnakar R, Wadhwa S, Venkataraman S, Goyal V, Vishnubhatla S. Efficacy of exercises in early-stage Parkinson's disease (PARK-EASE trial): single-blind, randomised, controlled trial. BMJ Neurol Open. 2023 Nov 14;5(2):e000499. Highlight Abstract, Chandra BK, Kavin M, Chanu AR, Wakankar R, Das CJ, Patel C, Kumar R Optimizing metastatic workup in treatment-naïve prostate cancer patients: a machine learning-driven nomogram to reduce superfluous 68Ga-PSMA-11 PET/CT International Conference on Hybrid Imaging (IPET 2024) 7 Oct 2024 Vienna, Austria. He was involved in a few significant activities such as by the Department of Empowerment of Persons with Disabilities, GOI, to impart National-level training to Medical Officers on the Revised Guidelines for Assessment of Persons with Locomotor Disabilities, 2024. He was felicitated by Prof Atul Goel, the DGHS, GOI for his significant contributions in Disability Assessment Guidelines and Training. He is serving as the Chairman of the Sectional Committee MHD-09 under the Bureau of Indian Standards. He is the 'Liaison Officer regarding Persons with Benchmark Disabilities'. He participated as a Subject Expert on 20 June 2024 during the Total Health Program, DD News on 'Yoga for Preventive Health' to mark the International Yoga Day. He participated during the Total Health Program, on DD News on 26 November 2024 on 'Divyangjan: Health and Empowerment'. He is a Member of the Committee at NMC regarding review of the 2019 Guidelines for assessment of candidates with disabilities seeking admissions in MBBS. He served as a Member of the Group to discuss the "Health and Nutritional" aspects of senior citizens' care on Tuesday 11 March 2025 at NITI Aayog. He served as a Member of the Sub-Committee constituted under the Chairmanship of Prof VK Agarwal for Amendment and Simplification of the Rehabilitation Council of India (RCI) Act. He has served as a Member of a High-Power Committee constituted under the Chairmanship of the Secretary, DEPwD, GOI. He was felicitated by Dr Vinod Paul Sir, Member NITI Aayog on 22.01.2025 for his contributions to Geriatric Medicine. Elected as a Member to the Education Committee under the SPINE20 Global Advocacy for Spine Care. Elected as a Member of the Executive Committee of Spinal Cord Society (SCS), India. He facilitated the signing of Memorandum Of Agreement (MOA) between AIIMS Delhi and ALIMCO for establishment of a *Pradhan Mantri Divyasha Kendra* at AIIMS.

Professor Gita Handa Thukral involved as a co-author in the study "Investigating Wheelchair Usage Patterns: A Cross-Sectional Study of User experience at tertiary hospital" and this work received Commendation Award during 4th Annual Research Day on 30 January 2025 at AIIMS, New Delhi. She was also involved as a co-author in the Poster Presentation on "Assessment of central fatigue in postpolio syndrome using bereitschafts potential" and this work received Appreciation Award during the 4th Annual Institute Research Day on 30 January 2025.

Professor Srikumar V served as Section Editor, Indian Journal of Physical Medicine and Rehabilitation; Reviewer, The Journal of the International Society of Physical and Rehabilitation Medicine; Reviewer, The Scientific Journal of Medical Scholar; Member, Technical Committee, Wearable Electronic Devices and Technologies (LTD-33), Bureau of Indian Standards, Ministry of Consumer Affairs, GOI; Member, Comprehensive Clinical Practice Guideline for Weight Management in Young Adults, AIIMS-ICMR Initiative

He also served as Chairperson, Judge, Member during a few Conferences; Member, Executive Committee 2023-25, Indraprastha Association of Rehabilitation Medicine.

Dr Kuldeep Kumar Swarnkar, JR (PMR) received Certificate of Appreciation Award in the Junior Resident Category during the 4th Annual Research Day 2025 on 30 January 2025 for the Poster, "Neurogenic Bowel Dysfunction, Whole Bowel Transit and Quality of Life in Spinal Cord Injury".

9.33 Physiology

Professors and Head

Kanwal Preet Kochhar (superannuated on 31 January 2025)

Ratna Sharma (from 1 February 2025)

Professors

Nalin Mehta, Suman Jain, Ashok Kumar Jaryal, Raj Kumar Yadav, Anjana Talwar, Asmita Patil, Renu Bhatia, Simran Kaur

Additional Professor

Dinu Santha Chandran, Nasreen Akhtar, Prashant Tulshidas Tayade, Akanksha Singh, Ritesh Kumar Netam, Geetanjali Gokarn Bade

Associate Professor

Suriya Prakash Muthukrishnan

Assistant Professor

Suman Das

HIGHLIGHTS

The department of Physiology has been highly active in research and academics. Several symposia/ workshops were organized by faculty at various institutes of India and within AIIMS New Delhi. During these meetings our faculty and postgraduates shared their expertise and demonstrated advanced techniques with the Physiologists and other scientists from India and abroad. Faculty members, doctoral and postdoctoral students received extramural research projects related to specialized areas of Physiology or multidisciplinary projects in collaboration with other institutes nationally/ internationally or departments within AIIMS. Several awards and honors have been received by faculty members and the postgraduate students of the department in appreciation of their innovative contributions in research and medical education.

In addition, the Department of Physiology continued to be actively involved in undergraduate, postgraduate teaching and doctoral research programs. Encouraged by research projects of the department several first year MBBS students applied for ICMT STS program. The department also offered summer training to first year MBBS students.

The Department has started structured posting of senior resident for providing routine clinical physiology services from October 2024. The clinical physiology services are being provided for Autonomic and Vascular Functions, Integrated Health Clinical, Intraoperative Neurophysiology, Transcranial Magnetic Stimulation. Additional facilities for clinical physiology services for Esophageal pressure manometry, Nerve conduction velocity and Cognitive Function test are being developed.

EDUCATION

1. **Undergraduate teaching**: Lecture 200 hours & practical 240 hours, total number of MBBS students: 132
2. **Postgraduate teaching**: Total Number of PG students: 64

CMEs/Workshops/Symposia/National and International Conferences

1. Techniques in Physiological Sciences - 2024 at AIIMS New Delhi from 2-4 April 2024 New Delhi
2. 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India 24 October 2024 at AIIMS Patna
3. 70th Annual National Conference of Association of Physiologists and Pharmacologists of India 2024 from 10 December 2024 at ESIC Medical College & Hospital, Chennai

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 59	**Ratna Sharma: 2**	**Suman Jain: 8**
Ashok Kumar Jaryal: 6	**Raj Kumar Yadav: 8**	**Anjana Talwar: 5**
Asmita Patil: 5	**Renu Bhatia: 4**	**Simran Kaur: 1**
Dinu S Chandran: 5	**Nasreen Akhtar: 6**	**Prashant Tayade: 1**
Geetanjali Gokarn Bade: 2	**Suriya Prakash Muthukrishnan: 2**	**Suman Das: 4**

Ratna Sharma

1. Keynote Lecture – Electro imaging in health and disease, 2nd EEG microstate conference, 9-12 July 2024, Geneva, Switzerland
2. Clinical Neurophysiological testing, Hands-on workshop on training in clinical physiology for senior and junior residents, 17-18 October 2024, VMMC, New Delhi

Suman Jain

1. Unravelling Cortical Motor Neuronal Plasticity Profile in Cerebral Palsy by Transcranial Magnetic Stimulation, 4th IBRO Neuroscience School on "Psychophysiology of neurological disorders: Genomics and non-genomics perception", 26 April 2024, Nepal (online)
2. Modulation of biphasic pattern of cortical reorganization by low intensity electromagnetic exposure in spinal cord transected rats, 21st Spinal Research Network Meeting, 12-13 September 2024, Surrey, United Kingdom
3. Neurophysiological Underpinnings of TMS and Neuroplasticity, CME on Neuromodulation and Hands-on Workshop, 24-26 October 2024, New Delhi
4. Modulation of cortical excitability, plasticity and gut motility in hemiparetic cerebral palsy patients: Role of Probiotics, XLII Annual meeting of Indian Academy of Neurosciences and International Conference on Advances In Mechanisms and Approaches to Neuro-Therapeutics (AIM-AT), 12-14 November 2024, Bengaluru
5. Modulation of cortical motor maps and excitatory-inhibitory circuitry by low frequency rTMS in hemiparetic cerebral palsy, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 12-14 December 2024, Chennai
6. Neurophysiological Underpinnings of TMS and Neuroplasticity, CME on Neuromodulation and Hands-on Workshop, 19-21 December 2024, New Delhi
7. Newer Insights into Non-invasive Neuromodulatory Techniques: Applications and opportunities for Paramedical Professionals, National Seminar on 'Recent Advances in Paramedical Sciences', 3-4 February 2025, New Delhi
8. Gut Brain Cross Talk in Neurodevelopmental Disorders: Role of Probiotics, Seminar on "Gut-brain axis", 20 March 2025, New Delhi

Ashok Kumar Jaryal

1. Guiding the Path: Innovative IONM Approaches for Complex Brainstem and Spinal Cord Tumors, 1st Intraoperative Neuromonitoring course in Neurosurgical Oncology, 30 August 2024, Mumbai
2. Clinical Physiology: An ecosystem for Translational Research, 10th Annual International Conference of Association of Physiologists of India (ASSOPICON 2025) and 10th Congress of Federation of Indian Physiological Societies (FIPS), 26 October 2024, Patna
3. Challenges faced in Incorporating IONM as module among Physiologists, 2nd Annual Conference of Society of Intraoperative Neurophysiologists, 8 November 2024, Chandigarh
4. Neuromonitoring in Brani and Spine Tumour Surgery, 2nd Neuro and Spine Onco Update, 16 November 2024, New Delhi
5. Autonomic Function Test: Past, Present and Future, Autonomic Function Tests: Basics to Clinical Applications, 22 November 2024, Rajkot
6. Adaptation/Acclimatization to Marine Environment, Collaborative CME of AIIMS and AFMS: High Altitude, Aerospace (Aviation) and Marine Environment, 24 November 2024, New Delhi

Raj Kumar Yadav

1. Metabolic syndrome & its management, CEP on 'Fuelling Soldier Performance: A Holistic Approach', 25 April 2024, New Delhi
2. Role of Yoga in management of Obesity, National Webinar, 'Yoga for self and society', 21 June 2024, Patna
3. Mind, Medicine & Metabolism: Lifestyle interventions. A rainbow for patients with diabetes, CME, Recent updates in Physiology. Centenary celebrations (1924 -2024) Mysore Medical College & Research Institute, 3 August 2024 Mysore
4. Yoga-based interventions and neuromodulation, 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India, 24 October 2024, Patna
5. Therapeutic utility of Yoga-based interventions in Metabolic syndrome, 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India, 24 October 2024, Patna
6. Strategic Interventions in Physiology, CME, Integration of Yoga and Meditation in healthcare and disease: Prevention and health promotion, 4 December 2024, Lucknow
7. Cortisol belly, stress and yoga-based lifestyle intervention, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 13 December 2024, Chennai
8. Evolution in Psycho-neuro-Physiology, ASSOPICONUP chapter (Under the aegis of ASSOPI), 28-29 March 2025, Agra

Anjana Talwar

1. Cardio-Pulmonary Exercise Test: Principles of exercising testing and interpretation, Techniques in Physiological Sciences - 2024, 2-4 April 2024, New Delhi
2. Pulmonary function testing by spirometry, Techniques in Physiological Sciences - 2024, 2- 4 April 2024, New Delhi
3. Assessment of respiratory functions. Noninvasive techniques to assess airway physiology, CME, All India Institute of Ayurveda, New Delhi, 13 November 2024, New Delhi
4. Exercise capacity by cardio-pulmonary exercise testing in healthy individuals and patients with pulmonary and non-pulmonary diseases, CME, All India Institute of Ayurveda, New Delhi, 13 November 2024, New Delhi
5. Spirometry, Impulse oscillometry and its interpretation, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 10-14 December 2024, Chennai

Asmita Patil

1. Physical exercise in pregnant women with hyperglycemia, Medical disorders in pregnancy Committee FOGSI, 1 April 2024, Online
2. Whole Genome Expression Microarray, Techniques in Physiological Sciences-2024, 2-4 April 2024, New Delhi
3. Pollution and health: tomorrow's children, International Conference on Reproductive Biomedicine: Integrating Basic Biological and Applied Research into Clinical Practice for Human Welfare", 14-16 February 2025, Jaipur
4. Inaugural talk on Women's Health, International Conference on Sustainable Energy and Environment (ICSEE) 2025: Greening Minds for a Green future.", 8-10 March 2025, Goa
5. Studying effects of Pollution on health: An AIIMS-IIT Delhi collaboration, International Conference on Sustainable Energy and Environment (ICSEE) 2025: Greening Minds for a Green future." 8-10 March 2025, Goa

Renu Bhatia

1. Pathophysiology of Pain, AIIMS-NAMS Joint CME on Cancer Pain: Holistic Management, 28 April 2024, New Delhi
2. Neuromodulatory role of yoga in Fibromyalgia Pain, 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India, 23 October 2024, Patna
3. Therapeutic utility of Transcranial Magnetic Stimulation: SWOT analysis, 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India, 24 October 2024, Patna

4. Repetitive transcranial magnetic stimulation for chronic refractory pain: A promising potential therapeutic modality, 32nd International conference of Indian association of palliative care IAPCON 2025, 2 February 2025, Jammu

Simran Kaur

1. Plenary Lecture: Altered resting EEG microstate as a potential state marker in children with ADHD compared to neurotypical controls, 2nd EEG microstate conference, 9-12 July 2024, Geneva, Switzerland

Dinu S Chandran

1. Assessment of autonomic reactivity and short-term heart rate variability, Techniques in Physiological Sciences – 2024, 2-4 April 2024, New Delhi
2. Non-invasive assessment of vascular functions in humans, Techniques in Physiological Sciences – 2024, 2-4 April 2024, New Delhi
3. Clinical Autonomic Function testing, Hands-on workshop on training in Clinical Physiology organized by the Department of Physiology, Vardhman Mahavir Medical College & Safdarjung Hospital, 17 October 2024, New Delhi
4. Introduction to Biomedical Research, INSIGHT- organised by the Student's Scientific Society, AIIMS, New Delhi, 16 November 2024, New Delhi
5. Autonomic Nervous System: Critical Overview and the need for its evaluation, Autonomic Function Testing for Beginners – Stepping from Signals to Insights, organized by the Department of Physiology, GITAM Institute of Medical Sciences and Research Centre, 8 February 2025, Visakhapatnam, Online

Nasreen Akhtar

1. Circadian rhythm sleep wake disorders, National Sleep Medicine Course 2024, 14 September 2024, Goa
2. Educational objectives, taxonomy and domains, Workshop on curriculum design and framing educational objectives, 5 October 2024, New Delhi
3. Memory Encoding and Sleep in Older Adults: A Neurocognitive perspective, XLII Annual Conference of Indian Academy of Neurosciences, NIMHANS, 12 November 2024, Bangalore
4. Chronobiological Interactions Between Sleep Microstructure and Episodic Memory Encoding: Implications for Age-Associated Cognitive Decline, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 12 December 2024, Chennai
5. Circadian rhythm sleep wake disorders, Sleep Technology Workshop 2024, All India Institute of Ayurveda, 2 September 2025, New Delhi
6. Interviewing a sleep patient, Sleep Technology Workshop 2024, All India Institute of Ayurveda, 3 September 2025, New Delhi

Prashant Tayade

1. Introduction to QEEG, Techniques in Physiological Sciences – 2024, 2-4 April 2024, New Delhi

Geetanjali Gokarn Bade

1. Cardio-Pulmonary Exercise Test: Principles of exercising testing and interpretation, Techniques in Physiological Sciences – 2024**,** 2-4 April 2024, New Delhi
2. Pulmonary function testing by spirometry, Techniques in Physiological Sciences – 2024**,** 2-4 April 2024, New Delhi

Suriya Prakash Muthukrishnan

1. Neurophysiological mechanisms underlying movement intention and kinematics, International Workshop on Emerging Technologies and Challenges for Exoskeleton, 16-17 April 2024, Bengaluru
2. Research synergies from the young investigator's perspective, 15th Asian & Oceanian Epilepsy Congress, 20-23 February 2025, New Delhi

Suman Das

1. Quantitative EEG and brain mapping in biomedical research, CME on Neurometrics: Quantitative EEG and brain mapping, 18 May 2024, Gorakhpur
2. Creating assignment, quiz and extract analytics, Effective Use of SARAL, 14 August 2024, Delhi
3. Healthcare innovation: Founder's perspective, Innovation sensitization workshop, 23 November 2024, Bilaspur
4. Communication in the AI era Brainwaves & Bytes: Surfing the EEG Data Wave with Big Data Magic, WS on Drishti se Vivek tak: Reimagining Health, 9 December 2024, New Delhi

TOTAL NUMBER OF LECTURES DELIVERED OVER LAST 3 YEARS

2022–2023	2023–2024	2024-2025
121	**74**	**59**

List of oral papers/posters presented: 57

1. Akhtar N, Garfield V, Singh A, Soni R, Chakrawarty A, Tripathi M, et al, Good quality sleep is associated with the initial encoding and long-term consolidation of memory in older adults, Sleep Down under 2024, 16 October 2024, Gold Coast, Australia
2. Anand VK, Rana D, Sunil, Handa G, Jain S, Kumar N, et al, Assessment of central fatigue in postpolio syndrome using movement related cortical potential (Bereitschafts potential), 53rd Annual Conference of Indian Association of Physical Medicine and Rehabilitation (IAPMRCON 2025), 30 January 2025, Bengaluru
3. Anand VK, Rana D, Sunil, Handa G, Jain S, Kumar N, et al, Assessment of the central fatigue in postpolio syndrome by movement related cortical potential, 13th Annual conference of Indian Federation of Neurorehabilitation (IFNRCON 2025), 27 March 2025, Ludhiana
4. Banerjee R, Patel D, Farooque K, Jain S, Kumar N, Seth A, et al, Neurogenic bladder management through Cortical intermittent theta burst after traumatic incomplete spinal cord injury, 4th AIIMS Annual Research Day, 28-30 January 2025, New Delhi
5. Chandran DS, Aman, Das S, Jaryal AK, Kochhar KP, Pressure dependence of aortic pulse wave velocity determined using a hydrostatic pressure gradient model in young and older human adults, Annual Conference of the Association for Research into Arterial Structure & Physiology Conference, 9-11 October 2024**,** Cardiff, Wales, UK
6. Chauhan D, Muthukrishnan SP, Kaur S, Tayade P, Sharma R, Relationship between Personality traits and attentional lapses in Young Adults, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 13 December 2024, Chennai
7. Chittora R, Radhakrishnan DM, Chandran DS, Netam R, Kochhar KP, Jain S, Efficacy of Probiotics on Autonomic and Gastrointestinal Dysfunction in Parkinson's Disease Patients, 4th AIIMS Annual Research Day, 28-30 January 2025, New Delhi
8. Chittora R, Roy A, Pandey S, Kochhar KP, Jain S, Early diagnosis of Alzheimer's disease by Electrocorticogram and ameliorative effects of low intensity magnetic field stimulation in Streptozotocin rat model, National Seminar on Recent advances in Paramedical Sciences. Jamia Milia Islamia University, 3-4 February 2025, New Delhi
9. Das S, Mathur D, Singh MB, Agarwal S, Unsupervised classification of pre-ictal phase of seizure (PIPS) from EEG recordings, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 12 December 2024, Chennai
10. Dastidar SG, Leon C, Kaur S, Balhara YPS, Muthukrishnan SP, Tayade P, et al, EEG microstate stamp of working memory deficits in alcohol and opioid use disorders, The XLII Annual Meeting of the Indian Academy of Neurosciences (IAN), November 2024, Bengaluru
11. Dwivedi A, Sharma R, Sharan P, Tripathi M, Yadav KR, Bhatia R, et al, Quantitative Sensory Testing in patients of chronic insomnia, 4th AIIMS Annual Research Day, 30 January 2025, New Delhi
12. Dwivedi A, Sharma R, Sharan P, Tripathi M, Yadav KR, Bhatia R, et al, Somatosensory information processing in patients of chronic insomnia, 11th Congress of Asian Sleep Research Society and 8th Asian Forum on Chronobiology, 8 February 2025, New Delhi

13. Ghosh D, Lalwani S, Yadav RK, Singh A, Bhatia R, Kochhar KP, Modulatory Effect of Yoga-Based Lifestyle Intervention on Cognition and Neuroplasticity in Obesity: A Preliminary Study, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 12-14 December 2024, Chennai
14. Ghosh D, Lalwani S, Yadav RK Singh A, Bhatia R, Kochhar KP, Effectiveness of Yoga-Based Lifestyle Intervention (YBLI) to Modify Sleep Quality, Melatonin, Body Composition; Corticomotor Excitability in Obesity: A preliminary study, 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India, 24-26 October 2024, New Delhi
15. Junaid A, Bade G, Talwar A, Mohan A, Srivastava R, Mittal S, Quantification and Profiling of Circulating Monocytes in Patients with Post-COVID-19 Pulmonary Fibrosis, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 10-14 December 2024, Chennai
16. Kar S, Kumar U, Yadav RK, Singh A, Das S, Bhatia R, Effect of Low-frequency Repetitive Transcranial Magnetic Stimulation on Pain and Cortical excitability in Rheumatoid Arthritis, 6th International Brain Stimulation Conference, 25 February 2025, Kobe, Japan
17. Kaur B, Saini G, Chauhan D, Muthukrishnan SP, Tayade P, Kaur S, et al, Performance and reaction time variability during working memory task in high vs low performers, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 14 December 2024, Chennai
18. Kumar A, Kumar U, Yadav R, Venkataraman S, Singh A, Khan MA, et al, Attempting symptomatic alleviation by sensorimotor improvement through medical yoga therapy in fibromyalgia, 26th Asia-Pacific League of Rheumatologists (APLAR) Conference, 22 August 2024, Suntec, Singapore
19. Kumar A, Kumar U, Yadav R, Venkataraman S, Singh A, Khan MA, et al, Exploring effect of yoga and standard therapy on corticomotor functions and pain relief in fibromyalgia patients: A Randomized Controlled Trial. Modern Rheumatology, 69th Annual General Assembly and Scientific Meeting of the Japan College of Rheumatology, 26 April 2024, Fukuoka, Japan
20. Kumar A, Kumar U, Yadav RK, Singh A, Khan MA, Venkataraman S, et al, Psycho-social competencies in Indian adults with obesity: An analytical cross- sectional study, 4th AIIMS Annual Research Day, 29 January 2025, New Delhi
21. Kumar A, Kumar U, Yadav RK, Singh A, Khan MA, Venkataraman S, et al, Exploring Sesnsorimotor Dysfunction in Fibromyalgia: Effect of Medical Yoga Therapy on Pain Sensitivity, Flexibility and Cortical Excitability, 4th AIIMS Annual Research Day, 29 January 2025, New Delhi
22. Kumar A, Singh A, Yadav R, Venkataraman S, Kumar U, Deepak KK, et al, Neuromodulation by medical yoga therapy: Harnessing pain and corticomotor excitability, 16th World Congress of The International neuromodulation Society, 11-16 May 2024, Vancouver, Canada
23. Kumari S, Kumaran S, Jain S, Rana B, Chaudhary S, Rajan R, Magnetic resonance imaging-based study of 6-Hydroxydopamine-induced unilateral Parkinson's rat model, World Molecular Imaging Congress (WMIC), 9-13 September 2024, Canada
24. Mir N, Sagar S, Alam J, Selvi A, Bhatia R, Mir AH, et al, Impact of rTMS versus drug therapy on phantom limb pain in lower limb amputation patients following trauma: A Randomized controlled trial, The National Trauma Conference 2024, 28 November 2024, Colombo, Srilanka
25. Mir N, Sagar S, Kumar A, Alam J, Mir HA, Selvi A, et al, An RCT to study the effect of rTMS in comparison to Drug therapy on Phantom limb pain in lower limb amputees following trauma, 4th AIIMS Annual Research Day, 30 January 2025, New Delhi
26. Mufti A, Jain S, Gulati S, Kochhar KP, Alam I, Wadhwa S, et al, Elucidating the Gut Brain Axis and Its influence on neuroplasticity in pediatric cerebral palsy, 4th AIIMS Annual Research Day, 28-30 January 2025, New Delhi
27. Nahak B, Chandran DS, Akhtar N, Sleep Stage-Specific Influences on Blood Pressure Variability in obstructive sleep apnea: NREM vs. REM, 11th Congress of Asian Sleep Research Society and 8th Asian Forum on Chronobiology, 8 February 2025, New Delhi
28. Naik A, Kapoor G, Anjan M, Debnath A, Akhtar N**,** Correlation between Karolinska Sleepiness Scale and Day-time EEG, 4th AIIMS Annual Research Day**,** 30 January 2025**,** New Delhi
29. Nayyar M, Sharma R, Sood M, Muthukrishnan SP, Tayade P, Kaur S, et al, Novel EEG Microstate Map with Intracranial Generators in Right Superior and Medial Frontal Gyrus Distinguish Patients with Schizophrenia from Controls, American Academy of Neurology Annual Meeting 2024, 13-18 April 2024, Denver, Colorado, USA

30. Nayyar M, Soni S, Sharma R, Sood M, Prakash SP, Kaur S, et al, Quantitative EEG Microstates Predict Correct Responses During Visuo-Spatial Working Memory Task, American Physiology Summit 2024, 4-7 April 2024, California, USA

31. Pal V, Anil A, Talwar A, Bade G, Mittal S, Spirometric indices in obstructive sleep apnea with Metabolic syndrome, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 10-14 December 2024, Chennai

32. Patel D, Banerjee R, Farooque K, Gupta D, Garg B, Kumar N, et al, Intermittent theta burst stimulation revamping mobility in complete Spinal Cord Injury**,** XLII Annual Meeting of the Indian Academy of Neurosciences (IAN), 11-14 November 2024**,** Bengaluru

33. Patel D, Banerjee R, Farooque K, Sharma H, Gupta D, Kumar N, et al, Reviving initial mobility after paralysis: Intermittent Theta Burst Stimulation as a Breakthrough Therapy for Complete Spinal Cord Injury, 4th AIIMS Annual Research Day, 30 January 2025, New Delhi

34. Patel D, Banerjee R, Farooque K, Sharma H, Gupta D, Kumar N, et al, Rewiring Mobility: Intermittent Theta Burst Stimulation Modulating Cortical Excitatory-Inhibitory Imbalance in Complete Spinal Cord Injury, 9th Annual National Conference of The Movement Disorder Society of India, 28 February–2March 2025, Varanasi

35. Revand R, Dontham A, Sarkar S, Patil A, Subacute Exposure to Gaseous Pollutants from Diesel Engine Exhaust Attenuates Capsaicin-Induced Cardio-Pulmonary Reflex Responses Involving Oxidant Stress Mechanisms in Adult Wistar Rats, 10th Congress of the Federation of Indian Physiological Sciences and the Association of Physiologists of India, 21-26 October 2024, Patna

36. Revand R, Vayyat S, Rastogi S, Sharma R, Kaur S, Brain fog after fight: The cognitive struggles of young sarcoma survivors, XLII Annual meeting of Indian Academy of Neurosciences, 12-14 November 2024, Bengaluru

37. Revand R, Vayyat S, Rastogi S, Sharma R, Kaur S, Persistence of neurocognitive deficits in young adult sarcoma survivors after chemotherapy: A tertiary healthcare study from India, Multinational Association of Supportive Care in Cancer MASCC/AFSOS/ISOO 2024, Annual Meeting, 27-29 June 2024, Lillie, France

38. Sahoo A, Tayade P, Muthukrishnan SP, Kaur S, Sharma R, et al, Cortical Sources And Autonomic Nervous System Response Of Listening To North Indian Classical Music, American Physiology Summit 2024, 4-7 April 2024, California, USA

39. Saini G, Dhawan A, Sood M, Kaur S, Tayade P, et al, EEG microstate – a potential objective neural marker of major depressive disorder, The XLII Annual Meeting of the Indian Academy of Neurosciences (IAN), 12-14 November 2024, Bengaluru

40. Sarkar S, Dontham A, Kandpal A, Revand R, Dasgupta D, Ray B, et al, Exposure to filtered diesel exhaust emissions in whole body microenvironment experimental chamber interferes with the intratesticular milieu and spermatogenesis in juvenile Wistar rat model, Innovations in Biotechnology for Sustainability (IBS-2024), 23-25 November 2024, New Delhi

41. Sarkar S, Dontham A, Kandpal A, Revand R, Dasgupta D, Ray B, et al, Filtered diesel exposure in a whole-body exposure chamberimpairs testicular function in male Wistar rats, International Conference on Reproductive Biomedicine: Integrating Basic Biological and Applied Research into Clinical Practice for Human Welfare", 14-16 February 2025, Jaipur

42. Sharma B, Roy A, Banerjee J, Tripathi M, Nag T, Mallick HN, et al, Plastic changes in suprachiasmatic medium spiny neurons due to neuroinflammationinduced stress in abnormal circadian oscillation, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 13 December 2024, Chennai

43. Sharma B, Roy A, Thondala B, Tomar A, Tripathi M, Banerjee J, et al, Acute sleep deprivation exacerbates microglial and astroglia reactivity by increasing the oxidative stress in the hypothalamus of rats, 11th Asian Sleep Research Society Congress, 2025, 8 February 2025, New Delhi

44. Sharma G, Hariprasad G, Kochhar KP, Kumar N, Jain S, Spinal Recovery with combinatorial approach of Theta Burst Stimulation and Iron Oxide Nanoparticles implantation, 4th AIIMS Annual Research Day, 28 January 2025, New Delhi

45. Sharma G, Singh A, Yadav R, Kumar U, Bhatia R, Effect of six weeks of Medical yoga therapy on Pain status and Offset analgesia in Fibromyalgia patients, 2nd International Conference of Indian Society of Sports and Exercise Medicine 2024 (ISSEMCON-2024), 16 November 2024, Varanasi

46. Sharma S, Jain S, Nag TC, Singh S, Radhakrishnan D, Chaudhry R, et al, Probiotics and rTMS synergistically alleviates cognitive and motor functions in 6-OHDA PD rats, Society for Neuroscience conference, 5 to 9 October 2024, USA
47. Sharma S, Jangra S, Chittora R, Jain S, Chaudhry R, Das S, Nag TC, Singh S, Radhakrishnan D, Pandey S, Ahuja V, Kochhar KP, Synergistic Effects Of Probiotics And rTMS On Cognitive And Motor Function In 6-OHDA PD Rats**,** 4th AIIMS Annual Research Day, 28- 30 January 2025, New Delhi
48. Sharma S, Kochhar KP, Chaudhry R, Jain S, Ahuja V, Nag TC, et al**,** Probiotics Modulation of Gut Microbiota for Improved Cognitive and Motor Function in Parkinson's Disease**,** 15th India Probiotic Symposium "Celebrating The Science Of Gut Microbiota And Probiotics", 22-23 February 2025, Chandigarh
49. Singh A, Sharma R, Shankar G, Tripathi M, Akhtar N, Comparative Analysis of Sleep and Brain Structure in Mild Cognitive Impaired and Normal Older Adults, 11th Congress of Asian Sleep Research Society and 8th Asian Forum on Chronobiology, 8 February 2025, New Delhi
50. Singh A, Sharma R, Shankar G, Tripathi M, Akhtar N, Sleep quality and cognitive function in aging population: a cross-sectional study, 4th AIIMS Annual Research Day, 30 January 2025, New Delhi
51. Sudarsan N, Manoj R, Nabeel PM, Chandran DS, Joseph J, A Feasibility Study on the Response of Vascular Impedance to Reactive Hyperemia, 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 15 – 19 July 2024, Orlando, FL, USA
52. Talwar A, Bade G, Srivastava R, Madan K, Saini C, Sampath M, Phenotypic characterization of Natural Killer Cells in Post Tuberculosis Pulmonary Sequelae, Annual Congress of the European Respiratory Society, 8 September 2024, Vienna, Austria
53. Tayade P, Saini M, Muthukrishnan SP, Kaur S, Sharma R, EEG microstates in short-term exposure to "OM" chanting: A QEEG study, 2nd EEG microstate conference, 9-12 July 2024, Geneva, Switzerland
54. Vats D, Bhatia R, Sagar S, Kumar A, Yadav R, Khan MA, et al, Effect of rTMS of DLPFC on pain, quality of life, anxiety, and depression in phantom limb pain patients, 6thInternational Brain Stimulation Conference, 23- 26 February 2025, Kobe, Japan
55. Vats D, Sharma R, Mir RA, Vikram NK, Madan K, Mittal S, et al, Effect of Serum from Obstructive Sleep Apnea Patients on Human Coronary Artery Endothelial Cell Viability, 11th Congress of Asian Sleep Research Society and 8th Asian Forum on Chronobiology, 8 February 2025, New Delhi
56. Vats D, Sharma R, Mir RA, Vikram NK, Madan K, Mittal S, et al, Evaluate the impact of OSA-induced intermittent hypoxia on endothelial cells, 4th AIIMS Annual Research Day, 30 January 2025, New Delhi
57. Velpandian D, Bade G, Jaryal A, Talwar A, An innovative strategy for localisation of site for the acquisition of Surface EMG signals using Transcutaneous Neuromuscular Electrical Stimulation, 70th Annual National Conference of Association of Physiologists and Pharmacologists of India, 10-14 December 2024, Chennai

Total number of oral/poster presentations over past 3 years

2022–2023	2023–2024	2024- 2025
88	57	57

RESEARCH

Funded projects

Ongoing

1. Microstate signatures and resting EEG sources of meditation and stress (On extension), Dr Ratna Sharma**,** DST, SATYAM**,** 4 Years, 2021-2025, Rs 52,86,000
2. A study of differential protein expression in injured spinal cord tissue of rats to predict biomarkers of recovery following Intermittent Theta-Burst stimulation and iron oxide nanoparticles implantation, Dr Suman Jain, DST-SERB POWER, 3 Years, 2022-2025, Rs 44,24,640
3. ARTSENS® Age: A multimodal method & system for reliable assessment of vascular ageing associated early health markers in routine clinical practice for early screening & timely intervention, Dr Dinu S Chandran, SERB, 3 Years, 2022-2025, Rs 10,63,612

4. Assessing the impact of anti-seizure medications on central arterial stiffness in patients with epilepsy (PWE), Dr. Suman Das, AIIMS, Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
5. Assessment of cognitive function in patients of breast cancer on chemotherapy: A prospective longitudinal study at tertiary care centre in India, Dr Simran Kaur, CANTAB research grant, 1 Year, 2024 Rs 1,50,000
6. Correlation of neurocognitive and motor function deficit severity with gut physiology in Cerebral palsy children, Dr Suman Jain, ICMR (SRF), 2 Years, 2022-2024, Rs 7,48,797
7. Developing a combinatorial bio-marker based on encephalic and metabolome profiles to differentiate functional dissociative seizures from epilepsy, Dr Suman Das, ICMR, 3 Years, 2024-2027, Rs 1,51,72,279
8. Development of complex biomimetic artificial nerve-graft for repairing spinal cord injury, Dr Suman Jain, ICMR, 3 Years, 2022-2025, Rs 21,65,660
9. Effect of acute changes in ambient air pollutants on pulmonary variables, systemic and airway inflammatory markers in healthy subjects, asthmatics and COPD patients, Dr Anjana Talwar, ICMR, 3 Years, 2024-27, Rs 78,18,095.20
10. Effect of High-definition transcranial alternating current stimulation therapy on motor symptoms in patients with Parkinson's disease, Dr Suriya Prakash M, AIIMS, Delhi, 2 Years, 2024-2026, Rs 2,00,000
11. Effect of long term exercise on synaptic abnormalities in sleep-deprived Alzheimer's disease rat model, Dr Ritesh Kumar Netam, SERB, 3 Years, 2023-2026, Rs 26,520
12. Effect of nostril breathing patterns in the patients of Major Depressive Disorder, Dr Prashant Tayade, ICMR, 1 Year, 2024-2025, Rs 32,42,565
13. Effect of sleep deprivation on glucose sensitive neurons in arcuate nucleus in rats, Dr Ritesh Kumar Netam, AIIMS, Delhi, 3 Years, 2021-2024, Rs 8,78,000
14. Effects of Irisin preconditioned Mesenchymal stem cells therapy on mitochondrial dysfunction mediated cognitive deficits in Hippocampus of Alzheimer's disease rat model, Dr Ritesh Kumar Netam, ICMR, 3 Years, 2025-2028, Rs 82,41,013
15. Efficacy of 'Common yoga protocol' by AYUSH for chronic insomnia: An open label, two arm, parallel randomized control trial, Dr Nasreen Akhtar, DST, SATYAM, 3 Years, 2023-2026, Rs 31,97,502
16. Efficacy of a yoga-meditation based lifestyle intervention in patients with obesity and major depressive disorder: A randomized controlled trial, Dr Raj Kumar Yadav, DST, 3 years, 2022-2025, Rs 80 Lakhs
17. Efficacy of repetitive transcranial magnetic stimulation on pain scores and cognition in patients with breast cancer: A randomized controlled trial, Dr Renu Bhatia, AIIMS, Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
18. Evaluation of therapeutic efficacy and mechanism of repetitive transcranial magnetic stimulation on the cognitive enhancement in hypobaric hypoxic environment, Dr. Suman Jain, LSRB, DRDO, 3 Years, 2023-2026, Rs 77,87,010
19. Facilitated recruitment of anterior randomized cortex as a compensatory circuitry of contextual fear memory in the absence of hippocampus, Dr Suman Jain, DST (NPDF), 2 Years, 2022-2024, Rs 21,99,744
20. Functional and biochemical assessment of cardiovascular sequelae in COVID-19 survivors and its association with imbalance in Renin Angiotensin Aldosterone pathway: an observational study, Dr Dinu S Chandran, ICMR, 3 Years, 2022-2025, Rs 48,92,370
21. Functional connectivity and microstate analysis during visuo-spatial working memory (VSWM) tasks in Alzheimer's Patients, Dr. Ratna Sharma, Undergraduate Research Project AIIMS, New Delhi, 1 Year, 2024-2025, Rs 1,50,000
22. Gene expression profiling by RNA Seq and metabolomic signatures in Post-COVID Pulmonary Fibrosis, Dr Geetanjali Gokarn Bade, ICMR, 3 Years, 2022-2025, Rs 63,99,035.2
23. Identifying early signs of attention-deficit/hyperactivity disorder (ADHD) in children by decoding their acoustic vocal profile, Dr Suman Das, SERB, 2 Years, 2024-2026, Rs 15,71,850
24. Immune signatures and role of neutrophils in pathophysiology of post tuberculosis pulmonary sequelae, Dr Geetanjali Gokarn Bade, ICMR, 3 Years, 2024-2027, Rs 92,52,959.2
25. Mapping the effective human brain connectome of visual object recognition, Dr Suriya Prakash M, AIIMS, Delhi, 3 Years, 2021-2024, Rs 10,31,000

26. Microstate signatures and resting EEG sources of meditation and stress, Dr Ratna Sharma, DST, SATYAM, 3 Years, 2020-2024, Rs 52,86,000
27. Modulation of cortical brain maps by external magnetic field in spinal cord injured rats, Dr Suman Jain, ICMR (RA), 2 Years, 2022-2024, Rs 14,72,560
28. Neural mechanism of sleep deprivation induced metabolic changes in rats, Dr Ritesh Kumar Netam, ICMR, 3 Years, 2023-2026, Rs 37,63,208
29. Nuclear factor kappa B activation, Hypoxia inducible Factor-1 and inducible Nitric Oxide Synthase expression in human vascular endothelial cells by serum of adults with Obstructive Sleep Apnea , Dr Nasreen Akhtar, ICMR, 3 Years, 2023-2026, Rs 29,82,714
30. Preclusion of Alzheimer's etiology in spinal cord injury: role of Transcranial Magnetic Stimulation", Dr Suman Jain, AIIMS, Delhi- UG Mentorship program, 1 Year, 2024-2025, Rs 1,50,000
31. Study of EEG microstates and cortical sources in visuo-spatially complex Hindi language, Dr Prashant Tayade, AIIMS, Delhi, 4 years, 2021-2025, Rs 4,92,000
32. The Interplay of Lung Function, Muscle Strength and Glycemic Control in Type 2 Diabetic Patients, Dr Anjana Talwar, AIIMS, Delhi, 2 Years, 2024-2026, Rs 2 Lakhs
33. Theranostics exosomes for imaging-directed treatment of brain metastases, Dr Suman Jain, DHR, 3 Years, 2021-2024, Rs 61,26,734
34. Therapeutic Efficacy of Multimodal Imaging Guided Brain Network Modulation through Personalized, Multisession, High-density Transcranial Direct Current Stimulation in Drug-Resistant Focal Epilepsy: A Double-Blind Sham-Controlled Study, Dr. Suriya Prakash M, ICMR, 3 Years, 2024-2027, Rs 83,35,081
35. To evaluate the effectiveness of the Indian digital neurocognitive module as an intervention for cognitive remediation in substance use disorder: A randomized control trial, Dr Simran Kaur, ICMR, 1 Year, 2025-2025, Rs 1,09,69,543
36. To investigate the combined neuromodulatory effects of intermittent theta burst stimulation (iTBS) and probiotics on the gut-brain axis in Parkinson's disease – a randomized controlled trial, Dr Suman Jain, ICMR (RA), 3 Years, 2022-2025, Rs 23,00,280
37. To study the effect of CBT(Cognitive Behaviour Therapy) on patient centric and molecular markers in Recurrent Pregnancy Loss, Dr Asmita Patil, AIIMS, Delhi - UG Mentorship Program, 1 Year, 2024-2025, Rs 1 Lakh
38. To study the efficacy of Irisin and leptin supplementation in treatment of sleep deprivation-induced Alzheimer's disease rat model, Dr Ritesh Kumar Netam, ICMR, 3 Years, 2024-2027, Rs 88,44,408
39. To Study the protective effect of antioxidant C and E on diesel exhaust microenvironment induced testicular injury in laboratory rat, Dr Asmita Patil, ICMR, 3 Years, 2024-2027, Rs 92,01,252
40. Transcriptomic profiling of circulating monocytes in post tuberculosis pulmonary sequelae, Dr Geetanjali Gokarn Bade, AIIMS, Delhi, 2 Years, 2023-2025, Rs 10 Lakhs
41. Transgenerational impact of diesel exhaust exposure on the male reproduction in the rat, Dr Asmita Patil, ICMR, 3 Years, 2021-2025, Rs 29,90,490.80
42. Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface, Dr Suriya Prakash M, DRDO, 44, 4 years, 2021-2025, Rs 56,34,000

Completed

1. A Multidisciplinary Approach to Understanding the Interrelationships Between Sleep Quality, Brain Morphometry and Cognition (a SOLACE study): Comparison Between Indian Individuals Residing in the UK vs India, Dr Nasreen Akhtar, AIIMS-UCL, 1 Year, 2022-2024, Rs 9,90,780
2. Clinical research to assess efficacy of repetitive transcranial magnetic stimulation along with implantation of neurotrophic coated nanoparticles in complete spinal cord injury patients, Dr Suman Jain**,** DBT*,* 3 Years**,** 2020-2024, Rs 88,35,200
3. Correlation between Karolinska Sleepiness Scale, day-time EEG and Psychomotor vigilance task , Dr. Nasreen Akhtar , AIIMS, Delhi, 1 Year, 2023-2024, Rs 1,99,900
4. Effect of Functional Magnetic Resonance Imaging Neurofeedback-guided Motor Imagery Training on corticomotor excitability and pain status in Rheumatoid Arthritis, Dr Renu Bhatia, ICMR, 3.5 Years, 2019-2024, Rs 26,00,000

5. Effect of repetitive transcranial magnetic stimulation (rTMS) of dorsolateral prefrontal cortex (DLPFC) in patients with phantom limb pain, Dr Akanksha Singh, AIIMS, Delhi, 3 Years, 2021-2024, Rs 6,75,000
6. Effect of yogic intervention on pain status in fibromyalgia patients, Dr Renu Bhatia, DST, 3.5 Years 2019-2024, Rs 59 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A longitudinal study to assess cortico-spinal excitability and plasticity in amyotrophic lateral sclerosis using transcranial magnetic stimulation metrics.
2. A randomized controlled trial to evaluate the effect of intermittent theta burst stimulation on gait pathomechanics and urinary test dysfunction in incomplete spinal cord injury patients.
3. A randomized controlled trial to evaluate the efficacy of yoga in modifying gene expression of stress, inflammation and ageing in Indian obese subjects
4. A study of differential proteome expression following intermittent Theta-Burst stimulation and nanoparticles implantation in Spinal Cord Injured rats
5. A study of sleep architecture, brain morphometry and cognition in older adults
6. A Study of sleep micro-architecture and cognitive functions in patients of obstructive sleep apnea
7. A study on vascular functions and their associated molecular markers in women with ovarian endometriosis
8. A study to assess corticocortical excitatory-inhibitory circuitry dynamics in Schizophrenia with Auditory Hallucinations
9. A study to investigate the neuromodulatory role of intermittent Theta-Burst stimulation in complete spinal cord injured patients implanted with iron oxide nanoparticles.
10. Diurnal variation of neurophysiological hyperarousal, sleep reactivity, stress levels and somatosensory information processing in chronicinsomnia
11. EEG Cortical sources and connectivity of working memory and language processing in attention deficit hyperactivity disorder
12. EEG Microstates and it's cortical sources during single nostril breathing
13. Effect of alternate nostril breathing on EEG microstates, cortical sources and connectivity in major depressive disorder-A randomized control trial
14. Effect of ambient air pollution on pulmonary functions, cellular and molecular markers in asthma, COPD patients and healthy participants
15. Effect of heart rate variability biofeedback training on peripheral sensory status and cardiac autonomic status in type 2 diabetes mellitus
16. Effect of High-definition transcranial alternating current stimulation therapy on motor symptoms in patients with Parkinson's disease
17. Effect of Probiotics and Repetitive Transcranial Magnetic Stimulation on Cognitive and motor functions in 6-hydroxy Dopamine rat model of Parkinson's Disease
18. Effect of Probiotics Supplementation on Cognition and Motor Symptoms in Patients with Fluctuating Parkinson's Disease
19. Effect of slow-paced breathing on acute stress: A qEEG based study
20. Effect of Theta Burst stimulation on Pain status and Heart Rate Variability in Chronic Migraine patients
21. Effect of yoga in chronic insomnia: A Randomised Controlled Trial
22. Effects of short-term yoga-based lifestyle intervention on endothelial function and arterial health in patients with coronary artery disease
23. Effects of Short-term Yoga-based Lifestyle Intervention on Stress, Immunity and Sleep Rhythmicity in Follicular & Luteal Phase of Menstrual Cycle: A Randomized Controlled Trial
24. Effects of two short-term yoga protocols (*Hatha* and *Raja* yoga) on stress and diurnal variations of salivary cortisol and alpha amylase in healthy young adult males: A randomized crossover study

25. Effects of yoga-based lifestyle intervention on post myocardial infarction patients undergoing cardiac rehabilitation
26. Evaluation of Yoga-Based Intervention and Transcranial Magnetic Stimulation on Cognition, Neuromodulation and Stress in Obesity: A Randomized Controlled Trial
27. Gene expression and Immuno-Metabolomic Profiling to elucidate the pathophysiology of Pulmonary Fibrosis
28. Genetic and cellular changes following 6 months of yoga-based lifestyle intervention in participants with obesity and co-morbid depression: A randomized controlled trial
29. Identification of Mind wandering and attentional lapses on the basis of network analysis: A QEEG study
30. Immune profiling and functional characterization of monocyte derived macrophages to elucidate the pathophysiology of Post TB pulmonary sequelae
31. Immunophenotyping of Immune Cells and Molecular Signatures of Neutrophils in Post Tuberculosis Pulmonary Sequelae
32. Impact of Intermittent Hypoxia on Oxidative and Inflammatory pathways in Obstructive Sleep Apnea
33. Investigation of Ventricular-Arterial coupling and its associations with Renin Angiotensin Aldosterone pathway in COVID 19 survivors.
34. Mechanistic insights and therapeutic efficacy of repetitive transcranial magnetic stimulation on cognitive function and cortical plasticity in hypobaric hypoxic rat model
35. Microstates and Cortical sources as a QEEG tool to quantify and classify normal, meditative, stressed and psychiatric brain states
36. Modulation of cerebellar synaptic dynamics following spinal cord injury in rats and humans: Role of repetitive transcranial magnetic stimulation.
37. Neural Correlates of Motor Planning for Voluntary Upper Limb Movement with Assistive Exosuit
38. QEEG correlates of Binaural Beats in Generalized Anxiety Disorder patients
39. QEEG microstates during incorrect responses of N- Back working memory task
40. QEEG microstates of incorrect vs correct trials during working memory task
41. Relationship between carotid artery stiffness and spontaneous baroreflex sensitivity in healthy human volunteers
42. Role of Motor Cortical Transcranial Magnetic Stimulation on Modulation of Neurogenic Bladder in Spinal Cord Injury Rat model
43. Study of neurofeedback training as an adjunctive transdiagnostic treatment among adolescents with internalizing disorders
44. To study molecular markers and vascular function in Recurrent Pregnancy Loss
45. To study the effect of vitamins C and E on filtered diesel exhaustinduced testicular and vascular function in Wistar rats

Completed

1. A Study of Blood Pressure Variability and Sleep Fragmentation in Obstructive Sleep Apnea
2. A study of intermittent Theta Burst Stimulation of dorsolateral Prefrontal Cortex on Post-Polio syndrome
3. A study on cellular physiology of endometriosis-associated estrogenic action in endometrial stromal cells
4. Association between Val158Met polymorphism in catechol-o-methyl transferase and pain perception in rheumatoid arthritis
5. Cerebellar reorganization in complete spinal cord transection rat model: effect of intermittent theta burst stimulation
6. EEG Microstates and it's cortical sources during single nostril breathing
7. Effect of fMRI-based Neurofeedback guided Motor Imagery training on Cortical Excitability and Pain status in Rheumatoid Arthritis.
8. Effect of Functional Magnetic Resonance Imaging Neurofeedback-guided Motor Imagery Training on corticomotor excitability and pain status in Rheumatoid Arthritis patients

9. Effect of low frequency repetitive transcranial magnetic stimulation on pain status, joint mobility and cortical excitability in Rheumatoid arthritis
10. Effect of Probiotics and repetitive Transcranial Magnetic Stimulation on cognitive and motor functions in 6-hydroxy Dopamine rat model of Parkinson's Disease
11. Effect of Probiotics Supplementation on Cognition and Motor Symptoms in Patients with fluctuating Parkinson's Disease
12. Effect of prolonged theta burst stimulation protocols on corticomotor excitability and pain perception in healthy controls
13. Effect of yogic intervention on pain perception and autonomic profile in fibromyalgia patients
14. Effect of yogic intervention on pain status and cortical excitability in fibromyalgia patients
15. Effect of yogic intervention on pain status in fibromyalgia
16. Immunophenotyping of circulating Monocytes in Post Tuberculosis Sequelae
17. Lung function profiling and inflammatory cytokines in post-tuberculosis sequelae.
18. Respiratory impedance, lung volumes and exercise capacity in obstructive sleep apnea with and without metabolic syndromes
19. Study of the effects of exposure to diesel, biodiesel and blend fuel engine exhaust on testicular morphology and spermatogenesis in male wistar rats
20. To study the effect of diesel exhaust exposure on male reproduction in the laboratory rat

Collaborative projects

Ongoing

1. A comparative assessment by EMG activity and bite force of autogenous reconstruction of ramus condyle unit done with Transport disc distraction osteogenesis and Costo chondral grafting in patients with TMJ ankylosis, Center for Dental Education and Research
2. A comparison of modulating effect of cTBS and low-frequency rTMS on cortical excitability in children and adolescents aged 5-14 years with Lesional Drug refractory Epilepsy (Focal epilepsy or electrical status epilepticus in sleep): An open-label randomized non-inferiority crossover study, Pediatric Neurology, AIIMS Delhi
3. A cross-sectional study of patient reported quality of life and cognitive impairment in patients with Gastrointestinal stromal tumor, Medicine
4. A randomized controlled trial of three months of Yoga-based comprehensive treatment module vs standard therapy in improving severity of symptoms, disability, and quality of life in patients with medically unexplained physical symptoms, Department of Medicine
5. A Randomized Controlled trial to Evaluate the Effectiveness of rTMS in Managing Neuropathic Pain in Patients with Spinal Cord Injury, PMR, AIIMS Delhi
6. A study of variations in decision making patterns and stress levels in clinicians, pre/para-clinicians and administrative medical personals, Hospital Administration, AIIMS, Delhi
7. Acute and Long-Term impact of Head and Neck cancer Treatment on Autonomic Function, Department of ENT, NCI Jhajjar
8. Analysis of anti-neurotoxicity of amyloid Beta (Aβ) in Alzheimer's disease (AD) pathology targeting lipoxygenase, Biophysics, AIIMS Delhi
9. Assessment of cognitive changes due to opioid usage among cancer patients attending the tertiary care centre in India: A cross sectional observational study, Onco-Anaesthesiology and Palliative Medicine
10. Body composition, muscle strength and exercise tolerance in adolescent girls with PCOS: A case control study, Department of Paediatrics, AIIMS, New Delhi
11. Carotid Arterial Stiffness measured by ARTSENS Plus device as a risk factor of Acute ST-Elevation Myocardial Infarction (STEMI): A Case-Control pilot study, Department of Cardiology
12. Comparative Assessment of Airway Resistance by Body Box plethysmography and Impulse Oscillometry in Sarcoidosis, Pulmonary, Critical Care and Sleep Medicine

13. Development of exosome-based drug delivery system for naturally inspired novel multifunctional neuroprotective molecules and their biological evaluation in Alzheimer's disease models, Department: of Biophysics, AIIMS Delhi
14. Development of wearable soft sensor for online estimation of joint torque from physiological signals: application towards neuro-muscular control of the powered soft assistive device, IIT Delhi
15. Effect of ambient air pollution on pulmonary functions, cellular and molecular markers in asthma, COPD patients and healthy participants, Pulmonary, Critical Care and Sleep Medicine
16. Effect of Ayurvedic oil dripping treatment (Shirodhara) on sleep quality in patients with recent cardiocerebrovascular events: a randomized controlled trial , Centre for integrative medicine and research
17. Effect of neuromodulation on metabolic and morphological changes in an experimental Parkinson's disease model, Department of NMR, AIIMS Delhi
18. Effect of remote ischemic postconditioning on inflammatory markers and myocardial injury during thrombolysis in normal and vitamin D deficient patients suffering from acute coronary syndrome, Pharmacology
19. Effect of Transplantation of lentivirus mediated genetically engineered mesenchymal stem cells into monocrotaline induced pulmonary hypertensive rats: Validation by Next Generation Sequencing, Pharmacology, AIIMS, New Delhi
20. Effect of yoga-based lifestyle intervention on oxidative stress, inflammation, vascular endothelial function and autonomic tone in diabetic retinopathy patients, Collaboration with Ocular Biochemistry, AIIMS, New Delhi
21. Effects of slow pranayamic breathing in neural correlates and cardio physiological markers. A randomized controlled trial, Centre for integrative medicine and research
22. Efficacy of a family based comprehensive yoga program for weight reduction among overweight children and adolescents, Department of Pediatrics, AIIMS, New Delhi
23. Efficacy of repetitive transcranial magnetic stimulation in children and adolescents age 5-18 years with generalized dystonia: a randomized sham control trial, Pediatric Neurology, AIIMS Delhi
24. Efficacy of repetitive transcranial magnetic stimulation on pain scores and cognition in patients with breast cancer: A randomized controlled trial, Dr B.R.A IRCH, AIIMS, New Delhi
25. Evaluation of Autonomic Function in Glaucoma, Dr. Rajendra Prasad Centre for Ophthalmic Sciences
26. Evaluation of the cardioprotective effect of remote ischemic preconditioning in acute coronary syndrome patients and its correlation with vitamin D, Pharmacology, AIIMS, New Delhi
27. Exploring the effect of aging and neurodegeneration on decision making and the underlying mechanisms using Rodent-Iowa gambling task in streptozotocin (STZ) induced AD rat model, IIT Delhi and JNU Delhi
28. Gene expression and Immuno-Metabolomic Profiling to elucidate the pathophysiology of Pulmonary Fibrosis, Pulmonary, Critical Care and Sleep Medicine, Biotechnology
29. Identification of early biomarkers for Parkinson's disease using radiomics and metabolomics approach in an experimental PD model and patients with PD, NMR AIIMS Delhi
30. Immune profiling and functional characterization of monocyte derived macrophages to elucidate the pathophysiology of Post TB pulmonary sequelae, Pulmonary, Critical Care and Sleep Medicine, Biochemistry, Reproductive Medicine
31. Immunophenotyping of Immune Cells and Molecular Signatures of Neutrophils in Post Tuberculosis Pulmonary Sequelae, Pulmonary, Critical Care and Sleep Medicine, Biochemistry
32. Impact of transcendental meditation (TM) on acute and chronic stress among surgeons: A randomized controlled trial, Department of surgical disciplines
33. Intermediate and long term therapeutic efficacy of r TMS in drug refractory focal epilepsy of childhood: A randomized double blind sham controlled study, Pediatrics Neurology, AIIMS Delhi
34. Low-cost virtual reality sensorimotor robotic intervention for management of phantom limb pain below elbow amputees following trauma, AIIMS -UCL Research grant2024-2025 (JPNATC, AIIMS New Delhi)
35. Pilot randomized double blinded comparative trial to evaluate the efficacy of topical tacrolimus versus placebo in the management of itch in patients with recessive dystrophic epidermolysis bullosa, Dermatology, AIIMS, Delhi

36. Possible involvement of Angiotensin receptor in regulation of -arrestin mediated downstream signaling pathway in experiment model of heart failure in rat, Pharmacology, AIIMS, New Delhi
37. Possible involvement of EPAC mediated signaling pathway in amelioration of experimental model of Diabetic Cardiomyopathy in rats, Pharmacology, AIIMS, New Delhi
38. Prospective study to evaluate the efficacy of posterior nasal neurectomy as treatment modality in patients with persistent allergic rhinitis along with medical management, ENT
39. Role of intracellular renin-angiotensin system in mono-crotaline induced pulmonary arterial hypertension in rats, Pharmacology, AIIMS, New Delhi
40. Study of Exosomal lipid content in Parkinson's disease and Amyloid-(AB) association with Exosomes, Department of Biophysics, AIIMS Delhi
41. Study of Neurofeedback training as an adjunctive transdiagnostic treatment among adolescents with internalizing disorder, Psychiatry
42. The impact of mental fatigue on the working memory capacity and executive functions of young adults (as external supervisor), Centre of Neural and Cognitive Sciences, University of Hyderabad
43. To compare the effects of high frequency-rTMS and iTBS in treatment of fatigue in Post-polio syndrome based on a randomized controlled trial using Bereitschafts potential, PMR, AIIMS Delhi
44. To investigate the behavioral and neurobiological alterations in the Decision Making in Affective Disorders by Rodent Iowa Gambling task with underlying sex differences, IIT Delhi
45. To Investigate the Role of human Mesenchymal Stem Cell Derived Exosomes as a Cell Free Therapeutic Approach for amelioration of symptoms of Autism Spectrum Disorder, Stem cell facility, AIIMS Delhi
46. To see the early effect of sorafenib on cognition, cardiovascular and reproductive functions in patients with fibromatosis, Medical Oncology
47. To study the adjunctive effect of Photobiomodulation Therapy using Diode laser of 940nm wavelength on Clinical, Functional, Molecular characteristics and Oral Health Quality of life in moderate Oral Submucous Fibrosis, Oral Medicine & RadiologyCentre for Dental Education and Research AIIMS New Delhi
48. To study the correlates of loneliness and perceived social support on cognitive and emotional processing in youth with mental illness: An interventional study, Psychiatry
49. Transgenerational impact of diesel exhaust exposure on the male reproduction in the rat, IIT, Delhi
50. Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface, IIT Delhi

Completed

1. A prospective study to evaluate the restoration of abdominal wall dynamics in patients with incisional hernia following laparoscopic IPOM plus repair in comparison to healthy controls using surface EMG, Department of Surgery, AIIMS, New Delhi
2. Comparative study of effects of lignocaine vs dexmedetomidine administration on the incidence of Post operative cognitive dysfunction in the elderly, Department of Anaesthesiology, Pain Medicine and Critical Care, AIIMS, New Delhi
3. Correlation between noradrenaline, serotonin, GABA and glycine in cerebrospinal fluid with labor pain undergoing cesarean section: A preliminary Study, Department of Anaesthesiology, AIIMS, New Delhi
4. Effect of sodium –hydrogen channel (NHE-1) inhibitor in hypoxic cardiac arrest, JPN Trauma Centre AIIMS Delhi
5. Effect of Vitamin D on monocrotaline induced pulmonary artery hypertension in rats, Pharmacology
6. Effect of Yoga on maternal and perinatal outcome on Pregnancy, Department of Obstetrics and Gynaecology, AIIMS, New Delhi
7. Evaluation of immediate and occlusal pattern changes and their influence on electromyographic activity of jaw muscles in growing patients treated with rapid maxillary expansion for posterior crossbite- A prospective clinical study, Department of orthodontics and dentofacial deformities (CDER), AIIMS, New Delhi
8. Immunophenotyping of circulating Monocytes in Post Tuberculosis Sequelae, Pulmonary, Critical Care and Sleep Medicine, Radiology

9. Impact of rTMS versus drug therapy on phantom limb pain in lower limb amputation patients: A randomized controlled trial, JPNAT, Trauma Centre, AIIMS, New Delhi
10. Influence of the restoration after pulpotomy on the electrical conductance of the tooth- A preliminary investigation, CDER, Delhi
11. Longitudinal changes in EMG activity of masseter and temporalis muscles of patients undergoing temporomandibular joint replacement, Department of oral & maxillofacial surgery (CDER)
12. Lung function profiling and inflammatory cytokines in post-tuberculosis sequelae, Pulmonary, Critical Care and Sleep Medicine, Radiology
13. Neuromodulation- Induced Metabolic and Morphological alterations in as experimental model of Parkinson's Disease: An MR Investigation, NMR, AIIMS Delhi
14. Nutritional assessment of Indian women with gynaecological cancers using GLIM criteria and impact of focused prehabilitation protocol on nutrition and perioperative outcomes in women undergoing interval debulking surgery, Obstetrics & gynaecology
15. Randomized double-blind, placebo-controlled study of oral gabapentin for prevention of sensory neuropathy in patients receiving paclitaxel, Department of Medical Oncology, Dr. BRAIRCH, AIIMS, Delhi
16. Respiratory impedance, lung volumes and exercise capacity in obstructive sleep apnea with and without metabolic syndromes, Pulmonary, Critical Care and Sleep Medicine
17. Study of the effects of exposure to diesel, biodiesel and blend fuel engine exhaust on testicular morphology and spermatogenesis in male wistar rats, IIT, Delhi
18. To compare inflammatory markers in low pressure pneumoperitoneum with deep neuromuscular block versus standard pressure pneumoperitoneum among patients undergoing laparoscopic cholecystectomy for gallstone diseases: a pilot Randomized Control trial, Department of Surgical disciplines

Research over past 3 years

Research projects	2022–2023	2023-2024	2024-2025
Total funded projects	44	45	40
Total funding (Lakhs)	Rs 1467.01 Lakhs	Rs 918.22 Lakhs	Rs 1630.11 Lakhs

Publications

Journals: 39 **Abstracts: 11** **Chapters in Book: 04**

Publications over past 3 years

No. of publications	2022–2023	2023–2024	2024-2025
Total	**69**	**47**	**54**

PATIENT CARE

Pain Research and TMS laboratory has started clinical services from October 2024, patients received rTMS therapy for fibromyalgia, breast cancer, pancreatitis and polyarthralgia. A total of 256 rTMS (Repetitive Transcranial Magnetic Stimulation) sessions given at Motor cortex/Dorsolateral Prefrontal cortex, 20 supervised Yoga sessions with flexibility assessment in 18 patients and 15 motor imagery sessions to chronic pain patients were given. Pain and Somatosensory assessment of 50 chronic pain patients and healthy volunteers were done. EMG recordings of pericranial, epigastric, abdominal and cervical muscles done for 20 patients. Heart rate variability were done in 10 chronic pain patients (fibromyalgia) and healthy controls. Corticomotor excitability measurement and evaluation of 25 chronic pain patients and 10 healthy volunteers was also conducted. Quantitative sensory testing was performed for 25patients. The chronic pain patients included patients with chronic low back pain, fibromyalgia, rheumatoid arthritis, chronic neck and shoulder pain, chronic pruritus, hypothyroidism, breast cancer, pancreatitis, phantom limb patients, pregnant and young children undergoing orthodontic therapy. Patients were referred from various clinical departments of AIIMS namely Rheumatology, Physical Medicine and Rehabilitation, Orthopaedics, Neurosurgery, Oral and maxillofacial surgery, Orthodontics, Dermatology, Endocrinology, Anesthesiology and Neurology, JPNAT Trauma centre, Gastroenterology and Gynecology.

Intraoperative neuromonitoring and high-resolution GI manometry

1. High resolution Manometry: 50 patients from Department of Surgery, AIIMS, New Delhi
2. 24 Hour pH monitoring: 30 patients from Department of Surgery, AIIMS, New Delhi
3. Intraoperative neuromonitoring: 100 patients from department of Orthopaedics and Department of Neurosurgery

Autonomic function testing

The total number of cases done by AFT lab for patient care in 2024-25 is 92.

Integral Health & Wellness Clinic (IHC): A facility for Mind, Medicine & Meditation integration

Integral Health & Wellness Clinic (IHC) is a facility for mind, medicine & meditation integration, primarily for health promotional activities.

IHC is an outpatient facility which is used not only for therapeutic gains but also as part of a developing health & wellness consciousness. As a de-stressor facility, the IHC is a supportive facility to de-stress AIIMS employees including faculty, students, residents, and staff.

From April 2024 to March 2025, IHC enrollment (under direct supervision of yoga therapist, research investigators & medical experts):

(a) Obesity: 46, each participant enrollment for 2 to 4 weeks, 1 hour each day

(b) Obesity and depression: 20, each participant enrollment for 28 days, 1 hour each day.

(c) Fitness: 54 apparently healthy participants, each participant enrollment for 14 days, 1 hour each day.

(d) Fibromyalgia: 39 patients, each patient enrollment for 4 to 6 weeks, 1 hour each day.

(e) Gynae patients (ovarian carcinomas): 7 patients, each patient enrollment for 3 to 6 months, 1 hour each day. (online & offline).

(f) Diabetic retinopathy: 49 patients; each patient enrollment for 2 to 4 weeks, 1 hour each day

(g) Stroke patients: 10, each patient enrollment for 28 days, 1 hour each day.

(h) Others: (MDD, heart failure, CSR, diabetes, lumbar spondylosis, autonomic dysfunction, insomnia etc.) Total 17 patients; each patient enrollment for 2 to 4 weeks, 1 hour each day.

The patients are regularly referred from Departments of Medicine, Endocrinology, Metabolism & Diabetes, Rheumatology Psychiatry, Neurology, Cardiology, Obstetrics & Gynaecology, RPC for Ophthalmic Sciences, etc.

Patient care related services	2022–2023	2023–2024	2024-2025
rTMS therapy	-	241	256
Intraoperative neuromonitoring	390	172	100
Autonomic function testing	821	762	92
High-resolution GI manometry	-	30	50
24 Hour pH monitoring	-	15	30
Integral Health & Wellness Clinic	329	562	242
Total	1540	1782	770

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Suman Jain was Member of Editorial Board, Scientific Reports, Nature Publications 2024. He was Member of IUPS-IUPHAR committee of INSA 2024. He was Member of Funding Review Committee, North American Spine Society 2024. He was Secretary of Delhi-NCR Chapter of Indian Academy of Neurosciences. He was Member of Dean Research Committee, AIIMS Delhi 2024. He was Member of Scientific Committee for evaluation and judging of Posters, 4th Research Day, AIIMS Delhi. Member of Review Committee under UG Research Mentorship Scheme 2024 onwards. He was Member of the Teaching Schedule Committee for Phase-I MBBS UG Students, AIIMS Delhi. He was Member, Traffic monitoring

committee, AIIMS Delhi 2023- continuing. He was Member, augmenting Research Scientists cadre and creating additional posts of Research Staff/Scientist positions at AIIMS, New Delhi, 2024. He Chaired a session on "Neuromodulation by Gut brain axis in Neurological Disorders" during Annual Conference of Indian Academy of Neurosciences, held at NIMHANS, Bangaluru on 12-14 November 2025. He Chaired a session during "Alzheimer's Association International Conference (AAIC) : Neuroscience Next 2024" on 22nd April 2024 at Bangalore. He was As External expert conducted PhD public defense at NIMHANS, Bangalore; INMAS, Delhi; Delhi Technological University, Delhi.

Professor Ashok Kumar Jaryal was Subject Expert, Project Monitoring and Review Committee of XIII Five Year Plan Projects and Tasks, Defense Institute of Physiology and Allied Sciences, DRDO, MoD, GOI. He was Member, Examinations Ethics Committee, National Board of Examinations in Medical Sciences. He was Appointed as President of Society for Intraoperative Neurophysiology.

Professor Raj Kumar Yadav was Editor: International Journal of Clinical and Experimental Physiology. He was Associate editor: Frontiers in Psychology. He was Vice President (North zone): Association of Physiologists of India (ASSOPI). He was Member, Institute Ethics Committee (PG), AIIMS, New Delhi. He was Deputy Hostel Superintendent, AIIMS, New Delhi. He was Secretary, Association of Physiologists & Pharmacologists of India (APPI), *Delhi chapter.* He was Secretary, Faculty Club, AIIMS, New Delhi. He was Chairman, Aesthetics & Beautification Committee (ABC), AIIMS, New Delhi. He was Chairman: Selection committee for appointment of consultants/fellows/computer programmer etc in research projects at AIIMS (Research section), New Delhi. He was Chairman: Committee for evaluation of tenders on QCBS basis (AIIMS Hostels). He was Chairman: Inspection committee for hostel goods (Tables, CCTV etc). He was Chairman: Technical specification & evaluation committee for purchase through GeM portal (AIIMS Hostels). He was Central Public Information Officer (CPIO), Hostel Section, AIIMS, New Delhi, under Right to Information (RTI) act since May 2022. He was Member, AIIMS Students Benevolent Fund Committee for UG students. He was Member, Engineering Advisory Committee, AIIMS, New Delhi. *He was* External Expert, Standing selection committee, AIIMS Rishikesh (Sept 2024), AIIMS Bilaspur (Feb 2025) for selection/APS of faculty. He was External Expert for screening/selection of faculty, Nursing staff, Nursing managers etc. at Institute of Liver & Biliary Sciences (ILBS), New Delhi. He was External expert of Indian Council of Medical Research (ICMR): Condemnation committee. He was Steering Committee Member to enable the collaboration between IITM (Indian Institute of Technology, Madras) Chennai, and AIIMS (Delhi). He was Standing Selection Committee Member/ Observer for selection of Assistant Professors at AIIMS-CAPFIMS, New Delhi. He was Standing Selection Committee Member/ Observer for selection of Assistant Professors at AIIMS, New Delhi. He was an expert participated in the live show, "Total Health", to discuss medicine, diseases and Yoga on 15 June 2024. He was an expert in morning show, '*Suprabhatam*' to discuss role of Yoga in mental health on 18 June 2024. He was As an expert, in a special morning show, to discuss role of Yoga in health, wellness & diseases on 21 June 2024.

Professor Renu Bhatia was Member, International Association for Study of Pain (IASP). He was Member AIIMS UG Curriculum organizing group, AIIMS New Delhi. He was Member, The Neuromodulation society of India. He was Nodal Officer, e-content for Learning Management System AIIMS New Delhi.

Professor Simran Kaur received AIIMS Excellence Research Award, 3rd prize in Basic Sciences for the paper Patient-reported cognitive impairments and objective neuropsychological deficits in young sarcoma patients undergoing chemotherapy and its comparison to healthy controls: A tertiary health care study from India. During AIIMS Research Day, January 2025. She received 1st prize, eposter presentation at NAMS conference on 'Risk taking behavior in substance use and behavioral addiction', July 2024, held at GIMS, Noida. She was Guest editor, *Frontiers **in Psychiatry*** **on – 'Neuroimaging in Psychiatry 2023: Addictive Disorders'.** She was a member of Resource faculty at CMET during Basic Course in Medical education: 31 August 2024. She was Organizer and Resource faculty at CMET for Assessment of Practical and Clinical skills for Senior residents, December 2024. She was Convenor for 'Cognitive function testing": during Techniques in Physiological Sciences, 02-04 April 2024, AIIMS, New Delhi. She was Speaker during Indo-French Workshop on Artificial Intelligence, Healthcare and Way Forward for India and France" on "Neurophysiological markers in ADHD: Role of Quantitative EEG on 22 March 2024 at IIT Delhi.

Dr Dinu S Chandran was nominated as a task force member of the IUPS mentorship program for Physiologists in Africa. In this capacity, I collaborated with an international panel of experts to formulate the guidelines and goals for the IUPS mentorship project for early career, physiologists in Africa. He took part in reviewing the applications of potential mentees and selecting them based on the task force guidelines. He was appointed as one of the six core members of the IUPS Academy fellows task force. I was entrusted with the responsibility of reviewing the applications received for the award of Fellow in IUPS Academy (FIUPS) and coordinating with the task force team to select 30 applicants who were awarded the fellowship from across the globe.

Dr Nasreen Akhtar is Associate editor of the journal 'Sleep and Vigilance', reviewer for journals Scientific Reports, Nature and Science of Sleep, Indian Journal of physiology and Pharmacology, First prize for best poster (Undergraduate) at Research day, AIIMS New Delhi on 30 January 2025 and 2 Awards for best poster presented at 11th Congress of Asian Sleep Research Society and 8th Asian Forum on Chronobiology, New Delhi on 8 February 2025, examiner for PhD thesis

of Jamia Millia Islamia University, MBBS teaching in charge. Expert in Panel discussion on "Integrative strategy for mental health" in 1st International Conference on Advances in Integrative Medicine 2025 at AIIMS, New Delhi. Co-Organizing secretary of 11th Congress of Asian Sleep Research Society and 8th Asian Forum on Chronobiology held at New Delhi from 8-9 February 2025. Was nominated as International Ambassador for Asia Pacific Region of the American Academy of Sleep Medicine for 2024-25.

Dr Prashant Tayade was Convenor of the workshop on QEEG held in Techniques in Physiological Sciences-2024 at AIIMS New Delhi from 2-4 April 2024.

Dr Suriya Prakash Muthukrishnan was Organizing Secretary, Techniques in Physiological Sciences 2024, 2-4 April 2024, New Delhi. Guest Editor, Frontiers in Computational Neuroscience –Complex network dynamics of cognitive processing in health and disease: Current knowledge and future research. Guest Editor, Frontiers in Human Neuroscience – Neural Mechanisms of Motor Planning in Assisted Voluntary Movement. Chair, Parallel session – Basic and translational research synergies in our region, 15th Asian & Oceanian Epilepsy Congress, 20-23 February 2025, New Delhi. External Examiner – First MBBS Prof Exam, August 2024, AIIMS Guwahati.

VISITING SCIENTIST

Dr Elad Fein, October 2024

9.34 Plastic Surgery

Professor and Head

Maneesh Singhal

Additional Professors

Raja Tiwari | Shashank Chauhan | Raj Kumar Manas

Assistant Professors

Shivangi Saha | Aparna Sinha

Deputy Nursing Superintendent

Bharti S Alone

Scientist

Surender Kumar

Clinical Psychologist

Aishwarya Raj

HIGHLIGHTS

The Burns and Plastic Surgery Block is the first block at AIIMS, New Delhi to receive NABH accreditation. The department has total 6 major OTs to cater to the burns and plastic surgery patients. We have been granted ICMR collaborating Centre of Excellence in the field of burns research. The skin bank has been inaugurated at the block recently for burns patients. The department is providing first of its kind transgender surgical services. The department started advanced burns training programme for dressers, nurses and doctors with the Govt of India and has successfully trained more than one hundred fifty nominated personnel till now. As per the GOI approval, this training programme will continue to train nominated personnel for another 2 years. The department performed the first complete functional forearm reconstruction in the world which has received international prizes and multiple international accolades and has been recently published. The extramural research funding of the department has increased more than 11 times in the last 4 years Rs. 1.42 crores in 2020-2021 to Rs. 16.43 crores in 2024-25.

CMEs/Workshops/Symposia/National and International Conferences

1. Education and Training of Nursing Officers on Deceased Organ and Tissue Donation, Workshop on Origin and propagation of rhinoplasty, 16 April 2024, Seminar Room BPS BLOCK
2. Education and Training of Nursing Officers on Deceased Organ and Tissue Donation, Workshop on Ongoing In-Service Education and Training of Nursing Officers on Deceased Organ and Tissue Donation, 8 April 2024, Seminar Room BPS BLOCK
3. Serial burn wound assessment Initial assessment of the Burn Patient, Advanced Emergency Burn Management Training course for Doctors (Under Ministry of Health & Family Welfare, MOHFW), 4-6 September 2024, 6-8 November 2024, 8-10 January 2025, 5-7 February 2025, 5-7 March 2025, Seminar Room BPS BLOCK
4. Initial Assessment of Burn Patients, Primary survey, Secondary survey, Advanced Emergency Burn Management Training course for nurses (Under MOHFW), 21-23 August 2024, 11-13 September 2024, 13-15 November 2024, 15-17 January 2025, 27-28 February 2025, 1 March 2025, 11-13/ March 2025, Seminar Room BPS BLOCK
5. Management of mass casualty incident, Advanced Emergency Burn Management Training course for nurses (Under MOHFW), 21-23 August 2024, 11-13 September 2024, 13-15 November 2024, 15-17 January 2025, 27-28 February 2025, 1 March 2025, 11-13/ March 2025, Seminar Room BPS BLOCK
6. Initial Assessment of Burn Patients, Primary survey, Secondary survey, Advanced Emergency Burn Management Training course for dressers (Under MOHFW), 18-20 September 2024, 20-22 November 2024 22-24 January 2025, 19-21 February 2025, 19-21 March 2025, Seminar Room BPS BLOCK
7. Management of mass casualty incident, Advanced Emergency Burn Management Training course for dressers (Under MOHFW), 18-20 September 2024, 20-22 November 2024 22-24 January 2025, 19-21 February 2025, 19-21 March 2025, Seminar Room BPS BLOCK

8. Awareness Program on Skin Bank, Training/ Awareness Program on Skin Bank, 21 December 2024, Seminar Room BPS BLOCK
9. Awareness Program on Skin Bank, Plastic Surgery workshop, 13-15 November 2024, Seminar Room BPS BLOCK
10. Awareness Program on Skin Bank, Burns Prevention Week Program, 4-10 April 2024, Seminar Room BPS BLOCK
11. Awareness Program on Skin Bank, Public Lecture on Burn Prevention, 8 April 2024, Seminar Room BPS BLOCK
12. Awareness Program on Skin Bank, Aesthetic Surgery Workshop, 22-23 December 2024, AIIMS NEW DELHI
13. Wound Management skills, 1st International Wound Management skills course-BAPRAS, 20-21 February 2025, AIIMS NEW DELHI
14. Wound Management skills, Training Program on Burn and Wound Care Nursing for new joined staff, 22 April 2024, 01 May 2024, AIIMS NEW DELHI
15. Breast Cancer talk, Breast Cancer Reconstructive Workshop, 15-17 March 2025, AIIMS NEW DELHI
16. Breast Cancer talk, CME in Burns and Plastic Surgery, 9 September 2024, AIIMS NEW DELHI
17. Breast Cancer talk, Community Engagement Transgender, 7-10 December 2024, AIIMS NEW DELHI
18. Breast Cancer talk, Hand Surgery, 7-9 September 2024, AIIMS New Delhi
19. Annual Conference of National Academy of Burns – India, National Academy of Burns India Conference (NABICON) 2025, 13 February 2025-15 February 2025, AIIMS New Delhi
20. CME 1st International Management Certificate Course, CME, 20-21 February 2025, AIIMS New Delhi
21. Beyond Medicine, Mega Conference, 21 July 2024, AIIMS New Delhi

Lectures delivered at CMEs, National and International conferences

Lectures delivered: 40

Maneesh Singhal: 5	**Raja Tiwari: 9**	**Shashank Chauhan: 2**
Raj Kumar Manas: 10	**Shivangi Saha: 9**	**Aparna Sinha: 5**

Maneesh Singhal

1. Breast Cancer talk, Breast Cancer Reconstructive Workshop, 15-17 March 2025.
2. Burn Prevention Public Lecture, Public Lecture on Burn Prevention, 8 April 2024.
3. Burns Management Talk, 1st International Management Certificate Course, 20-21 February 2025.
4. Burns Management Talk, Burns and Plastic Surgery, 9 September 2024.
5. Outcomes of patients presenting to a tertiary burn center emergency department- does prehospital resuscitation really matter? ISBI-BBA Congress 2024, 18 - 22 August 2024, Birmingham, UK

Raja Tiwari

1. European federation of Societies for microsurgery, EFSM 2024, 9 May 2024, Milan, Italy
2. Ectopic replantations, APSICON 2024, 14 September 2024
3. Robotics in Brachial plexus, APSICON 2024, 14 September 2024
4. Robotic-Assisted Oberlin transfer for partial brachial plexus palsy: case series, ISSHCON 2024, 4 October 2024
5. Robotic- Assisted Supraclavicular Exploration and nerve transfer for Brachial plexus : case series, RAMSES 2024, 7 November 2024, Singapore
6. Brachial plexus and peripheral nerve Surgery, ISPNS 2025, 10 January 2025
7. Burn hypertrophic scars and keloids, NABICON 2025, 13 February 2025
8. Ultrasound guided botox for idiopathic Masseteric hypertrophy, AESURG 2025, 05 March 2025

9. Anatomy and surgical technique SCIP Flap, Cadaver Microsurgery Skills Training workshop 2025, 30 March 2025

Shashank Chauhan

1. Understanding Chemical burns: Insight from North India Burns Centre., ISBI-BBA Congress 2024, 18-22 August 2024, Convention Centre, Birmingham, UK
2. Craniomaxillofacial surgery Operative Workshop, CMF Course, 19 March 2025, JNMCH, Aligarh Muslim University,

Raj Kumar Manas

1. Optimizing the outcome of Major replantation, ISSHCON 2024, 5 October 2024, Clarks Exotica Hotel
2. Major replantation- step by step (how do I do it, video presentation), ISSHCON 2024, 6 October 2024, Clarks Exotica Hotel
3. Tips & Tricks for optimizing the outcome of major replantation, BJAPSICON 2024), 18 October 2024, Hotel Wave International
4. Free flaps in Children: Indications & outcomes, BJAPSICON 2024), 19 October 2024, Hotel Wave International
5. How to run a successful plastic surgery practice after residency, BJAPSICON 2024, 19 October 2024, Hotel Wave International
6. Free flaps in burns- defining the indications and outcome, APSICON 2024, 12 September 2024, Le Meridien, Coimabatore
7. 3-D Printing and planning in rhinoplasty, AIIMS Aesthetic surgery update 2024, 14 December 2024, Department of Plastic, Reconstructive & Burns Surgery & CTRF, JPNATC, New Delhi
8. Surgical approach in upper birth brachial plexus palsy, APSI Accredited CME, Module-23, Brachial Plexus Injury), 7 December 2024, Livestreamed from Trichur
9. Gracillis Muscle Flap, AIIMS extremity Flap dissection course 2024, 29 March 2025, Department of Plastic, Reconstructive & Burns Surgery & CTRF, JPNATC, New Delhi
10. Free Flaps in Burns, NABICON 2025, 13 February 2025, Hotel Krishna palace

Shivangi Saha

1. Profunda Artery perforator flap, Extremity Flap Dissection and Microsurgical Training Course, 30–31 March 2025
2. Microvascular Instruments and flap dissection, Extremity Flap Dissection and Microsurgical Training Course, 30 – 31 March 2025
3. Innovative Rhinoplasty Techniques for Binder Syndrome: Beyond Traditional Approaches, APSICON, 10–14 September 2024
4. Botulinum toxin for Facial Rejuvenation, AESURG, 5-9 March 2025
5. Transgender Breast augmentation, AESURG, 5-9 March 2025
6. How to design title, introduction, aim/objectives & review, Workshop on Research Methodology, 6–8 August 2024
7. Surgical anatomy of Nose, AIIMS Aesthetic Surgery Update, 13-15 December 2024
8. Anatomy of Breast, AIIMS Aesthetic Surgery Update, 13-15 December 2024
9. Neuromodulators for facial rejuvenation, AIIMS Aesthetic Surgery Update, 13-15 December 2024

Aparna Sinha

1. Initial assessment of Burns, Advanced emergency burn management training for doctors, under MoHFW- National programme for prevention and management of trauma and burns injuries, 5 February 2025,
2. Burns Resuscitation, Advanced emergency burn management training for doctors, under MoHFW- National programme for prevention and management of trauma and burns injuries, 5 February 2025,

3. Skill demonstration in burns, Advanced emergency burn management training for doctors, under MoHFW- National programme for prevention and management of trauma and burns injuries, 5 February 2025,
4. Inhalational injury, Advanced emergency burn management training for doctors, under MoHFW- National programme for prevention and management of trauma and burns injuries, 6 February 2025,
5. Paediatric burn, chemical burns, electrical burns, Advanced emergency burn management training for doctors, under MoHFW- National programme for prevention and management of trauma and burns injuries, 6 February 2025,

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
121	18	40

List of oral papers/posters presented: 8

1. Chauhan S, Singhal M, Kumar N, Kamble SS, Singh, G et al, Understanding Chemical Burns: Insights from North India Burns Centre, ISBI BBA 2024, 18–22 August 2024, Birmingham
2. Dr Manju R, Dr Raj Kumar Manas, peripheral nerve tumour, ISSHCON 2024, Bangalore, 7 October 2024, Bangalore
3. Dr Raj Kumar Manas, Free Flaps in upper limb- Indications and outcome (ISSHCON 2024, Bangalore), ISSHCON 2024, 6 October 2024, Bangalore
4. Dr Raj Kumar Manas, Vascularized free sural nerve graft: redefining the technical details and outcome, APSICON 2024, 12 September 2024, Coimbatore
5. Dr Raja Tiwari, Dr Shashank Chauhan, The robotic assisted Supraclavicular Exploration and Nerve transfer for brachial plexus palsy, RAMSES 2024, 7 November 2024, Singapore
6. Dr Saugata S, Dr. Raj Kumar Manas, A study to evaluate elbow function following modified QUAD surgical procedure in patients with birth brachial plexus palsy, ISSHCON 2024, Bangalore, 8 October 2024, Bangalore
7. RM, Tiwari R, Sinha A, Comprehensive Strategies for Scalp Defect Coverage in Burn Wounds: A Retrospective Study in a Tertiary Care Setting, ISBI, 18-22 August 2024, Birmingham, UK
8. Sinha A, Chauhan S, Singhal M, Technologies and Instrumentation in Liposuction, AIIMS Aesthetic Surgery Update 2024, 15 December 2024, Delhi

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
88	57	8

RESEARCH

Funded projects

Ongoing

1. Development and evaluation of device for real-time monitoring of vascular perfusion in transferred tissue, Maneesh Singhal, DST-JSPS, 2 Years, 2022-2024, Rs 8.8 Lakhs
2. Development of an Artificial-Intelligence Tool for Standardized Remote Management of Hand Fractures, Shivangi Saha, DST, 2 Years, 2024-2026, Rs 28.36 Lakhs
3. Development of easy-to-use fibrin-based rapidly acting bleeding control biopolymer sheet, Surendra Kumar Verma, Scientist, ICMR, 3 Years, 2024-2027, Rs 2.4 Crores
4. Development of training model for delineation of vascular supply relevant to reconstructive surgical procedures of face and hand: A novel method of cadaver processing, Maneesh Singhal, ICMR, 2 Years, 2022-2024, Rs 81.82 Lakhs
5. Evaluation of inflammatory salivary biomarkers as a surrogate indicator of systemic response to thermal burn injuries: an observational study, Shashank Chauhan, ICMR – Ad Hoc Scheme (Oral Health), 3 Years, 2023-2026, Rs 76.92 Lakhs

6. Evaluation of novel dipstick based molecular techniques for early detection of Gram-negative ESKAPE (KAPE) organisms and antimicrobial resistance genes in burn wounds., Shivangi Saha, ICMR, 3 Years, 2024-2027, Rs 1.44 Crores
7. Evaluation of outcome of three-dimensional printing model and simulation program for post-traumatic nasal deformities correction, Raj Kumar Manas, AIIMS Intramural, 2 Years, 2022-2024, Rs 5 Lakhs
8. National Programme for Prevention & management of Trauma & Burn Injuries (NPPMT&BI), Dr. Maneesh Singhal, MoHFW, 2 Years, 8 January 2025-31 March 2026, Rs 3.2 Crore
9. Pilot Study on utility of Robotic surgery for Brachial plexus reconstruction, Raja Tiwari, ICMR, 2 Years 2022-2024, Rs 29.50 Lakhs
10. Post Burn Scars and Contractures: A hospital-based study of the burden of disease, socioeconomic and clinical factors affecting the outcome, and steps to mitigate them, Shashank Chauhan, ICMR – Ad Hoc Scheme (Trauma & Burns), 2 Years, 2023-2025, Rs 68.28 Lakhs
11. Prevalence of cyanide poisoning in victims of burn injuries – A Hospital based study, Shashank Chauhan, ICMR – Ad Hoc Scheme (Poisoning), 3 Years, 2023-2026, Rs 65.05 Lakhs
12. Proteomic-based Outcome Biomarker Exploration in ESKAPE Organism Sepsis in Major Burns (PROBESCAPE), Shivangi Saha, Intramural, 2 Years, 2024-2026, Rs 9.99 Lakhs
13. To conduct pre-compliance, gap analysis, and clinical tolerability study of biomimetic silk fibroin-based wound healing dressing (WoUnder Patch) for Diabetic foot ulcers (DFUs), Dr Maneesh Singhal, ICMR Intermediate grant, 3 Years, 2025-2028, Rs 5.65 Crore

Completed

1. Pilot Study on Vascular labelling of extra-cranial head and neck vessels using silicone dye injection: Avoiding danger zones during interventions., Raja Tiwari, AIIMS Intramural, 1 Year, 2022-2024, Rs 4,95,300

Departmental projects (including thesis/dissertations)

Ongoing

1. A prospective cohort study to establish correlation between high frequency USG and ICG fluorescence imaging in the diagnosis of lymphedema - a pilot study.
2. An ambispective study to evaluate the outcome of the modified quad surgical procedure in patients with birth brachial plexus injury for improving shoulder function(ongoing)
3. Analysis of the disease burden of post burn scars and contractures, the socio-economic and clinical factors affecting their outcome and steps to mitigate them
4. Breast reconstruction expectation module among the women
5. Evaluating the efficacy of various dermal substitutes in conjunction with stsg versus skin graft alone for post-burn recovery: a pilot randomized controlled trial
6. Evaluation of functional outcome of spinal accessory nerve to suprascapular nerve transfer for restoration of shoulder function in traumatic brachial plexus injury: an ambispective study
7. Evaluation of inflammatory salivary biomarkers as a surrogate indicator of systemic response to thermal burn injuries
8. Evaluation of prevalence of cyanide poisoning in patients of flame burn injuries admitted at a tertiary health care facility
9. Seeking breast reconstruction
10. Surgical management of fibroadipose vascular anomaly (fava)- a retrospective study
11. To assess the psychosocial, sexual, and quality of life parameters in transgender population seeking gender affirmation procedures
12. To study the reliability of surgeon-conducted colour doppler ultrasound with intraoperative alt free flap perforator mapping- a prospective cohort study
13. Tool for acquisition of robotic-microsurgery skill

14. Translation and cross cultural validation of the breast q
15. Use of thermography to guide the level of amputation in cases of electric contact burns- an observational study
16. Validating the role of the ds-microtrainer as a training

Completed

1. A prospective observational study to assess the utility of da vinci xi robotic system for brachial plexus exploration and reconstruction.
2. Correlation of serum biomarkers with severity and outcomes in burns.
3. Development of training model for delineation of vascular supply relevant to reconstructive surgical procedures of upper limb: a novel method of cadaver
4. Epidemiology of congenital upper limb anomalies in single center- an ambispective study
5. Epidemiology of hand injuries in single-center (JPNATC-AIIMS- a prospective & retrospective study)

Collaborative projects

Ongoing

1. Capacity Building of Doctors and Hospital Engineers in Structural and Non-Structural Mitigation Measures for Hospital Safety and Disaster Resilience., Department of Hospital Administration, funded by MoHFW
2. Development and evaluation of device for real-time monitoring of vascular perfusion in transferred tissue, Hiroshima University under DST - JSPS
3. Intraarticular injection of Autologous adipose derived stromal vascular fraction or hyaluronic acid for treatment of symptomatic knee osteoarthritis: A Randomized controlled trial, Department of Orthopedics/ AIIMS, New Delhi
4. Surgical Innovation Laboratory (SIL) for advancing Patient care, Education and Research., JPNATC, AIIMS under ICMR – CoE

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024-25
Total funded projects	9	15	17
Total funding	Rs 2.50 Crores	Rs 8.55 Crores	Rs 16.43 Crores

Publications

Journals: 22 **Chapters in Book: 01**

Publication over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**19**	**25**	**23**

PATIENT CARE

Item	2022–2023	2023–2024	2024–2025
OPD consultations	27592	30460	27,068
Special clinic consultations			
Patients provided rehabilitation services	7,842	9,136	6,727
Total inpatient admissions	3,337	3,767	3,349
Laboratory Investigations			36,197

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Maneesh Singhal received The National Transgender Awards. He was Editor - Indian Journal of Medical Research and International Journal of Ayurveda Research.

Dr Raja Tiwari received "Best Case Award 2024" given by RAMSES 2024 to the overall best oral presentation performed in that year. Awarded during the annual conference of Robotic Assisted Microsurgical and Endoscopic Society Symposium held at Singapore 2024.

Dr Shashank Chauhan was Member, Expert Advisory Committee, "National Capacity Building of Doctors and Hospital Engineers in Structural and Non-Structural Mitigation Measures for Hospital Safety and Disaster Resilience" under the Disaster Management Cell, Ministry of Health and Family Welfare, Government of India as part of the "Health Sector Disaster Preparedness and Response" initiative.

Dr Raj Kumar Manas received award 'International Outstanding Researcher Award' for the research and excellence in Plastic, Burns & Microsurgery at ISSN International Research Awards and Congress 2024. He was Reviewer of the Journal of Peripheral Nerve Surgery & Indian Journal of Plastic Surgery. He Conducted NABI Podcast 2024- a total of 9 research articles were discussed in the podcast as part of NABI academics. He was External expert- selection committee for Assistant Professor, Lady Harding Medical College, New Delhi & associated Hospital. He was Invited faculty to ISSHCON 2024 (the annual conference of the Indian Society for Surgery of the Hand). Apart from the faculty lecture, also participated in the Tendon repair workshop as an Instructor. He was Invited faculty, panelists and chairpersons in BJAPSICON 2024 delivered guest lectures. He was Invited faculty & chairperson in AIIMS Aesthetic Surgery Update 2024. He was Invited faculty & speaker in APSI accredited CME(Module-23) on Brachial plexus Surgery. He was Invited faculty& chairperson in NABICON 2025, National annual conference of the National Academy of Burns-India, moderated the panel discussion on how the burn society molds burns care, also chaired the session of junior best paper session. He was Invited faculty in extremity flap dissection course & Microsurgery training programme in AIIMS Delhi, demonstrated flaps on cadaver & micro vessels anastomosis in lab. He was Invited panelist & faculty in APSICON Plastiquest2024, online plastic surgery PG teaching programme. He was Invited faculty, chairperson in APSICON 2024, the annual conference of the Plastic Surgeons of India. He was Invited panelist for PLASTIQUEST-challenge in Burns- an online plastic surgery PG competition.

Dr Shivangi Saha was Awarded the Amritsar APSICON 2022 International Traveling Fellowship. She was Serving as Deputy Editor of the Indian Journal of Plastic Surgery (IJPS). She was Serving as the Joint Secretary of the Indian Association of Aesthetic Plastic Surgeons (IAAPS). She was Committee member for AESURG, 5-9 March 2025. She was Serving as Associate Editor of the International Journal of Aesthetic Plastic Surgery. She was Serving as Associate Editor for the BMC Plastic Surgery Journal.

VISITING SCIENTISTS

1. Mrs Reena Bhardwaj, Sci C, National Institute of Pathology, Delhi visiting a Centre of ICMR (Department of Burns and Plastic, Reconstructive Surgery, All India Institute of Medical Sciences, New Delhi) for a 2-week observership
2. Dr Swati Joshi, Scientist B, National Institute of Occupational Health, Ahmedabad, visiting a Centre of ICMR (Department of Burns and Plastic, Reconstructive Surgery, All India Institute of Medical Sciences, New Delhi) for a 2-week observership
3. Dr Manoj M L, Scientist B, National Institute of Traditional Medicine (NITM), Belagavi visiting a Centre of ICMR (Department of Burns and Plastic, Reconstructive Surgery, All India Institute of Medical Sciences, New Delhi) for a 2-week observership
4. Dr Anbazhagan S, Scientist C, National Animal Resource Facility for Biomedical Research, Hyderabad, visiting a Centre of ICMR (Department of Burns and Plastic, Reconstructive Surgery, All India Institute of Medical Sciences, New Delhi) for a 2-week observership
5. Dr Kevin C Chung Research in Plastic Surgery Professor of Surgery, Plastic Surgery Department, University of Michigan Medical School 13 September 2024
6. Dr Gregory Nikolas MD, Plastic Surgeon, Body Contouring in massive weight loss, Brazil, University of São Paulo (USP) 13 November2024
7. Dr Marcelo Olivan MD, Plastic Surgeon "Microlift in face lift surgeries" University of Sao Paolo, Octeber Plastic surgery guest lectures 5-6 October 2024

8. Dr Kavitha Ranganathan Assistant Professor, Harvard Medical School; Associate Surgeon, Brigham and Women's Hospital, "Transgender facial feminization surgeries", 21-23 December 2023
9. Dr Bhagwat Mathur, Consultant Plastic Surgeon, St Andrew's Centre for Plastic Surgery and Burns, Broomfield Hospital Chelmsford gives talk on "Inverted nipple corrections" 28-29 March 2025
10. Dr Jeyaram R Srinivasan, Surgeon of BMI Beardwood Hospital gives talk on "Breast Augmentation and Reduction" 15-17 March 2025
11. Dr Maniram Ragbir Consultant Plastic Surgeon at the Newcastle upon Tyne Hospitals NHS Foundation Trust gives talks on Multidisciplinary management in Sarcoma, 20-21 February2025

9.35 Psychiatry

Professor and Head

Pratap Sharan

Professors

Bichitra Nanda Patra
Nand Kumar
Rajesh Sagar
Rohit Verma
Koushik Sinha Deb
Mamta Sood
Raman Deep
Sujata Satapathy (Clinical Psychology)

Additional Professor

Gagan Hans

Associate Professor

Vaibhav Patil
(Neuropsychiatry, Neuroscience Centre)

Assistant Professors

Barre Vijay Prasad
(Clinical Psychology)
Swati Kedia Gupta
(Clinical Psychology, National Center for Ageing)
Nishtha Chawla
(JPNATC)
Preethy K
(National Center for Ageing)

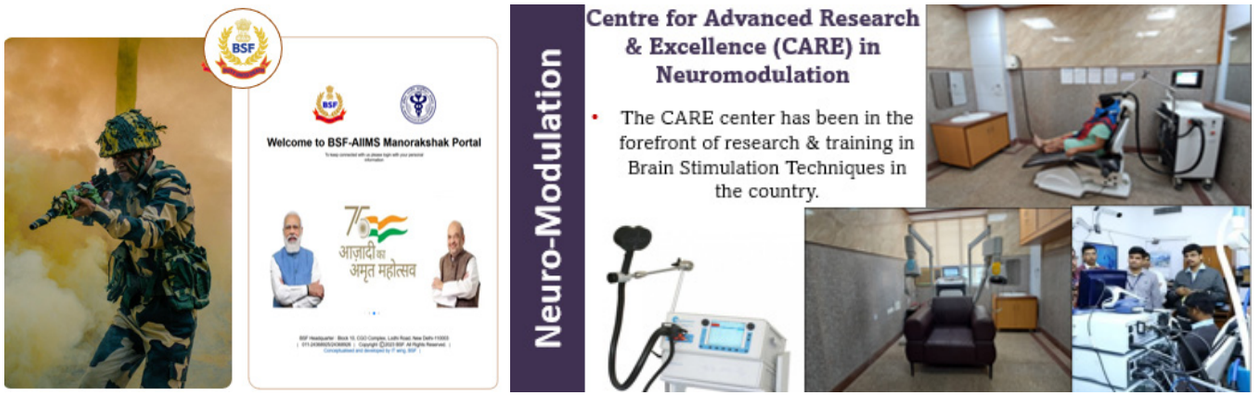
Child Psychologist

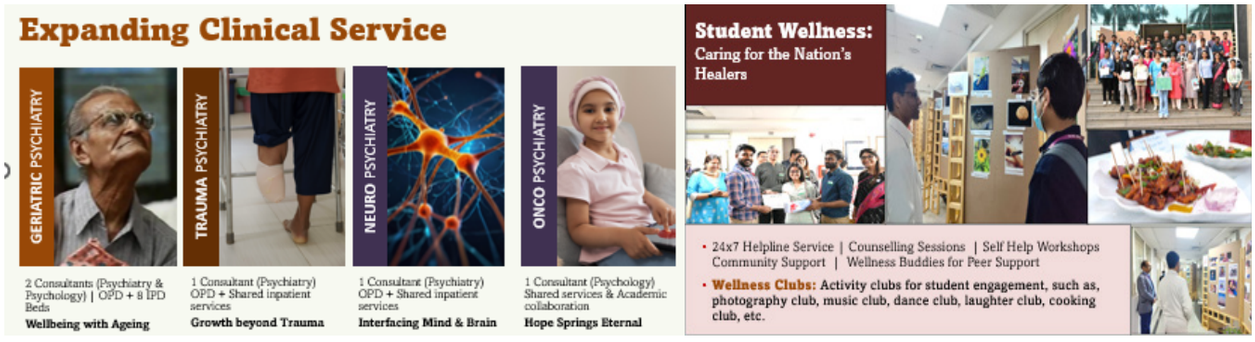
Renu Sharma

HIGHLIGHTS

The Department of Psychiatry has been at the forefront of imparting quality training for MD (Psychiatry), PhD (Psychology) and MBBS students and also actively participates in the training programmes for BSc/MSc nursing as well as residents from the departments of Medicine, Geriatric Medicine, Emergency Medicine, Palliative Medicine, and DM Neurology. A new DM Program in Psychosomatic Medicine has been started. The Department of Psychiatry has a rich tradition of research and is currently executing several key funded research projects in collaboration with Department of Science and Technology, India (DST), WHO, ICMR and several other international agencies. The Department successfully organized several key events in the year including AIIMS - NAMS Joint CME on 'Cancer Pain: Holistic Management' on 28 April 2024, AIIMS - Global Mental Health Academy – Columbia WHO Center for Global Mental Health 'ICD-11 Diagnostic Requirements for Mental, Behavioral and Neurodevelopmental Disorders: An Online Comprehensive Course' online on 13-14 July 2024, 5th & 6th Hands-on-Workshop & 9th National CME on Neuromodulation (rTMS) on 24-26 October 2024 & 19-21 December 2024, respectively, 1st National Conference on Psychotherapeutic Assessments and Intervention in Psycho-Oncology on 3-5 January 2025 and 3rd National Mid-Term CME, Indian Association for Child and Adolescent Mental Health (IACAM) on 8-9 February 2025 besides some other events like public lectures and Students' Wellness workshops. The Department runs daily walk-in and follow-up clinics in addition to weekly specialty clinics for rTMS, child and adolescent psychiatric disorders, psychosomatic disorders, common mental disorders, severe mental disorders, dual diagnosis disorders, and brain stimulation.

Photographs







EDUCATION

Organized the following conferences/workshops

- Interactive session with Prof Dost Öngür, Editor, JAMA Psychiatry titled 'Medical Publishing' (Online, 2 April 2024)
- AIIMS - NAMS Joint CME on 'Cancer Pain: Holistic Management' (28 April 2024, New Delhi)
- AIIMS - Global Mental Health Academy – Columbia WHO Center for Global Mental Health 'ICD-11 Diagnostic Requirements for Mental, Behavioral and Neurodevelopmental Disorders: An Online Comprehensive Course' (13-14 July 2024, Online)
- Capacity Building Training Program for BSF Medical Officers and Paramedical Staff (3 batches) (20-24 August 2024, 2-7 December 2024, 24-29 March 2025, New Delhi)
- Self-enrichment Workshop during CREST Program for 1st Year MBBS Students (3-8 September 2024, AIIMS, New Delhi)
- Mentorship Workshop during CREST Program (9 September 2024, AIIMS, New Delhi)
- Self-enrichment Workshop (Orientation Programme) for new BSc (Hons) Nursing students (19-20 September 2024, AIIMS, New Delhi)
- Stress Management Programme for BSc (Hons) Nursing students (3 batches) (21 September 2024; 28 September 2024; 5 October 2024, Rajkumari Amrit Kaur College of Nursing, New Delhi)
- Panel Discussion titled 'An Ear to the Ground: Listening to the Stakeholders at AIIMS' on the World Mental Health Day (10 October 2024, AIIMS, New Delhi)
- Stress Management Workshop for ICMR employees on World Mental Health Day (10 October 2024, New Delhi)
- Student Wellbeing and Mental Health Workshop (15 October 2024, National Law University, New Delhi)
- 5th Hands-on-Workshop on Neuromodulation (rTMS), (24-26 October 2024, New Delhi)
- 6th Hands-on-Workshop & 9th National CME on Neuromodulation (rTMS) (19-21 December 2024, New Delhi).
- Self-enrichment Workshop (Resident Wellness Programme) for 1st year PG students (15 November 2024, AIIMS, New Delhi)
- 1st National Conference on Psychotherapeutic Assessments and Intervention in Psychooncology (1st NCPO2025) from 3-5 January 2025
- 3rd National Mid-Term CME, Indian Association for Child and Adolescent Mental Health (IACAM), NDDTC and Department of Psychiatry (8-9 February 2025, AIIMS, New Delhi)
- Stress Management and Wellness Buddies Workshop (22 February 2025, New Delhi)
- Training of Master Training programme for BSF (16-18 March 2025, New Delhi)

Lectures delivered at CMEs, National and International conferences

Lectures delivered: 193

Pratap Sharan: 44	**Rajesh Sagar: 58**	**Nand Kumar: 6**	**Mamta Sood: 8**
Raman Deep: 5	**Sujata Satapathy: 10**	**Koushik Sinha Deb: 12**	**Rohit Verma: 4**
Gagan Hans: 7	**Barre Vijay Prasad: 6**	**Swati Kedia Gupta: 5**	**Nishtha Chawla: 6**
Preethy K: 17	**Renu Sharma: 5**		

Pratap Sharan

1. Innovations in Psychiatry: Introduction to CME, 1st Midyear Conference of the IPS North Zone, 7 April 2024**,** New Delhi
2. Social Connection, Annual Mid Term CME of Indian Association for Social Psychiatry (IASP), 20-21 April 2024, Srinagar
3. Why are younger psychiatrists disillusioned by classification systems?, Indian Association of Private Psychiatrists (IAPP) Midterm CME, 27-28 April 2024, Gurugram
4. Bio-psycho-social model of pain; need for interdisciplinary approach, AIIMS-NAMS Joint CME on 'Cancer Pain: Holistic Management', 28 April 2024, New Delhi

5. Personality disorders, AIIMS- Global Mental Health Academy - Columbia-WHO Center for Global Mental Health 'ICD-11 Diagnostic Requirements for Mental, Behavioural and Neurodevelopmental Disorders: An Online Course', 13-14 July 2024, New Delhi
6. Deliberate Self Harm/ Suicide in Children and Adolescents, Indian Association for Child and Adolescent Mental Health (IACAM) Academy, 27 July 2024, Online
7. Cultural Issues in Psychopharmacology: Ethnopsychopharmacology, CME on Precision Medicine "OMICS for the CLINICS: A Precision Medicine Primer", 13-14 August 2024, Bhopal
8. Introduction: mental disorders in primary and general health care, Capacity Building Training Program for BSF Medical Officers and Paramedical Staff (3 batches), 20-24 August 2024, 2-7 December 2024, 24-29 March 2025, New Delhi
9. Case demonstration of common mental disorders, Capacity Building Training Program for BSF Medical Officers and Paramedical Staff (2 batches), 2-7 December 2024, 24-29 March 2025, New Delhi
10. Revisiting ICD-11 (WHO), Workshop on 'Revisiting the current psychiatric nosology considering its relevance to South Asia', 24 August 2024, Kolkata
11. Guidelines for the health of trans & gender diverse people, Guideline Development Group Meeting for the Guideline on the Health of Trans and gender Diverse People, 28-30 August 2024, Cape Town, South Africa
12. Mental health concerns among medical undergraduates, Self-enrichment Workshop during CREST Program for 1st Year MBBS Students, 3-8 September 2024, New Delhi
13. Students' wellness services: role of teachers-mentors, Mentorship Workshop during CREST Program, 9 September 2024, New Delhi
14. High Stake Exams: Mental Health & Wellbeing, Online CME Series of Indian Psychiatric Society - North Zone - Special session on 'World Suicide Prevention Day', 10 September 2024, Online
15. Mental health concerns among nursing undergraduates, Self-enrichment Workshop (Orientation Programme) for new BSc (Hons) Nursing students, 19-20 September 2024, New Delhi
16. Nursing students' wellness, Stress Management Programme for BSc (Hons) Nursing students (3 batches) (RAK College of Nursing), 21 September 2024; 28 September 2024; 5 October 2024, New Delhi
17. Address by AIIMS, Mental health programme support to Ministry of Health (RKSK/ SHWP/ Perinatal mental health/mapping for youth mental health etc.) with or without partnership (currently) with UNICEF, 27 September 2024, New Delhi
18. ICD and Culture Issues, 49th Annual Conference of IPS-North Zone, 28-29 September 2024, Bikaner
19. Health Scholars' Wellness: Experiences from AIIMS, Nursing Conclave, Wolters Kluver & DGHS, 4 October 2024, New Delhi
20. University Scholars' Wellness: Experiences from AIIMS, Symposium on 'High-Risk Behavior in Adolescents and Young Adults' during the Mental Health Week Celebration at Manav Rachna International Institute of Research and Studies, 7-10 October 2024, Faridabad
21. Fostering Emotional Resilience, College of Nursing, AIIMS Workshop on 'Time to Prioritize Mental Health at Workplace', 9 October 2024, New Delhi
22. Mental health concerns among medical professionals and researchers, Stress Management Workshop for ICMR employees on World Mental Health Day, 10 October 2024, New Delhi
23. Time to prioritize mental health in the workplace, 11th edition of the Mental Health Festival 2024 of the Mental Health Foundation of India, 10 October 2024, New Delhi
24. Mental health issues in professional scholars, Student Wellbeing and Mental Health Workshop at National Law University, 15 October 2024, New Delhi
25. Transcultural Psychiatry, National Board of Examinations Master Series: Psychiatry webinar, 16 October 2024, Online
26. Self-harm in children and adolescents, Malaviya Mission Teacher Training Centre, Jamia Millia Islamia Refresher Course in 'Basic Sciences', 26 October 2024, Online
27. Promoting mental health and preventing suicide among students and young professionals, 5th Indian Association of Preventive and Social Medicine Young Leaders' National Conclave, 9-10 November 2024, New Delhi

28. Mental health concerns among resident doctors, Self-enrichment Workshop (Resident Wellness Programme) for 1st year PG students, 15 November 2024, New Delhi
29. Psychiatry CBME Across UG, PG and Subspecialty Training: Collaborating with NMC—Current Progress and Future Directions, National Conference on Psychiatry Teaching Learning Practices: Indian Teachers of Psychiatry Forum of the Indian Psychiatric Society (IPS) UG & PG Education Subcommittee, 16-17 November 2024, Bangalore
30. Psychotherapy training in India: CBME, National Conference on Psychiatry Teaching Learning Practices: Indian Teachers of Psychiatry Forum of the Indian Psychiatric Society (IPS) UG & PG Education Subcommittee, 16-17 November 2024, Bangalore
31. Nursing students' wellness, Wellness Programme for 1st year BSc (Hons.) Nursing Students at College of Nursing (LHMC & SSKH, New Delhi), 19 November 2024, New Delhi
32. Personality disorders in ICD-11, Annual Conference of the Chhattisgarh Psychiatric Society, 21-22 December 2024, Raipur
33. Psychopathology of personality disorders, Annual Conference of the Chhattisgarh Psychiatric Society, 21-22 December 2024, Raipur
34. Overview: Mental health of cancer patients - issues & concerns, 1st National Conference on Psychotherapeutic Assessments and Intervention in Psychooncology (1st NCPO2025), 3-5 January 2025, New Delhi
35. Mental health: Role of Nursing Faculty, Nursing Division, DGHS Mental Health Champion ECHO TOT Program, 10 January 2025, Online
36. Evidence based psychotherapies for personality disorders, Delhi Psychiatric Society Annual Conference, 12 January 2025, Gurugram
37. How to address mental health issues among tribal people: Keynote address, National Tribal Health Conclave, Ministry of Tribal Affairs, 20 January 2025, New Delhi
38. Psychotherapy: On contested spaces and historical divides, 76th Annual National Conference of IPS, 22-25 January 2025, Hyderabad
39. Introduction to the program, Stress Management and Wellness Buddies Workshop, RAK College of Nursing, New Delhi, 22 February 2025, New Delhi
40. Perspective on stress, Stress Management and Wellness Buddies Workshop, RAK College of Nursing, New Delhi, 22 February 2025, New Delhi
41. Role of Yoga and Meditation in Depression. 1st International Conference on Advances in Integrative Medicine, Centre for Integrative Medicine & Research, AIIMS, 7-8 March 2025, New Delhi
42. Gender differences in work-life balance, Workshop on Achieving Work-life Balance and Overcoming Health Challenges of Working Women on the International Women's Day (National Statistics Office), 11 March 2025, Delhi
43. Introduction to Mental Health Concepts, Training of Master Training programme for BSF, 16-18 March 2025, New Delhi
44. Common Mental Disorders (CMDs), Training of Master Training programme for BSF, 16-18 March 2025, New Delhi

RAJESH SAGAR

1. Research in mental health-the need and opportunities for young psychiatrists**,** Institute of Psychiatry – Centre of Excellence, Kolkata**,** 1 April 2024**,** Kolkata
2. Child and Adolescent Mental Health and Services in India: Developments and policy issues, CME on the occasion of World Autism Awareness Day and second anniversary of CAMHS, AIIMS, Kalyani, 2 April 2024, Kalyani
3. Strategies of Management of Stress amongst PG Students, Joint AIIMS -NAMS Navigate CME Programme for Postgraduates by National Academy of Medical sciences (NAMS), 5 April 2024, New Delhi
4. Report of Task force on Mental Stress, 64th Foundation Day of the National Academy of Medical Sciences (India), 21 April 2024, New Delhi

5. Updates in the assessment and Certification of Autism: Focus on ISAA and INCLEN, CME on Autism: Clinical Pearls of Wisdom from Psychiatrist's Perspective conducted by ESIC Medical College, Hyderabad, 13 April 2024, Online
6. Understanding Psychosocial needs of Disaster survivors, Emergency Health Management & Psycho-social Support in Disaster Situation at Haryana Institute of Public Administration (HIPA), Gurugram, 2 May 2024, Gurgaon
7. Understanding Life Event & Behaviour, Emergency Health Management & Psycho-social Support in Disaster Situation at Haryana Institute of Public Administration (HIPA), Gurugram, 2 May 2024, Gurgaon
8. Stress Management Strategies for Leaders, 2nd NAMS Leadership Development National Conference by the National Academy of Medical Sciences, Delhi, 10 May 2024, NAMS, Delhi
9. Key issues in the implementation of NMHP and future directions, National workshop organized by L.G.B. Regional Institute of Mental Health (LGBRIMH), Tezpur, Assam, 11 May 2024, Online, Tezpur
10. A Cross-Cultural Perspective of Autism Spectrum Disorders, 26th World Congress of International Association of Child & Adolescent Psychiatry & allied Professions (IACAPAP) 2024, 20 – 24 May 2024, Rio de Janeiro, Brazil
11. Donald J Cohen Fellowship Alumni Symposium, IACAPAP-2024, 26th World Congress of International Association of Child & Adolescent Psychiatry & allied Professions (IACAPAP) 2024, 22 May 2024, Rio de Janeiro, Brazil
12. Assessment of emotional and behavioral problems and quality of life among children and adolescents (CAP) with cleft lip/palate (CLP), 26th World Congress of International Association of Child & Adolescent Psychiatry & allied Professions (IACAPAP) 2024, 23 May 2024, Rio de Janeiro, Brazil
13. Understanding Clinical Symptoms, Depression, Anxiety (general anxiety disorder) and psychosomatic aspects. Training session for volunteers & fellows organized by SNEHI, NGO, Delhi, 29 May 2024, Delhi
14. Management of Stress among Healthcare Leaders, NAMS-National Leadership development (LEAD) Programme-follow up of 2nd LEAD program, 29 June 2024, New Delhi
15. Stress Management Strategies for Leaders, 3rd NAMS Leadership Development National Conference by the National Academy of Medical Sciences, Delhi, 5 July 2024, New Delhi
16. Mental Health in Adolescents, COVID-19 pandemic impact, Aggression, Violence /injuries, Substance misuse issues in Adolescents, TOT of Medical Officers on Adolescent Friendly Health Services and DISHA Clinics for the Delhi government, 10 July 2024, Delhi
17. Promotion of Safe Use of Internet, Gadgets and social media, TOT of Medical Officers on Adolescent Friendly Health Services and DISHA Clinics for the Delhi government, 10 July 2024, Delhi
18. Work Stress Management at Workplace, INSA-NCGG Leadership Development in Science and Technology (LEADS)-2024 Program (Third Batch)-initiative of Indian National Science Academy (INSA), and National Centre for Good Governance (NCGG), 11 July 2024, New Delhi
19. Training in mental health and neurosciences – broadening horizons and deepening competencies, NIMHANS Alumni Conference-2024- "NIMHANS VISION 2047". 13 July 2024, Bengaluru
20. Reflections on Psychological First Aid, Capacity building on Psychological First Aid for first responders, organized by India Child Protection at the Constitution Club, 31 July 2024, Delhi
21. Youth Mental Health and Digital Technology, Annual Conference of Indian Psychiatric Society-Madhya Pradesh State Branch- MPPSYCON-2024, 3 August 2024, Bhopal
22. Challenges, shortcomings and scope for improvement in MHCA 2017, Annual Conference of Indian Psychiatric Society-Madhya Pradesh State Branch MPPSYCON-2024, 3 July 2024, Bhopal
23. Suicide Prevention, Annual Conference of Pushpanjali Medical Centre (Pushpanjali Medicon 2024), 4 August 2024, Delhi
24. School Mental Health -our experience, MID TERM CME organized by Delhi Psychiatry Society, 25 August 2024, Delhi
25. Drivers Impacting Youth Mental Health and Suicide Prevention, Invited lecture at Sikkim INSPIRES Youth Mental Health & Suicide Prevention Government Stakeholders Consultation, 9 September 2024, Gangtok

26. Suicide Prevention, Symposium on the occasion of World Suicide Prevention Day by the Indian Medical Association (IMA), 10 September 2024, Delhi
27. Alzheimer's disease: Current Status and Management, Dialogues in Health and Wellness" by the India International Centre (IIC), 13 September 2024, Delhi
28. Activities of National Academy of Medical Sciences (India), CME Programme on Consultation Liaison Psychiatry-Bridging Gaps Between Specialties 2024, 14 September 2024, Delhi
29. Importance of Child & Adolescent Mental Health in India, 3rd International Conference on Child and Adolescent Mental Health (ICCAMH) 2024, Kathmandu, Nepal, 1 October 2024, Kathmandu, Nepal
30. Identification & management of adolescents issues in Post-COVID COVID Era-Experiences from India, 3rd International Conference on Child and Adolescent Mental Health (ICCAMH) 2024, Kathmandu, Nepal, 1 October 2024, Kathmandu, Nepal
31. High Risk Behaviour in Adolescents and Young Adults, World mental health week by Manav Rachna University, Faridabad, 7 October 2024, Faridabad
32. Epidemiology of mental illness, Diamond Jubilee CME 2024organized by G B Pant Institute of PG Medical Education and Research (GIPMER) &MAMC, New Delhi, Theme: Mental Health at Workplace, 8 October 2024, New Delhi
33. Time to prioritise mental health in the workplace, Hamdard Institute of Medical Sciences & Research (HIMSR)& HAHC Hospital, Delhi, on the occasion of World Mental Health Week, 8 October 2024, Delhi
34. Mental well-being at informal workplaces/challenges, opportunities, and inclusive solutions. World Mental Health Day, organized by the Ministry of Health and Family Welfare, Government of India, 10 October 2024, Delhi
35. Stress, anxiety and depression among adolescents: identification & prevention, Online workshop on Mental Health & Cyber Security on the occasion of World Mental Health Day by the Ministry of Education, 10 October 2024, Delhi
36. Psychological Evaluation in Facial Plastics cases, 6thAIIMS Facial Plastic Workshop & CME organized by Department of ENT, AIIMS &FRCSI, 11 October 2024, Delhi
37. Mental Health &Social Media, Session on the occasion of world mental health week organised by NCERT, Delhi, 11 October 2024, Delhi
38. Prioritise mental Health at Workplace, Session with police force on occasion of world mental health day-2024, by Indian Psychiatry Society-north zone, 11 October 2024, Online
39. Importance of Mental Health at Workplace. "Mental Health Workshop» organised to celebrate the World Mental Health Day 2024» organized by the ICMR, HQ, Delhi, 17 October 2024, Delhi
40. Mental disability, Conference on Opportunities & Challenges in Education for Persons with Disabilities (PwDs), 17 October 2024, Delhi
41. Management of psychosocial issues, Training Course on CBPHEM for District Health Officers Under the Central Sector Scheme, health sector Preparedness and response, 24 October 2024, Delhi
42. Diabetes and Wellness: Managing Health for a Better Life, Health program by the India International Centre (IIC), 14 November 2024, Delhi
43. Challenges in Psychiatry Residency, Symposium by organization "Healing Mind with Heart", 24 November 2024, Delhi
44. Digital mental health in youth, 4th annual conference of Association of Clinical Psychiatry (Indian Psychiatric Society-UP State Branch)-UPIPS, 30 November 2024, Jim Corbett
45. Perinatal Mental Health, Regional consultation with key stakeholders by George Institute for Global Health & University of Oxford, 04 December 2024, Faridabad
46. Yes, we can, International Day of Persons with Disabilities, organized by the Indian Psychiatry Society North Zone, 4 December 2024, Online
47. Stress among Children and Adolescents, National Conference on Mental Wellbeing: Navigating Stress from Classroom to Workplace by National Human Rights Commission at Vigyan Bhavan, 10 December 2024, Delhi
48. Mental Health & Human Rights- issues and concerns, Winter Internship Programme (WIP) organized by National Human Rights Commission, 27 December 2024, Delhi

49. Assessment of the Present, Symposium on "Critical Relevance of Psychiatry for Composite Health" at the 78th Foundation Day of the Indian Psychiatry society (IPS), 7 January 2025, Delhi
50. Mental Well-being and Metabolic Health - Understanding the Intricate Connect, International Conference Vishwa Swasthyam – 2025, 11 January 2025, Mumbai
51. Understanding Clinical Symptoms, Depression, Anxiety (general anxiety disorder) and psychosomatic aspects. Training session for volunteers & fellows organized by SNEHI, NGO, Delhi, 28 January 2025, Delhi
52. Policies and Financing Gaps in Child and Adolescent Mental Health, National CME of Indian Association of Child and Adolescent Mental Health (IACAM), 9 February 2025, Delhi
53. Mind Matters- online interaction with students, Indian Psychiatry Society North zone in collaboration with faculty of Education, Guru Nanak Dev University, Amritsar, 15 February 2025, Online
54. An intervention in urban slums in India, Addressing Adolescent Mental Health Using Life Skills Education: ANUMATI by George Institute for Global health, 20 February 2025, Delhi
55. Overview on ADHD, Training workshop for AIIMS MCCT (Manualised Cognitive Training Toolkit) at AIIMS, 25 February 2025, Delhi
56. Mobile App & student mental well-being, Launch of mobile application by Mansik Shakti Foundation in support with DGHS at Constitution Club, 18 March 2025, Delhi
57. Standard Treatment Workflows (STW) -Psychiatry, Standard Treatment Workflows: Training Program organized by ICMR, NHA, WHO (India), MoHFW, 19 March 2025, Delhi
58. Overview of autism, Training workshop on parent mediated intervention for children with autism, 29 March 2025, Delhi

Nand Kumar

1. dTMS and mECT current scenario for management of Treatment Resistant Depression, Scientific session on Neuromodulation in Psychiatry by Rajkot Psychiatric Society, 15 December 2024, Rajkot
2. Health, Humanity, Consciousness: Role of Breathing. Sages & Scientists Symposium, Scheduled for September at Sanders Theatre, Harvard University, 13-15 September 2024, Online
3. Recent advances in rTMS and tDCS for psychiatry indications, TNS (The Neuromodulation Society) Congress 2024, 16 November 2024. Bengaluru.
4. Changing narrative on Suicide, Public webinar on world suicide prevention day, 16 September 24, Delhi
5. Recent advances in rTMS and for psychiatry indications. CME & National Workshop Neuromodulation, TMS, AIIMS Delhi, 19 December 2024, New Delhi
6. Stress among children and adolescents', at the National Conference on Mental Wellbeing, National Human Rights Commission (NHRC), India in Vigyan Bhavan, 10 December 2024, New Delhi

Mamta Sood

1. Cultural underpinnings in clinical practice, PG-CME Program, 20-21 July 2024, Kolkata
2. Contribution of the state of Delhi to Psychiatry, 49th Annual -North Zone, 28-29 September 2024, Bikaner
3. Changing Generational Relationships in 21st Century, 31st National Conference of Indian Association of Social Psychiatry, 4-6 November 2024, Mysore
4. Indigenous Mental Health Concepts in Clinical Practice, WPA Zone 15 Symposium on Indigenous Mental Health Resources, 20 December 2024, Bodh Gaya
5. Gender Neutral Workplace, 21st Annual Conference of Association of Industrial Psychiatry, 21 December 2024, Bodh Gaya
6. WPA section on Psychiatry, Law and Ethics-WFMH (Asia Pacific) it is time to prioritize Mental Health in the workplace, 76th Annual National Conference of Indian Psychiatric Society, 23-24 January 2025, Hyderabad
7. Mobile technologies in mental health, Faculty Development Programme on AI and NLP in Health Care Research, 18 March 2025, Delhi
8. Adaptation of Avatar Therapy for India: The Indian Context, King's College London, 26-28 March 2025, London, UK

Raman Deep

1. Spotlight on Lithium Use in Bipolar Disorder: Part I: Evidence and Best Practices**,** Thursday Musings: Masterclass on therapeutics in psychiatry, supported by Indian Psychiatric Society Odisha Branch, 2 May 2024**,** Online
2. Spotlight on Lithium Use Part II: Fundamentals and Practical management, Thursday Musings: Masterclass on therapeutics in psychiatry, supported by Indian Psychiatric Society Odisha Branch, 6 June 2024, Online
3. Approach and Management of Psychotic disorders (Affective & Non affective), BSF Capacity Building Training Program (batch 2 & batch 3), 23 August 2024 and 3 December 2024, New Delhi
4. Bipolar disorder: Challenges in long-term course and treatment overview, National Board of Examinations (NBE) DNB Teaching Programme, 11 September 2024, Online
5. Safe lithium use in medically ill, BDICON Bipolar Disorders Conference 2025, 30 March 2025, Manipal

Sujata Satapathy

1. Role of Communication Skills in Pain Management**,** AIIMS-NAMS Joint CME on "Cancer Pain-Holistic Management"**,** 28 April 2024**,** New Delhi.
2. Emotional Intelligence, Training Programme on "Soft Skills for Healthcare Providers", 12-14 November 2024, New Delhi
3. PTSD: Trauma and Trauma-focused and trauma-informed Intervention, State-level Training of Trainers' Programme for School Counsellors on Psychological Trauma and Common mental Disorders", 19-21 December 2024, New Delhi
4. PTSD and Trauma-focused CBT Case formulation, State-level Training of Trainers' Programme for School Counsellors on Psychological Trauma and Common mental Disorders", 13-15 February 2025, New Delhi
5. Interpersonal Communication for improving trust between the patient and healthcare providers, Training Programme on "Gender-based Violence", 17-21 February 2025, New Delhi
6. Gender and Emotions: Stress Management for Medical officers, Training Programme on "Gender-based Violence", 17-21 February 2025, New Delhi
7. Long-Term Sequelae and the Importance of Psycho-Social and Support Groups, Pediatric Cancer survivorship symposium, 21 February 2025, New Delhi.
8. Manualized Cognitive Training Toolkit for cognitive deficits in Children with ADHD, National Training programmes on "A hands on training on MCTT for children with ADHD", 25 February 2025, New Delhi.
9. Transdiagnostic Trauma-focused Intervention: From Theory to Practice, State-level Training of Trainers' Programme for School Counsellors on Psychological Trauma and Common mental Disorders", 4-6 March 2025, New Delhi
10. Introduction to Parent-Mediated Intervention for Children with Autism, National Training Programme on "Parent-mediated intervention for children with autism, 27-29 March 2025, New Delhi.

Koushik Sinha Deb

1. Mental health – the silent crisis, TNIE ThinkEdu Conclave 2025, organized by The New Indian Express, 28 January 2025, Chennai
2. Suicide & Non-Suicidal Self Injurious behavior in Border Security Forces (BSF), "Training of Master Trainers Program: 16-18 January 2025 (Batch-1) for the project - BSF-AIIMS Tele-Helpline Service (N-2332) '*MANORAKSHAK'*, 17 January 2025, New Delhi
3. The Impact of Cancer Diagnosis on Mental Health: Psychiatric Perspectives, Symposium: "Multi-disciplinary approach in psycho oncology care", for the "National Conference on Psycho-therapeutic Assessment and Intervention in Psycho-oncology", 4 January 2025, New Delhi
4. Mobile Apps in Psychiatry, 5th National Online Symposium by IPS Technology and Psychiatry Subcommittee on "Novel Vistas in Technology and Psychiatry", Indian Psychiatric Society, 26 October 2024, Online
5. Application of Artificial Intelligence / Machine Learning in Addiction Psychiatry, 4th Annual National Conference of Addiction Psychiatry Society of India (ADDICON-2024), organized by the Addiction Psychiatry Society of India (APSI), 18 October 2024, Srinagar

6. Digital Psychiatry: Digital Tools for Mental Health Research, 49th Annual Conference of Indian Psychiatry Society – North Zone (IPSNZ), 28 September 2024, Bikaner
7. NBEMS Psychiatry Webinar: Medically Unexplained Somatic Symptoms: Genesis and Management, National Board of Examinations in Medical Sciences, Ministry of Health and Family Welfare, Government of India, 18 September 2024, Online
8. Deliberate Self Harm/ Suicide in Children and Adolescents, Third lecture of the Module C by the Indian Association for Child and Adolescent Mental Health (IACAM) Academy, 27 July 2024, Online
9. Medical Record Keeping – What Every Psychiatrists Should Know, "Thursday Musings: Masterclass on Therapeutics in Psychiatry by the Indian Psychiatric Society, 11 June 2024, Online
10. Research Data Capturing using REDCap, Clinical Research Unit, AIIMS Delhi, 10 April 2024, New Delhi
11. Suicide Prevention From Knowledge to Practice, Student Wellness Program in Research Methodology Training for Post-graduate Students, 10 April 2024, New Delhi
12. Disruptive Innovations in Psychiatry, Mid Term CME of the Indian Psychiatric Society-North Zone (MIDCIPSNZ), organized by the Department of Psychiatry, VMMC & Safdarjung Hospital, New Delhi; and the Indian Psychiatric Society, North Zone, 7 April 2024, New Delhi

Rohit Verma

1. Organizer, 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology (NCPO-2025), 3-5 January 2025, Delhi
2. Organizer, 3rd National CME of the Indian Association for Child and Adolescent Mental Health (IACAM), 8-9 February 2025, Delhi
3. *Transcranial Direct Current Stimulation (tDCS)*, Mid Term CME 2024 (MIDCIPS) of IPS- NZ, 7 April 2024, Delhi
4. *Recent Advances in tDCS,* Annual Conference of Neuromodulation Society (India) – NSICON 2024, 29 September 2024, Bengaluru

Gagan Hans

1. AOCN: SIG session on Challenging issues in autism spectrum disorders**,** Transformation: Towards a Neuro-inclusive World for All, Department of Paediatrics, AIIMS**,** 17 April 2024**,** Online
2. The Different Colors of Autism – Lets Solve the Riddle, Transformation: Towards a Neuro-inclusive World for All, Department of Paediatrics, AIIMS, 22 April 2024, New Delhi
3. Neuromodulation in Psychiatry: Pre CME Hands on Workshop, CME on Consultation Liaison in Psychiatry: Bridging Gaps between Specialties CLIP 2024, 14 September 2024, Delhi
4. RTMS and tDCS in Psychiatry: Hands on Workshop, PSYCHIATRICKS New Delhi, 22 September 2024, New Delhi
5. Understanding TMS machine, Coils and Stimulus Parameters, 5th Hands-on-Workshop on Neuromodulation (rTMS), 24 October 2024, New Delhi
6. TMS Safety Considerations, 5th Hands-on-Workshop on Neuromodulation (rTMS), 24 October 2024, New Delhi
7. TMS Safety Considerations, 9th National CME & 6th Hands-on-Workshop on Neuromodulation (rTMS), 19 December 2024, New Delhi

Barre Vijay Prasad

1. Management of psychiatric co-morbidities in patients with cancer pain: Non-pharmacological approach, AIIMS-NAMS- CME on Cancer Pain, Holistic Management, Organized by Department of Psychoanasthesia, Palliative Care Medicube, and Department of Psychiatry, 28 April 24, New Delhi
2. Stress Management for Achieving Performance", Invited Guest lecture for 27th Residential Training Programme (CDSCO), at National Institute of Health Family Welfare (NIHFW), 21-23 August 2024, New Delhi.
3. Positive Psychological Intervention: Importance of School Mental Health Programs", 6th APSPA International Conference, 28-30 November 2024, Bangkok, Thailand

4. Enhancing Well-Being in Cancer Care Through Mindfulness-Based Interventions, 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-oncology (NCPO-2025), 3-5 January 2025, New Delhi
5. Psychological Intervention and Research in Patients with Cancer, Alumni Meet 2025, 24 January 2025, Hyderabad
6. Assessments in Mental Health: Mindfulness-Based Interventions for Patients with Cancer, International Conference on Psychology & Rehabilitation Sciences (ICPRS 2025), 27-29, March 2025, New Delhi

Nishtha Chawla

1. Overcoming marital Incompatibility, Episode of 'Nishchay' of Indo-Tibetan Border Police, 25 June 2024, Delhi
2. Stress and other significant psychological issues, 1st Capacity Building Program (Medical officers, Nursing staff and Pharmacist) at BSF, 20 August 2024, Delhi
3. Invited Panelist for a Journal Club, NBEMS Psychiatry Webinar, 11 September 2024, Online
4. Stress and other significant psychological issues, 2nd Capacity Building Program (Medical officers, Nursing staff and Pharmacist) at BSF, 6 December 2024, Delhi
5. Epidemiology of Mental & Behavioural Disorders in Pediatric Cancer, National Conference on Psychotherapeutic Assessments and Interventions in Psycho-oncology held at AIIMS, New Delhi, 3 January 2025, New Delhi
6. Stress and other significant psychological issues, 3rd Capacity Building Program (Medical officers, Nursing staff and Pharmacist) at BSF, 28 March 2025, Delhi

Swati Kedia Gupta

1. Stress, Coping and Building Resilience in Youth**,** Mental Health & Wellbeing in Higher Education Institutions: A Step Towards Viksit Bharat, 22 March 2025**,** Online
2. Mental Health in Youth, Faculty Development Program (FDP) on "AI & NLP in Healthcare Research", 19 March 2025, Delhi
3. Basics of Cognitive Behaviour Therapy, National Board of Examination Webinar, 1 January 25, Online
4. Positive Communication at Workplace, World Mental Health Day, 8 October 2024, Delhi
5. Mental health care for the Elderly in India: Current Scope and Future Opportunities, 48th Annual Conference of Indian Psychiatric Society, 28 September 2024, Bikaner

Preethy K

1. Basics of Psychoactive substance and role of police officials in relation to the Treatment, Rehabilitation and prevention, Sensitisation program for Delhi Police, 5 April 2024, Delhi
2. Assessment of Psychiatric Comorbidities in Cancer Pain, AIIMS-NAMS Joint CME on "Cancer Pain: Holistic Management", 28 April 2024, Delhi
3. Basics of Drug Abuse Prevention and Role of Law Enforcement Officials, Sensitisation program for Delhi Police, 3 September 2024, Delhi
4. Implementing and Expanding Geriatric Mental Health Services at National Centre for Ageing, AIIMS New Delhi, GERON 2024, 13 September 2024, Bengaluru
5. Mental Health Care for the Elderly in India: Current Scope and Future Directions, ACIPS-NZ (Annual Conference of Indian Psychiatric Society – North Zone), 29 September 2024, Bikaner
6. Suicidal Ideation and Self-Harm: An Overview, Webinar on Suicide and Self-Harm: Changing the Narrative and Start the Conversation Organized by International Institute of Health Management Research, Jaipur, 10 October 2024, Online
7. Introduction to Digital Addiction, ADDICON 2024 Annual National Conference of Addiction Psychiatry Society of India, 17 October 2024, Srinagar
8. Prescription drug use and misuse in elderly: Balancing the treatment and risk, ADDICON 2024 Annual National Conference of Addiction Psychiatry Society of India), 18 October 2024, Srinagar
9. Mental Health Awareness, Dhilligai at Delhi Tamil Sangam, 26 October 2024, Delhi

10. JC on American Journal of Psychiatry, Webinar by National Board of Examinations in Medical Sciences, 6 November 2024, Online
11. One-Health, NAMSCON 2024, 22 November 2024, Jodhpur
12. Integrated Approaches to Healthy Aging: Physical, Mental, and Public Health Perspectives for Elderly Care, NAMSCON 2024, 25 November 2024, Jodhpur
13. Mental Illness in Elderly, CME on Bridging Barriers between Geriatricians and Surgeons at NCA, 2 December 2024, Delhi
14. Cancer and Depressive Disorders, 1st National Conference on Psychotherapeutic Assessment and Interventions in Psycho-Oncology, 4 January 2025, Delhi
15. Management of Addiction in Women, Webinar on Addictions in Women by IPS West Zonal Branch, 17 January 2025, Online
16. Opioid Substitution Therapy Program, Induction Training Program for Medical Officers and OST staff under Delhi State AIDS Control Society, 3-5 March 2025, Delhi
17. Autism Spectrum Disorders: Current Update (Moderator), AIIMS-NAMS Navigate Medico CME, 7 March 2025, Delhi

Renu Sharma

1. Assessing Child's capacity and eliciting evidence/statement through child friendly conversation, Delhi Judicial Academy, 6 July 2024, New Delhi
2. Integrating Psychosocial and Culturally Sensitive approaches for intervention of Alcohol and Substance Abuse Disorders: Building Support and Committment, International Conference on Holistic Health: Exploring interconnected realms of well-being, 17-19 September 2024, Gurugram
3. Symposium on the Role of Holistic approaches for the management of Cancer Patients: A path towards recovery and embracing dignity in Life's transition. National Conference on Psychotherapeutic Assessments And Interventions in Psycho-oncology, 3-5 January 2025, New Delhi
4. Working with children with developmental disorders, Zakir Hussain College, University of Delhi, 10 March 2025, Online
5. Counselling for Children and Adolescents, Zakir Hussain College, University of Delhi, 12 April 2025, Online

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
140	**154**	**193**

LIST OF ORAL PAPERS/POSTERS PRESENTED: 54

1. Aggarwal R, Bhardwaj A, Kumar N, Hans G, A Case of Parkinson's Disease with Recurrent Depressive Disorder: The Impact of rTMS on Motor and Mood Symptoms, 1st Annual Conference of the Neuromodulation Society of India, 29 September 2024, Bengaluru
2. Alam J, Mir N, Sagar S, Selvi A, Bhatia R, Mir HA, et al, Impact of rTMS versus Drug therapy on Phantom limb pain in lower limb amputation patients following trauma: A Randomized Controlled Trial, National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka
3. Kumar Anand, Albert Venencia, Prakash Shyam, Agrawal Deepak, Sagar Rajesh, Lalwani Sanjeev, et al, Study of early levels of neuronal markers SNTF, BDNF, S100B, NSE and UCHL1 in mild Traumatic brain injury (mTBI) patients in comparison to healthy control, Indian Academy of Biomedical Sciences (IABS) 2024, 5-6 August2024, New Delhi
4. Anand Kumar, Venencia Albert, Shyam Prakash, Deepak Agrawal, Rajesh Sagar, Sanjeev Lalwani, et al, Study of Biomarkers: SNTF, BDNF, S100B, NSE and UCHL1 to Diagnose Cognitive Impairment in Mild Traumatic Brain Injury (TBI) patients, 4th Research Day-AIIMS, 29-30 January 2025, New Delhi
5. Anand Kumar, Venencia Albert1, Shyam Prakash, Deepak Agrawal, Rajesh Sagar, Sanjeev Lalwani, et al, To study the impact of trauma-induced coagulopathy (TIC) on neurocognitive changes following mild traumatic

brain injury (TBI), Transmedcon 2024, the annual national conference of the Indian Society of Transfusion Medicine (ISTM), 27-29 September 2024, Mahabalipuram

6. Arulselvi Subramaniam, Venencia Albert, Ashima Nehra, Rajesh Sagar, Deepak Agrawal, Cognitive impairment and platelet dynamics in mild traumatic brain injury: insights from a North Indian Cohort, 25th International Conference on Spreading Depolarizations (iCSD), 2024, 13-17 November 2024, Antalya, Turkey
7. Bharti A, Chawla N, Culture-bound Syndrome: A Narrative Review (poster), Annual Conference of Indian Psychiatric Society, North Zone (ACIPSNZ) 2024, 28-29 September 2024, Bikaner
8. Chahal S, Sharan P, Kumaran SS, Hans G, An fMRI Based Study of the Neural Correlates of OCD Sub-Types, Royal College of Psychiatry Congress London 2024, August 2024, London, United Kingdom
9. Chawla N, Sagar S, Kukreja S, Mathur R, et al, Profile of patients admitted with attempted self-harm in a tertiary care level 1 apex trauma center (free paper), Trauma-2024 Conference, 8-9 November 2024, Lucknow
10. Chawla N, Sagar S, Sen MS, Childhood Trauma and Its Consequences: A Psychiatric Perspective on Amputation and Recovery (Symposium), International Conference on Child and Adolescent Mental Health (ICCAMH) held in, 1-2 October 2024, Kathmandu, Nepal
11. Chawla N, Saini R, Sen MS, Current perspectives and understandings in transgender mental health and well-being (Symposium), National Conference of Indian Association for Social Psychiatry (NCIASP), Mysuru, Karnataka, 4-6 November 2024, Mysuru
12. Chawla N, Sen MS, Chattopadhyay A, Sarkar S, Ambekar A, Knowledge Regarding HIV among Individuals with Opioid Dependence Syndrome: A Comparison of Treatment-naïve and Buprenorphine-maintained Individuals (oral presentation), Fast Track Cities 2024 (IAPAC), 13-15 October 2024, Paris, France
13. Chawla N, Sharma P, Bhardwaj A, Invisible Scars: Mental Health Implications Of Gender-Based Violence Across Populations (Symposium), Annual National Conference of Indian Psychiatric Society (ANCIPS) 2025, 22-25 January 2025, Hyderabad
14. Sharma Deeksha, Sarangi Sudhir Chandra, Bhargava Shashikant, Patra Bichitra Nanda, Sagar Rajesh, Pankaj, et al, Effect of Antidepressants on Neurodegeneration and Neuroplasticity in Patients with Depression: A comparison between SSRI and SNRI, World Neuroscience & Psychiatry Conference 2025 (WNPC25), 08-09, March 2025, Bangkok, Thailand
15. Joseph Deric, Kuppusamy Vignesh, Chawla Nishtha, Deep Raman, Management of Clozapine-withdrawal delirium in a patient with treatment-resistant bipolar disorder: clinical and psychopharmacological considerations, Annual National Conference of Indian Psychiatric Society (ANCIPS), 22-25 January 2025, Hyderabad
16. Hans G, Sharma U, Sarkar TD, Panwar S, Metabolic changes in anterior cingulate cortex and hippocampus in patients with treatment resistant depression: proton magnetic spectroscopy, 76th Annual National Conference of Indian Psychiatric Society, ANCIPS, 22-25 January 2025, Hyderabad
17. Joseph D, Kuppuswamy V, Chawla N, Deep R, Management of Clozapine-withdrawal Delirium in a Patient with Treatment-resistant Bipolar Disorder, Clinical and Psychopharmacological Considerations (poster), Annual National Conference of Indian Psychiatric Society (ANCIPS) 2025, 22-25 January 2025, Hyderabad
18. Kathiresan P, Bhad R, Rao R, Management of Opioid Dependence During Perinatal Period, Trainees Perinatal Mental Health Conference for Health Care Professionals 2025, 22 January 2025, London, UK
19. Kathiresan P, Enhancing Geriatric Mental Health Services at AIIMS New Delhi's National Centre for Ageing, NAMSCON 2024, 25 November 2024, Jodhpur
20. Kaushik R, Behera C, Satapathy Sujata, et al, **A Correlational study of Mood, behaviour, and personality characteristics; and biomarkers among Suicide Completers**, International Conf on Applied Biological Psychology (ICABP-25), 10-11 March 2025, Manchester, UK
21. Khwairakpam T, Deep R, Dadhwal V, Hans G, Sharan P, Clinical characteristics and predictors of premenstrual dysphoric disorder in women with bipolar I disorder, 76th Annual National Conference of IPS, 22-25 January 2025, Hyderabad
22. Khwairakpam T, Deep R, Sharan P, Hans G, Dadhwal V, Clinical characteristics and predictors of PMDD in women with bipolar I disorder, 4th AIIMS Annual Research Day, 28-29 January 2025, New Delhi
23. Khwairakpam T, Laspal N, Sharan P, Social challenges – shared responsibility in psychiatry and psychotherapy, 20th World Congress of the World Association for Dynamic Psychiatry, 16-20 April 2024, **Marrakech, Morocco**

24. Mandal S, Bhardwaj A, Kumar N, Hans G, Deep transcranial magnetic stimulation (dTMS) & its potential for worsening depression and suicidality in obsessive compulsive disorder (OCD): a case analysis, 1st Annual Conference of the Neuromodulation Society of India, 29 September 2024, Bengaluru

25. Mangotra, Jain A, Jain M, Sood M, Gupta SK, Chawla N, Patil V, Depression detection by extracting PHQ-8 scores from Semi-Clinical Interviews using Machine Learning and Deep Learning, 2nd International Conference on Machine intelligence for Research & Innovations 2024, 21-23 June 2024, Srinagar

26. Milandeep, Sagar R, Sagar S, Priyadarshini P, Kumar A, Alam J, et al, Impact of Psychosocial Intervention on Quality of Life in patients with Post-traumatic Limb amputation/s: A Randomized Controlled Trial, The 83rd Annual Meeting of the American Association for the Surgery of Trauma (AAST), 11–14 September 2024, Las Vegas, Nevada

27. Milandeep, Sagar R, Sagar S, Priyadarshini P, Kumar A, Alam J, et al, Impact of Psychosocial Intervention on Quality of Life in patients with Post-traumatic Limb amputation/s: A Randomized Controlled Trial, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 8-10 November 2024, Lucknow

28. Milandeep, Sagar R, Sagar S, Priyadarshini P, Kumar A, Alam J, et al, Impact of Psychosocial Intervention on Quality of Life in patients with Post-traumatic Limb amputation/s: A Randomized Controlled Trial, ATLS Region XVI Resident's Paper Competition, 22-23 November 2024, Bangkok, Thailand

29. Milandeep, Sagar R, Sagar S, Priyadarshini P, Kumar A, Alam J, et al, Impact of Psychosocial Intervention on Quality of Life in patients with Post-traumatic Limb amputation/s: A Randomized Controlled Trial, The American College of Surgeons, Committee on Trauma Annual Meeting, 12-16 March 2025, Chicago, IL, USA

30. Mir N, Sagar S, Kumar A, Alam J, Mir H A, Arul Selvi, et al, Impact of rTMS versus Drug therapy on Phantom limb pain in lower limb amputation patients following trauma: A Randomized Controlled Trial, 4th Research Day-AIIMS, 29-30 January 2025, New Delhi

31. Mir N, Sagar S, Kumar S, Sagar R, Priyadarshini P, Kumar A, et al, An RCT to compare the effect of Immediate Post Operative Prosthesis (IPOP) versus conventional prosthesis on balance and quality of life (QoL) in below knee amputees following trauma, Society of Young Biomedical Scientists, India 5th Science Conclave-Cum-NBRCOM 2024, 1-3 December 2024, New Delhi

32. Kumar Mukesh, Kumaran S Senthil, Pankaj, Sagar Rajesh, Hippocampal subfield and amygdala nuclei gray matter volume reduction in early-onset schizophrenia, 2024 ISMRM & ISMRT Annual Meeting & Exhibition, 6 May 2024, Singapore

33. Patel D, Patil V, Datta A, Mathew M, Sharan P, Sood, M, Beliefs about auditory hallucinations and their correlation with symptom severity and functioning in schizophrenia, 31st National Conference of the Indian Association for Social Psychiatry, 4-5 November 2024, Mysore

34. Patil V, Assessment and management of Tardive Syndrome, 76th Annual National Conference of Indian Psychiatric Society, 25 January 2025, Hyderabad

35. Patra B, Electrophysiological Biomarkers in ADHD, Annual national Conference of Indian Psychiatric Society (ANCIPS), 23 January 2025, Hyderabad

36. Singh Ravneet, Raman, Vaibhav Patil, Rachna Bhargava, AK Mishra, Factors Associated with Chronotype in Individuals with Bipolar Disorder in Remission, 4th AIIMS Research Day 2025, 29 January 2025, New Delhi

37. Ravneet Singh, Raman Deep, Vaibhav Patil, Rachna Bhargava, Internet use and its association with chronotype in remitted patients with bipolar disorder, Indian Psychiatric Society North Zone MIDCIPS 2024, 7 April 2024, New Delhi

38. Sagar S, Sagar R, Mir N, Kumar S, Rani P, Chawla N, et al, Epidemiology and Psychiatry Morbidity in Pediatric Amputees following trauma: A Ten-year experience from level I Trauma Centre, 26th World Congress of the International Association for Child and Adolescent Psychiatry and Allied Professions 2024, 20-24 May 2024, Rio De Janeiro, Brazil

39. Saha S, Mishra AK, Rao R, Sharan P, Hindi translation and Validation of Stages of Change Readiness and Treatment Eagerness Scale, 4th Annual National Conference of Addiction Psychiatry Society of India, 17-19 October 2024, Srinagar

40. Sarkar TD, Sharma U, Hans G, Kumaran SS, Mapping Cortical Surface Area Reductions in Treatment-Resistant Schizophrenia: A Comparative Pilot Study, 4th AIIMS Annual Research Day, 30 January 2025, New Delhi

41. Satapathy Sujata, Delivered a Workshop on "Grief-Therapy in Cancer Palliative Care", 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 3-5 January 2025, New Delhi
42. Satapathy Sujata, Pregnancy Loss and Trauma Scale (PLTS): Development and Validation, International Conference on Applied Psychology, 14-15 March 2025, Manchester, UK
43. Satapathy Sujata, Mansi Chadha, Development of Multidimensional Comprehensive Screening Tool (MCOST-51) on Overall Functioning for Children with Cancer: A Preliminary Analysis, 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 3-5 January 2025, New Delhi
44. Satapathy Sujata, Rachna Maurya, Quality of Life in Childhood Cancers: A Comparative Study , 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 3-5 January 2025, New Delhi
45. Satapathy Sujata, Usha Devi, Feasibility of AIIMS Manualized Cognitive Training Toolkit (MCTT) on Neuro-cognitive Deficits in Survivors of Children with Cancer aged 6-12 years, 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 3-5 January 2025, New Delhi
46. Satapathy Sujata, Khanna Vidhi, Neuro-cognitive Profiling of Neuro-cognitive Deficits in Pediatric Cancer Survivors. , 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 3-5 January 2025, New Delhi
47. Shakya P, Sharan P, Datta A, Kalra D, Socio-clinical profile of childhood and adolescent onset gender dysphoria from a psychiatric out-patient clinic of a tertiary care Centre, 24th World Congress of Psychiatry, 14-17 November 2024, Mexico City, Mexico
48. Sharma CS, Sharan P, Bhargava R, Singh YP, Mishra AK, Sharma S, Exploratory study of problematic use of cyber erotica, 9th International Conference on Behavioural Addictions, 8-10 July 2024, Gibraltar
49. Sharma P, Singhal S, Dhyani I, Karna S, Saxena T, Verma R, Exploring effectiveness of transcranial direct current stimulation in tinnitus relief and monitoring cortical changes by functional near infrared spectroscopy; A case series, Annual Conference of Neuromodulation Society (India) – NSICON 2024, 29 September 2024, Bengaluru
50. Sharma P, Singhal S, Karna S, Singh S, Singh J, Verma R, Is auditory oddball a better parameter than stroop test? -A case report of Functional near-infrared spectroscopy in Klein Levin Syndrome, Annual Conference of Neuromodulation Society (India) – NSICON 2024, 29 September 2024, Bengaluru
51. Kaur Simran, Leon Chaithanya, Sagar Rajesh, Tayade Prashant, Sharma Ratna, Plenary presentation: Altered resting EEG microstate as a potential state marker in children with ADHD compared to neurotypical controls, 2nd EEG microstate conference, 9-12 July 2024, Geneva, Switzerland
52. Priyadarshini Sukanya, Jain Vandana, Sagar Rajesh, Yadav Devendra K, Sharma Rajni, Goel Prabudh, et al, Assessing the implementation of a multidisciplinary model for management of children with Disorders of Sex Development and its impact on Quality of Care, 4th Research Day-AIIMS, 29-30 January 2025, New Delhi
53. Khwairakpam Tina, Raman Deep, Hans Gagan, Dadhwal Vatsla, Sharan Pratap, Clinical Characteristics and Predictors of Premenstrual Dysphoric Disorder (PMDD) in Women with Bipolar I Disorder (BD-I), 4th AIIMS Research Day 2025, 29 January 2025, New Delhi
54. Albert Venencia, Subramanian Arulselvi, Sharma Shivani, Nehra Ashima, Sagar Rajesh, Study of Neurotrophic Factors and Neuropsychiatric Symptoms in mTBI: Exploring the Role of Spreading Depolarizations, 25th International Conference on Spreading Depolarizations ICSD 2024, 13-17 November 2024, Antalya, Turkey

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
33	46	54

RESEARCH

Funded Projects

Ongoing

1. A comprehensive genomic approach to predict responder's vs non- responders against common anti-depressant therapy, Professor Nand Kumar, ICMR, 3 Years, 2022-2025, Rs 87.10 Lakhs

2. A randomized controlled trial of the effectiveness of Transcranial Direct Current Stimulation (tDCS) for Treatment of Major Depression, Rohit Verma, AIIMS IIT Delhi Collaborative Research Grant, 2 Years, 2023-2025, Rs 10 Lakhs

3. A randomized controlled trial to evaluate a technology-enabled platform to manage depression with or without behavioural activation in patients with cancer in India, Rajesh Sagar, DBT Wellcome Trust, 5 Years, 2024-2028, Rs 46.71 Lakhs

4. A study to develop and evaluate a manual-assisted, tailored brief intervention (BI) for cardiovascular risk reduction (vs care as usual) in patients with depression: A two-arm parallel randomized control trial (RCT), Raman Deep, ICMR, 3 Years, 2024-2026, Rs 77.91 Lakhs

5. AIIMS-BSF Manorakshak Tele-Counselling Helpline Service Project -A Pilot Project, Pratap Sharan, Sujata Satapathy, Rohit Verma, BSF, 1 Years, 2024-2025, Rs 20 Lakhs (approx.)

6. An exploratory study to assess the magnitude of in-patient restraint and seclusion practices in India through the development of a framework for uniform restraint reporting across the country, Koushik Sinha Deb, ICMR, 3 Years, 2022-2025, Rs 21.55 Lakhs

7. An observational study assessing impact of treatment on dream recall in individuals with Major Depressive Disorder, Rohit Verma, IPS Multicentric Study Grant, 2 Years, 2023-2025, Rs 3 Lakhs

8. Asian Bipolar Genetics Network (A- BIG-NET), Rajesh Sagar, NIMH, USA & NIMHANS, 4 Years, 2024-2027, Rs 8989.61 Lakhs

9. AVATAR therapy implementation and innovation: Testing delivery of standard AVATAR therapy across settings in sub-Saharan Africa and South Asia alongside UK- based automation, Professor Mamta Sood, Welcome trust UK, 4 Years, 2024-2028, Rs 297.21 Lakhs

10. Burden and magnitude of COVID-19 vaccine anxiety, hesitancy and its correlates in India, Rajesh Sagar, Indian Council of Medical Research, 3 Years, 2022-2025, Rs 49.75 Lakhs

11. Comparative mapping of common mental disorders (CMD) over lifespan, Pratap Sharan (for AIIMS centre) PI: Arpan Banerjee (NBRC, Manesar), Department of Biotechnology, 3 Years, 2019-2022, Rs 560 Lakhs

12. Developing intervention guide for psychological first-aid based on profile, needs, and experiences of patients presenting with self-harm in two tertiary centers: A mixed methods study, Nishtha Chawla, AIIMS, Delhi, 2 Years, 2023-2025, Rs 6.20 Lakhs

13. Development and validation of Scale for Assessment of High-risk Attitudes and risky Sexual Behaviour (SAHAS) Tool for high-risk Indian youth, Rajesh Sagar, Indian Council of Medical Research, 3 Years, 2024-2027, Rs 35.75 Lakhs

14. Development of a Bi-Lingual Mobile-App based Neuro-cognitive screening tool for early identification of children aged 3-11 years with Autism and ASD Co-morbid with ADHD, Satapathy Sujata, ICMR, 3 Years, 2023-2026, Rs 68.32 Lakhs

15. Development of a Digital Mental Health Research Platform for AI Phenotyping, Deep Learning and Prediction of Mental Health Conditions in India, Koushik Sinha Deb, iHUB-Anubhuti: DST, 2 Years, 2024-2025, Rs 230 Lakhs

16. Development of Psychological Wellness App for Medical Students, Preethy K, AIIMS Early Career Intramural Research Project, 2 Years, December 2023-December 2025, Rs 4.50 Lakhs

17. DHR-ICMR International Fellowship at King's College, London, UK for 3 months (Not a research Project per se), Bichitra Nanda Patra, Department of Health Research, GoI, One time grant, 2025, Rs 13 lakhs

18. Digital Psychiatry Research Mentorship - A Capacity Building Program for Early Career Psychiatry Faculty, Koushik Sinha Deb, DHR, 5 Years, 2024-2028, Rs 66.92 Lakhs

19. Early Detection and Rehabilitation of Neuro-cognitive and Psycho-Behavioural Deficits in Children with Cancers: Development of a Screening Scale and a Double-blind Randomized Control Study, Satapathy Sujata, ICMR, 3 Years, 2023-2026, Rs 67.75 Lakhs

20. Effect of transcranial direct current stimulation tDCS on cognitive function, symptoms and functioning in Children and Adolescents with Attention Deficit Hyperactivity Disorder ADHD A Randomised Controlled Study", Bichitra Nanda Patra, Department of Science & Technology, Govt of India, 3 Years, 2023-2026, Rs 50.85 Lakhs

21. Effectiveness, Efficacy, and Feasibility of a Therapist-aided App for Exposure and Response Prevention: A Parallel-group, Pilot Randomized Control Trial', Swati Kedia Gupta, iHub-Anubhuti, 3 Years, 2024-2027, Rs 111.70 Lakhs
22. Effects of additional Yoga intervention in Children and Adolescents with Major Depressive Disorder: A Randomised Controlled Trial, Bichitra Nanda Patra, Department of Science & Technology, Govt of India, 3 Years, 2022-2025, Rs 38.30 Lakhs
23. Immune system network in palliative care patients with depression, Pratap Sharan, Department of Health Research, 3 yYears, 2023-2026, Rs 51 Lakhs
24. Impostor Syndrome among medical UGs – prevalence & associated clinical & sociodemographic factors, Pratap Sharan (Guide for Goel B), ICMR Short Term Studentship (STS) Program, 1 Year, 2024-2025, Rs 0.6 Lakhs
25. Magnetic Resonance Spectroscopy in depressed subjects treated with Electroconvulsive Therapy, Gagan Hans, ICMR, 3 Years, 2023-2026, Rs 26.04 Lakhs
26. National Mental Health Survey, Rajesh Sagar, Ministry of Health & family Welfare & NIMHANS, 2 Years, 2025-2026, Rs 75 Lakhs
27. Pre-conception Integrated Health Care for Women: Development of a Perceived Preconception Health Risk Assessment Tool and Community-based Health Risk-Reduction Sensitized Programme, Satapathy Sujata, DHR, 3 Years, 2024-2027, Rs 43 Lakhs (approx)
28. Prediction of Depression Treatment Response Through Smartphone App–a prospective, cohort study, Koushik Sinha Deb, DHR, 3 Years, 2024-2027, Rs 105 Lakhs
29. School-based Transdiagnostic Trauma-Focused CBT for Adolescents with Depression, Anxiety and PTSD: A Parallel Group RCT in Low, Moderate, and High Crime Hotspots in Delhi-NCR, Satapathy Sujata, ICMR, 3 Years, 2024-2027, Rs 80.86 Lakhs (approx)
30. Speech Marker to Detect Depression in Community. Professor Nand Kumar, CSR under Coal India limited, 2.5 Years, 10 February-2024– 9 August-08 2026, Rs 196.52 Lakhs
31. Utilizing artificial intelligence techniques to identify phenotypes of obsessive-compulsive disorder through analyzing brain bioelectrical activity and eye movement patterns, Rohit Verma, Indo-Russian International Collaborative Research Grant, 3 Years, 2024-2027, Rs 87 Lakhs
32. Validation of Brain-Based Intelligence Test BBIT in patients with intellectual disability, attention deficit hyperactivity disorder and specific learning disability, Satapathy Sujata, JP Learning Centre, India, 6 Months, 2025-2025, Rs 3.5 Lakhs (approx.)

Completed

1. Development of IEC Materials for College Students on Mental Health and Wellbeing, Rajesh Sagar, WHO, 0.5 Year, 2024-2024, Rs 10 Lakhs
2. Diffuse optical tomography based cortical analysis for evaluating auditory semantic and prosodic content, language acquisition and facial identification as determinants of emotion recognition in schizophrenia, Rohit Verma, DST CSRI Research Grant, 4 Years, 2018-2023, Rs 51.99 Lakhs
3. Measuring mHealth Literacy of Patients for Technology-Assisted Health Interventions- A Real-World Performance-Focused Mobile App Based Pilot Study, Koushik Sinha Deb, AIIMS - Grant for UG Research Project, 1 Year, 2023-2024, Rs 2 Lakhs
4. National Mental Health Survey- megacity survey, Rajesh Sagar, Ministry of Health & Family Welfare & NIMHANS, 1 Year, 2023-2024, Rs 30 Lakhs
5. Peripheral inflammatory cytokines in Generalized Anxiety Disorder: A Case-controlled study, Gagan Hans, AIIMS Intramural, 2 Years, 2021-2024, Rs 9.36 Lakhs

DEPARTMENTAL PROJECTS (INCLUDING THESIS/DISSERTATIONS)

1. A Case-Control Study of Psychiatric Changes after Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease
2. A cross-sectional study comparing gut microbiome composition of adolescents with depression and healthy controls
3. A double blind randomized sham-controlled study for effect of deep repetitive transcranial magnetic stimulation (d-rTMS) in treatment of patients with somatic symptom disorder (SSD).

4. A Double-blind randomised sham-controlled study for assessing effects of rTms as an adjunctive treatment in children and adolescents with ASD
5. A double-blind randomized sham-controlled study to assess the efficacy and tolerability of high-definition transcranial direct current stimulation (HD-tDCS) on cognitive functioning in moderate to severe traumatic brain injury (TBI)
6. A longitudinal observational study to evaluate antidepressant medication response using brain derived nerve growth factor and cortical hemodynamic and electrical activity
7. A pilot randomized controlled trial of targeted prefrontal cortex modulation with anodal transcranial direct current stimulation (tDCS) for examining task dependent effect on executive functioning
8. A randomized controlled single blind trial of ketamine versus modified electroconvulsive therapy to improve neuropsychological and clinical outcomes in treatment resistant depression
9. A randomized double-blind placebo-controlled trial for evaluating effectiveness and tolerability of oral Ketamine augmentation for moderate to severe major depressive disorder with suicidality
10. A Randomized Double-Blind Sham-Controlled Trial for Evaluating Effectiveness and Tolerability of Ketamine Augmentation for Depression with Suicidal Ideation
11. A single-blind, two arm clinical trial ccomparing Accelerated and Standard Deep Transcranial Magnetic Stimulation (DTMS) efficacy and safety in the Treatment Resistant Depression
12. A study on associative stigma and its relationships with stress and burden among parents of children and adolescents with psychiatric disorder.
13. A study on clinical, behavioural, and psychosocial factors among children and adolescents attending Level 1 trauma centre with physical injuries
14. A Study to examine Psycho-Social &Behavioural Domains among School going Adolescents during COVID 19 Pandemic: Mixed Study Design-ICMR funded
15. Acute effect of Methylphenidate on prefrontal cortical activation in children and adolescents with ADHD using fNIRS during saccadic movements: A Randomised control trial
16. Adolescent Sexual Abuse: Modification of Multidimensional Scale for Child Sexual Abuse (MSCSA) and a Randomized Feasibility Trial of a Trauma - Focused Cognitive Behaviour Therapy Intervention
17. An exploratory study to assess the magnitude of in-patient restraint and seclusion practices in India through the development of a framework for uniform restraint reporting across the country
18. Analysis of body composition and insulin resistance in children and adolescents with psychosis on atypical antipsychotics (MD Thesis)
19. Assessing the efficacy of combined Escitalopram and Buspirone in late life depression accompanied by cognitive impairment-an open label randomized control trial
20. Assessment of Anxiety and Depression in Patient with Epithelial Ovarian Cancer after 1st line Chemotherapy: A Cross Sectional Observational Study
21. Assessment of Anxiety and Depression in Patients with Epithelial Ovarian Cancer after 1st line Chemotherapy: Cross-Sectional Observational Study
22. Assessment of cortical activation and connectivity using fNIRS
23. Assessment of the serum uric acid and its association with short-term naturalistic course of manic episode in patients with bipolar I disorder
24. Assessment of Toxoplasma gondii seropositivity and its association with lifetime suicidality in patients with bipolar disorder
25. Association of Screen time, Screen content and Sleep disturbances with suicidal thoughts and acts among patients with Depression – A cross-sectional pilot study
26. Characterizing profile and clinical characteristics associated with mixed features in DSM-5 bipolar depression: An observational, cross-sectional study
27. Cognitive and Psychosocial Impairments, in Breast Cancer Patients Undergoing Taxane-Based Chemotherapy: A Prospective Observational Study
28. Cognitive and Psychosocial Impairments, Including Anxiety, Depression, Body Image, Distress, and Quality of Life, in Breast Cancer Patients Undergoing Taxane-Based Chemotherapy: A Prospective Observational Study

29. Comparative study of socio-clinical characteristics and mental health issues in people with gender incongruence with age matched cis-gender people
30. Comparison of acceptance and commitment therapy with exercise therapy versus only exercise therapy in chronic mechanical low back patients with central sensitization
31. Comparison of clinical profile, functioning, memory, serum cortisol, BDNF in adult schizophrenia patients with and without childhood trauma
32. Development and Validation of Insight Scale for Patient's with Mental Illness in India
33. Development of a Bi-Lingual Mobile-App based Neuro-cognitive screening tool for early identification of children aged 3-11 years with Autism and ASD Co-morbid with ADHD, funded by ICMR
34. Development of a Mindfulness-based Intervention for Adolescents with ADHD (Ph D Thesis)
35. Early Detection and Rehabilitation of Neuro-Cognitive and Psycho-Behavioural Deficits in Children with Cancers: Development of a Screening Scale and a Double-Blind Randomized Control Study
36. Early Prediction of Depression Treatment Response Through Smartphone App – a prospective, cohort study.
37. Effects of loneliness on cognitive and emotional processing in youth with mental illness: An interventional study
38. Elucidating the structural, neurobiological changes and identification of non-invasive biomarkers using magnetic resonance imaging and spectroscopy in major depressive disorder
39. Exploring Female Sexual Dysfunction: Prevalence and Determinants among Women with Common Mental Disorders – A Cross-sectional, Observational Study
40. Exploring Social Media Use And Its Correlates In Adolescents With Attention Deficit Hyperactivity Disorder: A Case Control Study
41. Internalized stigma and its correlates among adult patients of Dissociative neurological symptom disorder with non-epieptic seizures: A cross-sectional study
42. Investigation of anterior cingulate cortex and dorsolateral prefrontal cortex gamma-aminobutyric acid and glutamate-glutamine levels in obsessive-compulsive disorder using magnetic resonance spectroscopy
43. Machine Learning Based Suicidal Behaviour Prediction, and Double-Blind Randomized Control Trial of a Cognitive Behavioural Intervention for Suicide Attempters between 15-29 Years
44. Mobile app based psychosocial intervention in first episode psychosis
45. Neuro-biofeedback as a trans- diagnostic treatment approach among adolescents with internalizing disorders
46. Peripheral Inflammatory Markers in 1st Episode Untreated Depression- A Case Control Study
47. Predictors of Response to Clozapine in Patients with Treatment Resistant Schizophrenia – A pilot study. (Thesis Guide)
48. Prevalence of Mental Disorders among Elderly Patients Admitted in Non-Psychiatric Clinical Settings at a Tertiary Care Hospital in India – A Cross-sectional, Observational Study
49. Quantitative Electroencephalogram qEEG biomarkers for assessing treatment response in depression - a longitudinal observational pilot study
50. Self-Harm in Transitional Age Youth (TAY): Development and Validation of an Assessment Tool and Randomised Feasibility Trial of a Trauma-Focused CBT Intervention Module
51. Self-Harm in Transitional Age Youth (TAY): Development and Validation of an Assessment Tool and Randomised Feasibility Trial of a Trauma-Focused CBT Intervention Module
52. Study of Neurofeedback Training as an Adjunctive Transdiagnostic Treatment among Adolescents with Internalizing Disorder
53. The Epidemiology of Trauma, Resilience and Post Traumatic Stress Disorder (PTSD) in Indian adolescents
54. To assess the effectiveness of Acceptance and Commitment Therapy on stress reduction and coping strategies for newly diagnosed breast cancer patients.

Completed

1. A case control study of change in cognitive functioning after Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease

2. A study of factors affecting early treatment response to antidepressant medications in Indian patients with non-psychotic depression.
3. Acute effect of Methylphenidate on prefrontal cortical activation in children and adolescents with ADHD using fNIRS during saccadic movements: A Randomised control trial
4. Assessment of clinical factors associated with chronotype in patients with bipolar disorder in remission, Thesis Submitted, June 2024, AIIMS, New Delhi,
5. Clinical characteristics of premenstrual dysphoric disorder (PMDD) in women with bipolar disorder
6. Correlation of Core Motivation in OCD with Neurocognitive Functioning and Prefrontal Cortical Hemodynamic Activity
7. Group cognitive behavioural therapy for obsessive compulsive disorder: development and feasibility study
8. Psychological Trauma Resilience in Children and Adolescents: Development and Psychometric Properties of a Multidimensional Scale
9. Socio-clinical profile of childhood and adolescent onset gender dysphoria from a psychiatric out-patient clinic of a tertiary care centre
10. The Demographic Profile and Tumor Markers in Women Presenting with Benign and Malignant Ovarian Masses and the Effect of these Neoplasms on their Lifestyle.

COLLABORATIVE PROJECTS

Ongoing

1. A comparative study of anxiety and depression in low-risk vs high-risk pregnant women in Indian settings, Department of Obstetrics & Gynecology
2. A cross-sectional observational study to develop a scale to measure the psychosocial impact of acquired dermal macular hypermelanosis in adult patients, Department of Dermatology & Venereology
3. A prospective cohort study of the effect of cosmetic camouflage on quality of life and patient perceived stigma in patients with vitiligo, Department of Dermatology & Venereology
4. A randomized controlled trial comparing the efficacy of cognitive behavioral therapy vs yoga nidra in persons with psychogenic nonepileptic seizures, Department of Neurology
5. A randomized controlled trial to assess the effect of riboflavin supplementation with antidepressant treatment in persons with major depressive disorder, Department of Pharmacology
6. A randomized controlled trial to see the effect of post-operative systemic anticoagulation in patients undergoing post traumatic medium mixed vessel repair, Department of Trauma Surgery, JPNATC
7. A Randomized Controlled Trial to study the effect of immediate post operative prosthesis (IPOP) vs Conventional prosthesis on Balance, QOL, & Psychological status in below knee amputation patients following trauma, Department of Trauma Surgery
8. A study of spiritual well-being among patients with diabetes mellitus attending secondary Care facility in district Faridabad, Haryana, Department of Community Medicine
9. A study to assess corticocortical excitatory-inhibitory circuitry dynamics in Schizophrenia with Auditory Hallucinations, Department of Physiology
10. A study to examine psychosocial and behavioral domains among school going adolescents during COVID 19 pandemics: mixed study design, NDDTC, AIIMS
11. Adolescents' Resilience and Treatment nEeds for Mental health in Indian Slums (ARTEMIS), George Institute of Global Health, New Delhi
12. Air pollution impact on pregnancy and early childhood development in India-(APIPED COHORT), Department of Community Medicine.
13. Anemia: Exploring the role of vitamin D, essential elements and lifestyle in Indian population, Department of Pharmacology

14. Assessment of monoaminergic neurotransmission related polymorphisms and their role in prediction of antidepressant treatment response using machine learning approach in Indian patients suffering from depression, Department of Pharmacology
15. Assessment of monoaminergic neurotransmission related polymorphisms and their role in prediction of antidepressant treatment response using machine learning approach in Indian patients suffering from depression, Department of Pharmacology
16. Association between childhood adverse and benevolent experiences and positive childhood experiences on adult health and functioning, JIMPER, Puducherry
17. Association of Genetic Variants with Clinical Phenotypes of Major Depressive Disorders and Their Predictive Value for Treatment Outcomes, Department of Microbiology, AIIMS, Bhopal
18. Association of polymorphism in galanin and its receptor gene and opioid dependance: A case control explorative study, NDDTC, AIIMS, New Delhi
19. Childhood Cancer Survivorship Program (CCSP), Department of Medical Oncology
20. Clinical research to assess efficacy of repetitive transcranial magnetic stimulation along with implantation of neurotrophic coated nanoparticles in complete spinal cord injury patients, Department of Physiology
21. Comparative Analysis of Plasma Levels and Subjective Effects of Intravenous vs Sublingual Buprenorphine: A Randomized Double-Blind Double Dummy Study, National Drug Dependence Treatment Centre (NDDTC), Ghaziabad
22. Comparative study of cortical activation using fMRI and fNIRS across cognitive tasks in patients with depression, Department of NMR
23. Comparison of pain status in patients undergoing Targeted Muscle reinnervation versus Conventional stump preparation following post traumatic above knee amputation: A Randomized control trial, Department of Trauma Surgery
24. Department of Geriatric Medicine
25. Development and evaluation of artificial intelligence-based methods for prediction of self-harm and suicide attempts amongst the patients of depression, Department of Anatomy
26. Diagnostic agreement of initial presentation with latest follow up and evaluation of neurobehavioral outcome in pediatric onset CNS acquired demyelination syndrome: an ambispective observational study, Division of Pediatric Neurology
27. Digital Interventions in Mental Health Care-ICMR-Centre for Advance Research, NIMHANS, Bangalore
28. EEG cortical sources and connectivity of working memory and language processing in Attention Deficit Hyperactivity Disorder, Department of Physiology
29. EEG microstates and its cortical sources during Facial emotion recognition, Department of Physiology
30. Effect of 'Common yoga protocol' by AYUSH for chronic insomnia: An open label, two arm, parallel randomized controlled clinical trial-a protocol, Department of Physiology
31. Effect of "Yoga-break at workplace" on Stress, Sleep quality and Quality of Life among the industrial workers in Faridabad, Haryana, Department of Community Medicine
32. Effect of ACE inhibitors and angiotensin receptor blockers on renin angiotensin system markers in brain tissue of postmortem subjects with depression, Department of Pharmacology
33. Effect of antidepressant drug (Escitalopram) on testicular and adrenal functions, Department of Reproductive Biology
34. Effect of antidepressants and add-on therapy of renin-angiotensin-aldosterone system (RAAS) modulators on treatment response in subjects with depression: Correlation analysis with RAAS related biomarkers and their gene expression, Department of Pharmacology
35. Effect of antidepressants on neurodegeneration and neuroplasticity in patients with depression- funded by ICMR, Department of Pharmacology

36. Effect of cumulative fluid balance on delirium predicted by cam-icu and functional near-infrared spectroscopy (fNIRS) guided mapping of frontal cortex in critically ill patients with septic shock- a prospective observational study, Department of Anaesthesiology

37. Effect of nostril breathing patterns in the patients of Major Depressive Disorder, Department of Physiology

38. Effect of Structured Yoga Program on Stress on Frontline Workers during COVID Pandemic-DST Funded, Department of Community Medicine

39. Effect of yoga in chronic insomnia: A Randomised controlled trial, Department of Physiology

40. Effectiveness of community re-entry program on global functioning, medication adherence, relapse rate among bipolar affective disorder at AIIMS Jodhpur, AIIMS Jodhpur

41. Efficacy of a yoga-meditation based lifestyle intervention vs repetitive transcranial stimulus (rTMS) in patients with obesity and major depressive disorder: a randomized controlled trial (RCT)-funded by DST, Department of Physiology

42. Efficacy of Adjunct Probiotics in Combination with Standard of Care as Compared to Standard of Care Alone in Elderly Patients with Moderate Unipolar Depression: A Randomized Double-Blind Parallel-Group, Placebo-Controlled Multi-Centre Pilot Trial, ICMR – Centre for Ageing and Mental Health, Department of Health Research, MoHFW

43. Epigenetic Correlation of the Candidate Genes in Brain Tissue and Blood of Suicide Completers: Validation in suicidality and to evaluate the epigenetic changes following intervention, Department of Forensic Sciences & Toxicology

44. Examining Stress, and Cognitive-Affective Processing in Emotion Disorders, Department of Psychology, Indian Institute of Technology, Delhi

45. Financing of expenditure on mental illness-a case study of NCR-PhD thesis, IGNOU-, IGNOU, Delhi

46. Gender role behavior and puberty-related issues in children and adolescents (8-19 years) with classical 21-hydroxylase deficiency Congenital Adrenal Hyperplasia with 46 XX karyotype: A Cross-sectional analytical study", Department of pediatric endocrinology

47. Genetic and cellular changes following 6 months of Yoga-based lifestyle intervention in patients with obesity and co-morbid depression: A randomized controlled trial, Department of Physiology

48. Genetic expression of monoaminergic neurotransmission related polymorphisms and their association with antidepressant response in Indian patients suffering from depression-funded by, Department of Pharmacology

49. Genetic expression of monoaminergic neurotransmission related polymorphisms and their association with antidepressant response in Indian patients suffering from depression, Department of Pharmacology

50. Genome wide DNA methylation profiling to study role of epigenetic modification in suicide completers in Indian population, Department of Forensic Medicine & Toxicology

51. Identifying early signs of attention-deficit hyperactivity disorder (ADHD) in children by decoding their acoustic vocal profile, Department of Physiology

52. Impact of Psychosocial Intervention on Quality of Life and Stress Biomarkers in Patients with Traumatic Limb Amputation/s: A Randomized Controlled Trial Department of Trauma Surgery, JPNATC

53. Long-COVID and its association with select health conditions in an urban resettlement colony of New Delhi: a community-based, cross-sectional study, Department of Community Medicine

54. Multilevel study of the determinants of access to Breast health services in Breast cancer patients and their family members-PhD, Department of Preventive Oncology National Cancer Institute (NCI)

55. Natural history of cognitive and neuropsychiatric dysfunction in idiopathic hypoparathyroidism and its correlates including demographic, metabolic, intracranial calcification and functional MRI-DM, Department of Endocrinology

56. Neurocognitive outcome in pediatric-onset CNS acquired demyelination syndrome in remission for at least 24 months: an observational study, Division of Pediatric Neurology

57. Neuropsychiatric and cognitive dysfunction in hypoparathyroidism its natural course after 10 years of follow up in patients with idiopathic hypoparathyroidism on conventional therapy and effect of these dysfunction on their calcemic control, Department of Endocrinology

58. Neuropsychological Basis of Decision Making: Testing Lateralization of Cognitive Function in Medial Temporal Lobe Epilepsy, Department of Neurology, Neurosciences Centre, All India Institute of Medical Sciences, New Delhi & Department of Psychology. Indian Institute of Technology, Delhi

59. Psychosocial and Epigenetic Dynamics of Suicidal Behaviors Trauma-Exposed Individuals aged 15-30 years: Impact of a Psychological Intervention on Siblings of Suicide completers, Department of Forensic Sciences & Toxicology

60. Psychosocial and Epigenetic Dynamics of Suicidal Behaviours among Trauma-exposed individuals aged 15-30 years: impact of a Psychological Intervention on Siblings of Suicide Completers-PhD, Department of Forensic Medicine & Toxicology

61. Qualitative Study on Perception of Treatment Response in Vitiligo Patients, Department of Dermatology & Venereology

62. Quality of life, Sleep, Sexual functioning and Distress among infertile females with Polycystic Ovary Syndrome (PCOS): Hindi translation and validation of Psychometric Tools, Department of Obstetrics and Gynecology

63. Relapse Prevention Pscho-Behvioural Intervention Module for inmates of Correctional Settings- A Forensic Intervention Study, Punjab University, Chandigarh

64. Retrospective and prospective analysis of results of comprehensive geriatric assessment and oncologic assessment of older patients with cancer who have been evaluated in geriatric oncology clinic at National Centre of Ageing, AIIMS, New Delhi

65. Role of multimodal prehabilitation program as a preoperative optimization strategy in patients undergoing open radical cystectomy: a prospective randomized study, Department of Urology

66. Role of rennin angiotensin aldosterone system and its modulators upon antidepressant treatment response in person with depression, Department of Pharmacology

67. sMARSA (sensitive Magnetic Assisted nano-particle Rapid Sandwich Assay) for Alpha-Synuclein: Validation of cartridge-based ELISA for quantification of alpha-Synuclein in serum, Department of Biophysics, AIIMS

68. Structural and functional correlates of visuospatial complexity in language processing in children with developmental dyslexia, ICMR-SRF Project, Department of Physiology

69. Task Force Project “Development of Nardostachysjatamansi and Withaniasomnifera formulation for treatment of sleep disorders”, Department of Neurology

70. Testing how mind-wandering affects action-inhibition, IIT, New Delhi

71. To compare the effect of Isokinetic training with Conventional exercises in patients with above knee amputation following trauma in relation to Prothesis adaptability and Gait: A Randomized Controlled Trial, Department Of Trauma Surgery

72. To evaluate effectiveness of transcranial direct current stimulation (tDCS) for improving cognitive function in primary open angle glaucoma (POAG), Department of Ophthalmology, Dr Rajendra Prasad Centre for Ophthalmic Sciences

73. To evaluate prospective auditory cortical activity changes on functional near infrared spectroscopy in prelingual profound SNHL patients undergoing cochlear implantation, Department of Otorhinolaryngology

74. To study the effect of Immediate Post-Operative Prosthesis in relation to postsurgical outcome, balance and quality of life in Above Knee Amputation patients (post traumatic): A Pilot Randomized Controlled Trial, Department of Trauma Surgery, JPNATC

75. To study the effectiveness of Targeted Muscle Re-innervation (TMR) in alleviating residual limb pain and phantom limb pain/sensation in pediatric amputees following trauma– A Prospective Cohort Study, Department of Trauma Surgery, JPNATC

76. To study the impact of yoga based lifestyle intervention on childhood depression, Department of Anatomy

77. To study the prevalence psychiatric morbidities and sleep disturbances in pediatric malignancy patients post hematopoietic stem cell transplantation, Div. of pediatric oncology, Department of pediatrics

78. Trauma focused Postvention Module for family and friends of victims of completed suicide- Development and Validation, Department of Forensic Sciences & Toxicology

79. Understanding Mental Health Needs for Children and Youth in India: Using interRAI Assessment Tools, Western University, Ontario, Canada.

80. Understanding the structural and neurobiological changes in the patients with major depressive disorder using magnetic resonance imaging and spectroscopy, Department of Nuclear Magnetic Resonance

81. Vitiligo Impact Scale for children and adolescents, Department of Dermatology & Venereology

Completed

1. A Cross Sectional Study To Assess The Quality Of Life Impairment In Children And Adolescents With Vitiligo And Their Primary Care Givers And Comparison Of Prevalence Of Depression, Anxiety And Low Self Esteem In Children And Adolescents With Vitiligo As Compared To Age And Sex Matched Healthy Controls, Department of Dermatology & Venereology

2. A prospective observational study of quality of life, anxiety, depression, and perceived stigma in dermatology inpatients and their family, Department of Dermatology & Venereology

3. A study to assess the effectiveness of Mobile Application based home care management programme among patients undergone kidney transplantation in AIIMS, New Delhi, Department of Nursing, All India Institute of Medical Sciences, New Delhi

4. Assessing the implementation of multidisciplinary clinic and board for management of children with Disorders of Sex Development, and its impact on quality of care DM, Department of pediatric endocrinology

5. Comparative assessment of functional near-infrared spectroscopy in children for detecting emergence delirium with sevoflurane vs total intravenous anesthesia: a prospective observational study, Department of Anaesthesiology, All India Institute of Medical Sciences, New Delhi

6. Correlation of sleep architecture with cognition, behaviour and executive function in children and adolescents aged 5 – 18 years with pharmaco-responsive non-lesional epilepsy, Division of Pediatric Neurology

7. Department of Psychology. Indian Institute of Technology, Delhi

8. Depression and anxiety among transgender persons who are enrolled with targeted intervention sites of HIV in Delhi, Department of Community Medicine.

9. Development And Validation of a Tool for Assessment of Manasa Prakriti (Psychological Personality Traits), All India Institute of Ayurveda, Delhi

10. Diagnostic validation of first episode and chronic neurobehavioral outcome in pediatric onset central nervous system acquired demyelination syndrome: an ambispective observational study, Division of Pediatric Neurology

11. Effect of antidepressants on neuro-degeneration and neuroplasticity in patients with depression, Department of Pharmacology

12. Elucidating the structural, neurobiological changes and identification of non-invasive biomarkers using magnetic resonance imaging and spectroscopy in major depressive disorder, Department of Nuclear Magnetic Resonance

13. Emotional response and mental health of women undergoing 2nd trimester Medical Termination of Pregnancy for fetal anomalies, Department of Obstetrics and Gynecology

14. Hindi translation and psychometric validation of Stages of Change Readiness and Treatment Eagerness Scale (SOCRATES), National Drug Dependence Treatment Centre (NDDTC)

15. Identification of biomarkers for cognitive impaired mild head injury patients, Department of Lab Medicine, JPNATC

16. Immediate versus delayed withdrawal of anti-seizure medication in patients with psychogenic non epileptic seizures - a randomised controlled study, Department of Neurology

17. Impact of rTMS versus drug therapy on phantom limb pain in lower limb amputation patients: A Randomized control trial, Deptt. Of Trauma Surgery, JPNATC

18. Incidence and Severity of Psycho-social and somatic disorders in survivors of childhood solid malignant tumors, Pediatric-Oncology, ICMR

19. International sex survey, University of Montreal, Canada
20. Prospective double blind Randomized controlled clinical study on Ayurvedic intervention sarpganaha Mishran) vs Amlodipine for the management of stage-I Primary Hypertension, Department of Pharmacology
21. QEEG based neural correlates and microstates of attention and interference in ADHD: An endophenotypic marker-PhD, Department of Physiology
22. Qualitative Study on How Patients with Skin Diseases are Managed in Non-Dermatology Settings, Department of Dermatology & Venereology
23. The role of opioid-sparing anesthesia in post-operative cognitive dysfunction among elderly patients undergoing laparoscopic surgery, a double blinded randomized control study, Department of Anaesthesiology, All India Institute of Medical Sciences, New Delhi
24. To test effects of breath-focus on lateralized cognitive and affective processing in Generalized Anxiety Disorder (GAD) patients, Department of Physiology, All India Institute of Medical Sciences, New Delhi &

Research over past 3 years

Research Projects	2022-23	2023-2024	2024-25
Total funded projects	16	41	37
Total funding (INR)	Rs 16,80,09,679	Rs 25,57,49,037	Rs 27,27,78,825

Publications

Journals: 110 **Abstracts: 12** **Chapters in Book: 15** **Books & Monographs: 01**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**151**	**152**	**138**
Journal articles	108	127	110
Abstracts	12	05	12
Chapters in books	29	18	15
Books	02	02	01

PATIENT CARE

SPECIAL CLINICS

Psychosomatic Clinic: Once in a week

Common Mental Disorders Clinic: Once in a week

Child and Adolescent Psychiatric specialty services

Severe Mental Disorders Clinic: Once in a week

Brain Stimulation/TMS clinic on Thursday once in a week

Neuropsychiatry OPD in C N Centre on Tuesday. Once a week.

Psychiatry services at CRHSP, Ballabgarh.

Dual Diagnosis Clinic: Once in a week

Facilities available in Department (Special Clinics/Special Labs/Special Therapy)

Facilities available in Department (Special Clinics/Special Labs/Special Therapy)

- **Centre for advanced research and excellence in neuromodulation (rTMS and Deep TMS Facility)** – Provides rTMS and deep TMS to 6-10 patients every day.
- **Brain Mapping Lab facility –** added digital cognitive testing to the existing fNIRS, QEEG & eye tracking system for development of a state-of-the-art facility for brain mapping.

- **MECT facility –** Improved data collection/digitalization in functioning of mECT; Added computerized cognitive testing; Added utility of Ketamine, Ketofol & Etomidate use with dexmedetomidine for increasing mECT effectiveness.
- **High-definition Transcranial Electrical Stimulation –** Developed the HD-tDCS as a neuromodulation facility combined with utility of computerized cognitive testing & simultaneous EEG.

Community services

- AIIMS-BSF Manorakshak Tele-Counselling Helpline Service Project -A Pilot Project

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Pratap Sharan is the Professor-in-Charge of Student Welfare; the chief coordinator for the Committee for MBBS curricular reforms; A member of the Project Review Committee (Clinical Sciences); and the mental health lead for the Transgender Clinical Services at AIIMS, New Delhi. He is a member of the International Advisory Group for Training and Implementation for ICD-11 Mental, Behavioural and Neurodevelopmental Disorders (2018 – onwards); WHO's Mental and Neurological Sciences Pre-Service Education Group, WHO's Guideline Development Group for Health of Trans and Gender Diverse People, WASP Coercion Group, and reviewer for WHO's Advancing Supervisor Capabilities for Mental Health at Work: Facilitator Guide (ASCEND) and mhGAP Job Aid for Prototype General Community Health Workers (CHWs) for mhGAP Intervention Guide for Mental, Neurological and Substance Use Conditions. He is a Subject-matter Expert for the Ministry of Education High-Level Committee of Experts to ensure transparent, smooth and fair conduct of examinations; Member, Study Group on minimizing cases of suicides/fratricides in the Armed Forces; Committee for National Health Authority Rationalization of Health Benefit Packages of Ayushman Bharat Pradhan Mantri Yojana (Mental health Packages), DGHS Expert Committee for Framing SOP for Medical Treatment of Transgender Persons and DGHS Expert Committee for Developing Guidelines for Medical Intervention in Infants/ Children with Disorders of Sexual Differentiation (Intersex); ICMR Committee for External Evaluation of multicentered study on suicide prevention and Local Research Advisory Committee of the Model Rural Health Research Unit, Una. He is a Medical Expert for National Human Rights Commission; Resource person for Ministry of Tribal Affairs CoE Scheme; and the Expert committee for State Mental Health Authority for the Government of NCT of Delhi. He delivered the NN De Oration titled "Chronicling the ICD-11 MBNDD saga for Generation Beta" at the 31st National Conference of the Indian Association for Social Psychiatry (Mysore, 4-5 November 2024); and the Prof RPN Singh Memorial Oration titled 'The p-factor in personality disorders' at the 28th Annual Conference of Patliputra Psychiatric Society (Deoghar, 14-15 December 2024); and the keynote address at the National Tribal Health Conclave, Ministry of Tribal Affairs (New Delhi, 20 January 2025). He was the Chief Guest at the College of Nursing, AIIMS Workshop on 'Time to Prioritize Mental Health at Workplace' (AIIMS, New Delhi, 9 October 2024) and the Guest of Honor at the Nursing Division, DGHS Mental Health Champion Training of Trainers ECHO Program (Online, 10 January 2025). He is the Chairperson, CPG Committee of the IPS; Advisor, IPS Leadership Development Task Force; Chairperson, CME Committee, IPS North Zone; and IACAM Constitution Committee. He is the Ombudsman for the Indian Journal of Social Psychiatry; and serves as the Senior Editor of Journal for Eating Disorders; Associate Editor of the National Medical Journal of India; Handling Editor for PLOS Mental Health; and member of the Editorial Board of the many journals. He served as a peer reviewer for many journals including PLOS One, BMJ Open, Journal of Public Health, Public Health, International Journal of Mental Health Systems, WHO South-East Asia Journal of Public Health, British Journal of Psychiatry, and B J Psych International.

Professor Rajesh Sagar is a Member Central Mental Health Authority (CMHA), Regulatory body under Mental Healthcare Act, 2017, Ministry of Health and Family Welfare, Government of India, and duly mentioned in The Gazette of India Notification & participated in meetings. He is a Member of the both Council and the Scientific Advisory Board (SAB) of the Indian Council of Medical Research (ICMR)& participated in meetings. He is a Member of the Board of Governor (BoG) of LGB Regional Institute of Mental Health, Tezpur, Assam (under the Ministry of Health &Family Welfare, Govt. of India), &attended its 10th meeting chaired by the hon'ble Union minister of Family Welfare & participated in meetings. He is a Member of the Institute Body (IB), the highest statutory body of the National Institute of Mental Health and Neuro-Sciences in Bangalore and Gazette notified in March 2025. He is a Member of Governing Council &project monitoring Committee of National Institute of Mental Health Rehabilitation (NIMHR) under Ministry of Social Justice &Empowerment. He was Co-Chairperson, Journal-Sub Committee by the Indian Psychiatric Society. His name was listed in the World's Top 2% Scientists ranking by the Stanford University publication for the year 2023 (consecutive in 4th year). He was a Member of the Technical Advisory Committee (TAC) for the development of a training and communication package for youth on mental health and life skills by the Executive Director, State Innovation in Family Planning Services Project Agency(SIFPSA)/Mission Director, National Health Mission (NHM) supported by WHO (India) & attended several meetings and developed the Module For Teachers Of Degree Colleges On Mental Health Promotion along with Training module for teachers of degree colleges on mental health promotion and Compendium of IEC Materials for Mental Health Promotion. He was Honorary visiting Professor, University of Leicester, UK, contd…He was Member,

UKRI International Development Peer Review College, UK. He was Member, North East England South Asia Mental Health Alliance (NEESAMA)- supported by Newcastle University, British Council &NTW NHS trust, UK. He got Fellowship of Royal College of Physicians of Edinburgh, FRCP (Edin.) 2019- contd. He was Mentor for Capacity Building for Disease Burden Estimation in India by the Global Disease Burden (GBD) India Initiative by ICMR, PHFI, IHME(USA). He was Honorary Senior Technical Advisor – Mental Health for World Health Partners. He was Expert Member, in the Constitution of the Technical Committee for developing a national strategy on Autism and Other Neurodevelopmental Disorders by the Ministry of Health &Family Welfare& held several meetings 2024 and submitted the pre-final draft. He was Expert member of the core Committee for Classification and framing of different standards of Mental Health Establishments under Mental Healthcare Act, 2017 by the Ministry of Health & family Welfare. He was Expert member of the core Committee regarding mental health of students in urban areas esp. those studying in private schools and coaching institutes under the chairmanship of DGHS by the Ministry of Health & family Welfare. He was Expert member of the core Committee to discuss the Mental Health Module and Sensitization Module for Health Care Workers (HCWs) for LGBTQIA+ under the chairmanship of DGHS by the Ministry of Health & family Welfare. He was Expert member of the core Committee to discuss mental health Insurance schemes and related aspects regarding the Implementation of section 21(4) of the MHC Act, 2017 by the Ministry of Health & family Welfare.

Professor Mamta Sood was elected President of Indian Association for Social Psychiatry (2024-2026). He was President, Indian Psychiatric Society North Zone (2024-2025). He was Executive Committee member, World Association for Dynamic Psychiatry- India Chapter (2024-2026). He Chaired, Scientific Committee, Mid-Year Conference of IPS NZ 2024, Delhi, 7 April 2024. He Chaired Scientific Committee, 24th Postgraduate Development Programme, Shimla, 18-19 May 2024. He Chaired, Scientific Committee, 49th Annual Conference of IPS North Zone, Bikaner, 28-29 September 2024. He received JK Trivedi Award of Indian Association for Social Psychiatry, 2024. He got Guest of Honour, Faculty Development Programme on AI and NLP in Health care Research, Netaji Subhas University, Delhi, 18 March 2025.

Professor Raman Deep received PPA-I Award (2025) Co-recipient for published research paper, January 2025. He also received PPA-II Award (2025), Co-recipient for published research paper, January 2025.

Professor Rohit Verma was Assistant Editor of the Journal– Asian Journal of Cognitive Neurology. He was Executive Committee Member of Indian Association of Social Psychiatry (IASP). He was Ethical Committee Member of the University Institutional Ethical Committee (IEC), SRM University, Delhi-NCR, Sonepat, Haryana. He was Technical Expert – for Eye Tracking at AIIMS, Raipur & Rishikesh. He was **Technical Expert –** for ECT at AIIMS, Jodhpur, Raipur, Bibinagar, Bhubaneshwar & Rishikesh. He was External Expert for establishment of mECT services at VMMC & Safdarjung Hospital, Delhi. He was External Supervisor for University of Queensland - IIT Delhi Academy of Research (UQIDAR) - AIIMS joint PhD program. He was Member Secretary of the board for formulation of Rules of the Rights to Person with Disability Act. He was Doctoral Committee Member for PhD–Effect of Probiotics and repetitive Transcranial Magnetic Stimulation on cognitive and motor function in 6-hydroxy Dopamine rat model of Parkinson's Disease; Department of Physiology, AIIMS, New Delhi; Profiles of risk and resilience: A cross-sectional study to delineate demographic, psycho-social and clinical predictors of Nomophobia among Indian college students; NDDTC, AIIMS, New Delhi; Exploring neuroimaging and metabolomic markers associated with opioid dependence and pharmacotherapy; Department of NMR, AIIMS, New Delhi. He was Chairperson at Conference/CME/Symposium/Workshop– Chairing the *Open Session* on 4 January 2025 at the 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology (NCPO-2025) held on 3-5 January 2025 at JLN auditorium, AIIMS, New Delhi; Chairing the lecture on *Discovering the Biology of Mental Illness* at the 19th Annual Conference of the Indian Association of Biological Psychiatry (IABP) held on 22-23 February 2025 at Westin, Gurgaon. His Thesis evaluation – MD Thesis, PGIMER, Chandigarh. UG Medical/Nursing Teaching Lecture. Extramural Collaborative work– Collaboration with IIIT-D for *Machine learning model development for determining Depression response.* University of Queensland - IIT Delhi Academy of Research (UQIDAR) joint PhD program for *Examining stress and cognitive-affect processing in emotion disorders.* He was External Supervisor at University of Queensland, Australia.

Dr Gagan Hans was invited as a Subject Expert for the selection of Faculty in the specialty of Psychiatry at AIIMS, Vijaypur, Jammu on 26 November 2024. He was invited as a Panel Expert for the selection of Scientist B, a Group A gazette post (Level 10) at the Ministry of Home Affairs, Govt. of India on 15-20 January 2025. He was Joint Organizing Secretary of "5th Hands-on-Workshop on Neuromodulation (rTMS)", 24 -26 October 2024. He was Joint Organizing Secretary of "6th Hands-on-Workshop & 9th National CME on Neuromodulation (rTMS)", 19-21 December 2024. He Conducted Pre CME Workshop on "Neuromodulation in Psychiatry" on 14 September 2024 at Nalanda Hall, Base Hospital Delhi Cantt**.** in CME on Consultation Liaison Psychiatry Bridging gaps between specialties, CLIP 2024. He was Awarded Consortium Psychiatricum's "Most Read Article Award 2024 WINNER – FIRST PLACE" for paper "Community-Based Mental Health Services in India: Current Status and Roadmap for the Future" as one of the most read article published in Consortium Psychiatricum in 2020-2021. He was Awarded Consortium Psychiatricum's "Most Cited Article Award 2024 WINNER – THIRD PLACE" for paper "Community-Based Mental Health Services in India: Current Status and Roadmap for the Future" as one of the most cited article published in Consortium Psychiatricum in 2020-2021. His Interview published

by Consortium Psychiatricum journal after winning "Most Read and Most Cited Award 2024" on "How to succeed in writing a paper that is popular with readers." He was in-charge Examination Cell IACAM (Indian Association of Child and Adolescent Mental Health) Academy for conducting online certificate courses in Child and Adolescent psychiatry. He Served as Internal Examiner for conducting the final professional examination of MD in Psychiatry, 12–13 December 2024. He Presented CCR from the Department of Psychiatry on topic "Depression with severe Blepharospasm: A Deep TMS Approach" on 11 March 2025. He was Peer Reviewer for the Journal Autism, Journal of Mental Health and Human Behavior, Clinical Case Reports, Indian Journal of Social Psychiatry and Frontiers of Public Health. He had TV Interviews on **SANSAD TV** on topic "Dil se Dil ki Baat: Autism Spectrum Disorders" on 26 March 2025, **DD KISSAN** on topic "Psychiatric Disorders in children and Adolescents" on 16 November 2024, **DD KISSAN** on topic "Challenges in Autism" on 6 July 2024 to increase public awareness on mental health issues.

Dr Vaibhav Patil Received JK Trivedi Award for the best paper in the 31st Annual National Conference of the Indian Association for the Social Psychiatry held at Mysore, India.

Dr Barre Vijay Prasad Conducted the 3-day 1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-oncology (NCPO-2025). Organized by the Department of Psychiatry, in collaboration with BRBRICH, Department of Medical Oncology, Department of Palliative Medicine and Anesthesia, Department of Radiation Oncology, Department of Surgical Oncology, and College of Nursing at AIIMS, New Delhi, from 3 January 2025 to 5 January 2025.

Dr Nishtha Chawla was invited as judge for free-posters in National Conference on Psychotherapeutic Assessments and Interventions in Psycho-oncology held at AIIMS, New Delhi (4 January 2025). Invited chairperson and judge for free paper and poster session at National Mid-term CME of IASP held in MGIMS, Sevagram, Maharashtra (29 March 2025). Received Dr VD Meel Poster award at 48 Annual Conference of Indian Psychiatry Society North Zone (ACIPSNZ). The paper has also been published in the North Zone Journal. Received Dr Buckshey award (as co-author) at 48 Annual Conference of Indian Psychiatry Society North Zone (ACIPSNZ). The paper was also nominated from north zone as the best zonal paper to compete for The Bombay Psychiatric Society Silver Jubilee Year Award at 75th Annual National Conference of Indian Psychiatric Society (ANCIPS). The award certificate and award money were presented in the conference in January 2025 in the 76 ANCIPS. Received the Indian Psychiatric Society Young Psychiatrists award and Poona Psychiatrists Association (PPA) – II award at 76th Annual National Conference of Indian Psychiatric Society in January 2025, for the presentation made last year. Received the international travel grant from Department of Science and Technology (DST), Govt of India for Fast Track Cities Conference, held at Paris in October 2024. Award for "best PowerPoint animation" prize in Workshop on Animation in PowerPoint (15 April 2024) held at SET Facility at AIIMS, New Delhi. Announced as winner of for VK Varma award (co-author of the winning paper) at National Conference of Indian Association for Social Psychiatry held in Mysore in November 2024. The award certificate will be presented next year. Nominated as one the faculty in-charges of Physiotherapy unit at JPN Apex Trauma Centre, AIIMS, New Delhi.

Dr Swati Kedia was Organizing Secretary for National CME on, "Cancer Pain: Holistic Management" organized jointly by Department of Onco- Anaesthesia & Palliative Medicine & Department of Psychiatry, AIIMS New Delhi in joint collaboration with the National Academy of Medical Sciences organized at National Academy of Medical Sciences, Delhi on 28 April 2024. She is Assistant Editor for Indian Journal of Social Psychiatry from March 2024-till date. She was Reviewer: Psychosocial Journal of Rehabilitation. She was Reviewer: Indian Journal of Social Psychiatry. She was Reviewer: Frontiers in Psychiatry. She is Live Talk on All India Radio on Geriatric Mental Health and Suicide Prevention on All India Radio. She was the External Examiner for MPhil Clinical Psychology Examination at Institute of Human Behavior and Allied Sciences (IHBAS), Delhi and Government Medical College and Hospital (GMCH), Chandigarh. She was Moderated online panel discussion on "Step Towards Gender-sensitive Society" organized by National Association of Mentors for Adolescent Health (NAMAH) on 13 April 2024. She was Invited as Expert Reviewer for project "METROPOLIS" managed by King's College London in collaboration with Sangath and OP Jindal Global University and funded by Wellcome Trust. She was Member of Psychiatry and Clinical Psychology sub-committee for developing Standard Operating Procedures for Medical Treatment of Transgender Persons under the PMJAY scheme. She was Nominated Panel member of Central Committee for handling Aircraft Hijack. She was Panelist for the symposium titled- "Dementia A comprehensive update" presented at Elderly Empowerment and Graceful Ageing- 21st Biennial International Conference of AGI (2024) held from 13-15 December 2024 at New Delhi. She was Panelist for the symposium titled- "Geriatric Oncology and Translational Research" presented at Elderly Empowerment and Graceful Ageing - 21st Biennial International Conference of AGI (2024) held from 13-15 December 2024 at New Delhi. She was invited Expert to conduct training program for BSF personnel and Training of Trainers (3-sessions).

Dr Preethy K Was awarded "Certificate of Honour" in recognition of contribution to advancement of medical sciences and implementation of NAVIGATE CME program, from the hands of Governor of Delhi during the 64th NAMS foundation day held on April 2024. Selected as the Fellow of Indian Association for Geriatric Mental Health; Selected as Member, Advocacy and Policy Committee, International Psychogeriatric Association; Selected as Member, Committee for Geriatric Related Policies, Indian Association for Geriatric Mental Health; Chief Co-ordinator and Moderator for the Navigate-

Medico CME Program under National Academy of Medical Sciences, an online CME program targeting the post-graduate students across India; Associate State Nodal Officer of the Delhi State Chapter of the National Academy of Medical Sciences; Expert member of the Expert Committee for the ICMR's mission mode project titled "**Capacity Building Training for Frontline Health Workers for Screening and Management of Common Mental Health Disorders in Primary Care".** Organising Secretary for the AIIMS-NAMS Joint CME on "Cancer Pain: Holistic Management". Co-Organising Secretary for the 1st National Conference on "Psychotherapeutic Assessment and Interventions in Psycho-Oncology" as Co-Organising Secretary. Chairperson for the ISAM-NExT and NECPAM Joint Webinar on Opioid Agonist Maintenance Treatment: Regulations across countries held on 10 November 2023. Session Judge for Poster Presentations at 1st National Conference on "Psychotherapeutic Assessment and Interventions in Psycho-Oncology". Chairperson for Oral Presentation at 1st National Conference on "Psychotherapeutic Assessment and Interventions in Psycho-Oncology". Evaluation of MD Psychiatry Thesis from B.P. Koirala Institute of Health Sciences, Nepal.

Dr Renu Sharma was Chaired a session of invited lectures in International conference on Holistic health: exploring interconnected realms of well-being organized by SGT University, Gurugram, 17-19 September 2024. She Chaired Open paper Session 5: Psycho-oncological evaluations ans Interventions for Adults during National Conference on Psychotherapeutic Assessments And Interventions in Psycho-oncology, organized by Department of Psychiatry, New Delhi, 3-5 January 2025. She Chaired open paper session 10: Palliative care and Psycho-oncology and models of Oncology and Indian system of Mind-body focused Models, organized by Department of Psychiatry, New Delhi, 3-5 January 2025. She Chaired open paper session 12: Pediatric Psycho-oncolgy and Psycho-oncological evaluations and Interventions for adults and nursing and Psycho-oncology, organized by Department of Psychiatry, New Delhi, 3-5 January 2025. She was Co-Organizing Secretary of National Conference on Psychotherapeutic Assessments And Interventions in Psycho-oncology, organized by Department of Psychiatry, New Delhi, 3-5 January 2025. She Judged Poster presentation Session in National Conference on Psychotherapeutic Assessments And Interventions in Psycho-oncology, organized by Department of Psychiatry, New Delhi, 3-5 January 2025. She Organized 3 days training workshop on "Parent mediated Intervention for Children with Autism", 27-29 March 2025 at AIIMS, New Delhi. Paper entitled "Neuro-cognitive profiling of Neuro-cognitive deficits in pediatric cancer survivors" was awarded Best Paper in National Conference on Psychotherapeutic Assessments And Interventions in Psycho-oncology, Track 1, theme: Pediatric psycho-oncology, organized by Department of Psychiatry, New Delhi, 3-5 January 2025. Paper entitled " Development of Multidimensional Comprehensive Screening Tool (MCOST-51) on overall functioning for children with Cancer: A preliminary analysis." was awarded Best Paper in National Conference on Psychotherapeutic Assessments And Interventions in Psycho-oncology, Track 3, theme: Pallative care, technology and cultural issues in psycho-oncology, organized by Department of Psychiatry, New Delhi, 3-5 January 2025.

Member of Local Multi-disciplinary Team (MDT) to look into the management issus for children with disorders of sex differntiation (DSD) requiring SRS. Member of core committee of Indian Association of Paediatric Surgeons to formulate guidelines for antenatal counselling.

9.36 Pulmonary Medicine

Professor and Head

Anant Mohan

Professors

Karan Madan | Vijay Hadda

Assistant Professors

Saurabh Mittal | Pawan Tiwari | Tejas Suri

Scientist I

A Surendranath

HIGHLIGHTS

Our department organised an international workshop on Ultrasound in Critical Care and a two-day pulmonary medicine update, which was attended by more than 500 delegates from across the country and South Asia. We also organised Current Perspectives in Interventional Pulmonology, which encompassed workshops and lectures on various aspects of Interventional Pulmonology, involving eminent faculty from around the world.

EDUCATION

Short-term trainees/observers: 4

Innovative Educational Activities: A hands-on workshop on diagnostic bronchoscopy, endobronchial ultrasound, and medical thoracoscopy was conducted for trainees across the nation. Our department also organised a two-day OSCE-based mock Examination Workshop for postgraduate trainees in Respiratory medicine.

CMES/Workshops/Symposia/National and International Conferences

1. Current perspectives in Interventional Pulmonology: CPIP 2025, 10-12 January 2025, New Delhi
2. AIIMS PULMOCRIT 2025: Update, 22-23 March 2025, New Delhi
3. Workshop on Basic & Advanced Ultrasound in Critical Care, 20-21 March 2025, New Delhi
4. Nebulisation Workshop, 11 May 2024, New Delhi
5. Future Chest: The Prelims, 1 and 2 February 2025, New Delhi
6. Demystifying Obstructive Sleep Apnea, 8 December 2024, New Delhi

Lectures delivered at CMEs, National and International Conferences.

Lectures delivered: 83

Anant Mohan: 32 **Karan Madan: 8**

Saurabh Mittal: 20 **Pawan Tiwari: 14**

Tejas Suri: 9

Anant Mohan

1. Role of EBUS in lung cancer staging, LC MDT, 11 April 2024, New Delhi
2. Biomarkers for predicting ARDS, Update, 13 April 2024, New Delhi
3. COPD online meeting, Webinar, 13 April 2024, New Delhi
4. Endobronchial biopsy and TBLB, Bronchopulmonary World Congress, 19 April 2024, New Delhi
5. Viral pneumonias: when to treat and not to treat, Bronchopulmonary World Congress, 22 April 2024, New Delhi
6. Workshop on Bronchoscopic management of hemoptysis, SUNRISE-CHEST, 27-28 April 2024, Mumbai

7. Rare ILDs and cystic lung diseases, ILD Expert conclave, 4-5 May 2024, Bengaluru
8. Panel discussion: "Future of Sleep Medicine in India", Sleepcon, 15 June 2024, Delhi
9. Lecture: Immunotherapy guideline, National Heart and Lung Institute, 23 June 2024, Delhi
10. EBUS/EUS-B in Lung cancer staging, Medanta Medicon, 7 July 2024, Gurgaon
11. Selecting optimum criteria for lung transplant recipients, Sunrise CME, 13-14 July 2024, Bengaluru
12. Lung Cancer in India, Pulmonary Thoracic Update, 21 July 2024, Mumbai
13. Breath biopsy and e-nose: basics to current scenario, NALCCON, 5 October 2024, Rishikesh
14. SCLC panel moderator, NALCCON, 6 October 2024, Rishikesh
15. Bronchiectasis panel moderator: newer concepts in management, NATCON, 19-20 October 2024, Jaipur
16. Pharmacotherapy of asthma 22 October 2024, VPCI, 22 October 2024, Delhi
17. "Interventional Pulmonology": an update, RAJAPICON, 26 October 2024, Jodhpur
18. OSA and its complications., Sharda University, 13 November 2024, NCR
19. Moderator of Sarcoidosis management session, WASOG, 15 November 2024, Agra
20. High altitude pulmonary edema: physiological consequences, AIIMS, 24 November 2024, New Delhi
21. Bronchoscopy and BAL in the ICU, Indian Chest Society, 1 December 2024, Gurugram
22. Lung cancer screening-moderator, Ambedkar Convention Centre, 7 December 2024, Delhi
23. Central airway obstruction management, webinar, January 7 2025, online
24. Mechanical Ventilation Workshop, NAPCON, January 23 2025, Pune
25. NTM panel moderator, NAPCON, 24 January 2025, Pune
26. World Cancer Day panel discussion, AIIMS, 4 February 2025, New Delhi
27. Panel discussion, World Diagnostics Forum meeting, Hotel Eros, 8 February 2025, Delhi
28. COPD recent advances, Webinar, 8 February 2025, Online
29. Moderator of COPD early diagnosis and prevention, ERS India, 9 February 2025, Delhi
30. Moderator of panels in Clinical perspectives on CHIS in Influenza, THSTI, 13 February 2025, Faridabad
31. Latent TB treatment, CAHO conference, 24 March 2025, New Delhi
32. Transition of cystic fibrosis to adult care, PULMOCRIT 2025, 24 March 2025, New Delhi

Karan Madan

1. Interventions in the Airway: Therapeutic Bronchoscopy, Respicrit, 7 April 2024, Lucknow
2. Bronchoscopic Management of Prolonged Air Leak, 8th National Update on Pulmonary, Critical Care and Sleep Medicine, 3-04 May 2024, Srinagar
3. Bronchial biopsy, TBNA and Linear EBUS in Children, ABIP 2024, 11 May 2024, Kochi
4. Pulmonary Neoplasms, 4th Respiratory Update, 20 July 2024, Goa
5. Workshop on Basic and Rigid Bronchoscopy, Workshop on Basic and Rigid Bronchoscopy, 15-16 June 2024, Dehradun
6. Rigid Intubation Transbronchial Lung Cryobiopsy, Trends in Interventional Pulmonology: Rigid Bronchoscopy workshop, 23 June 2024, Coimbatore
7. Bronchoscopic Management of Endobronchial Carcinoid, NALCCON 2024, 6 October 2024, Rishikesh
8. TB diagnostics: Advanced modalities, CAPI 2024 (Conclave of Advanced Pulmonary Interventions), 24 August 2024, Bengaluru

Saurabh Mittal

1. Management of ANCA-associated Vasculitis, NITRD, 19 February 2025, NITRD, Delhi
2. Peripheral Nodule Sampling: Safety concerns, Pulmonary Update, 09 March 2025, AIIMS, Raipur

3. Advancements In diagnosis of OSA: from clinical suspicion to comprehensive sleep analysis, DOSACON, 16 March 2025, Birla Hospitals, Delhi
4. ABG Analysis for PGs, PG update, 01 February 2025, AIIMS, Delhi
5. Obesity Hypoventilation syndrome, NAPCON, 24 January 2025, Pune
6. ABG Analysis, NAPCON, 23 January 2025, Pune
7. Hypoglossal Nerve Stimulation, NAPCON-2024, 22 November 2024, Coimbatore
8. Panel Discussion on ILD, NAPCON-2024, 21 November 2024, Coimbatore
9. SEMS for Benign Airway Obstruction, CPIP-2024, 11 January 2025, AIIMS, Delhi
10. Phenotyping OSA: What every clinician should know, Pulmonary Update, 09 March 2025, AIIMS, Raipur
11. Image Interpretation of USG, PULMOCRIT-2025, 20 March 2025, AIIMS, New Delhi
12. Unpacking Anti-Obesity Therapy for OSA, PULMOCRIT-2025, 22 March 2025, AIIMS, New Delhi
13. Asthma and OSA, VPCI, 22 December 2024, VPCI, Delhi
14. Diagnostic evaluation of OSA, OSA workshop, 22 March 2025, AIIMS, New Delhi
15. PAP selection in OSA, OSA workshop, 22 December 2024, AIIMS, New Delhi
16. Hypersomnia management, NATCON-2024, 18 October 2024, Indian association of TB, Jaipur
17. Sleep in Elderly, SEAASM-2024, 06 October 2024, South East Asian academy of sleep medicine, Indore
18. Radial EBUS for PPLs, Nodule conference, 5 October 2024, Yashoda, Hyderabad, Hyderabad
19. Rigid bronchoscopy: Dos and DON'Ts, PACS 2024, 08 August 2024, PACS foundation, Ghaziabad
20. Pulmonary function and 6-MWT in CTD-ILD, OARC Update III" Breathing Deep into Lung Rheumatology", 4 August 2024, OARC, Bhubaneswar

Pawan Tiwari

1. Panel discussion in Palliative Care in Lung Cancer, Oncoanesthesia CME, 4 May 2024, Oncoanesthesia, AIIMS, New Delhi
2. Vaccination in COPD/Asthma/Bronchiectasis, Update 2024 Masterclass on Obstructive Airway Diseases, 2 October 2024, PGIMER, Rohtak
3. Enhancing Diagnostic Accuracy of Benign and Malignant lung nodules through artificial intelligence Driven Computed Tomography, NAPCON 2024, 23 November 2024, ICS, Coimbatore
4. Guidelines for antibiotic prescription in critically ill patients, NAPCON 2024, 24 November 2024, ICS, Coimbatore
5. Mechanical Ventilation Workshop: HFNC, Nuts and Bolts, NAPCON 2025, 23 January 2025, ICS, Pune
6. Hands-on Workshop: Station on Initiation and Monitoring in Invasive Mechanical Ventilation, NAPCON 2025, 23 January 2025, ICS, Pune
7. NIV in ARDS: How and when?, NAPCON 2025, 24 January 2025, ICS, Pune
8. Emerging MDR Pathogens in Lung Infections and Their Salvage Therapy, NAPCON 2025, 25 January 2025, ICS, Pune
9. Panel Discussion on choosing antibiotics in Pulmonary and Critical Care: Moderator, NAPCON 2025, 25 January 2025, ICS, Pune
10. OSA and COPD: Do They Coexist?, NAPCON 2025, 25 January 2025, ICS, Pune
11. Pulmonary Infections: Session Subject Expert, NAPCON 2025, 25 January 2025, ICS, Pune
12. OSCE Practice Questions and Answers for PGs, PG update, 01 February 2025, AIIMS, New Delhi
13. Workshop in Critical Care Ultrasound: Station on Echocardiography, PULMOCRIT-2025, 21 March 2025, AIIMS, New Delhi
14. Wearables in Respiratory Medicine, PULMOCRIT-2025, 22 March 2025, AIIMS, New Delhi

Tejas Suri

1. Diagnosis & Management of OSA-COPD Overlap Syndrome, Sleepcon 2024, 14 June 2024, Indian Sleep Disorders Association, Delhi

2. Personalized Therapies for OSA – Where do we stand? Sleepcon 2024, 15 June 2024, Indian Sleep Disorders Association, Delhi
3. An update on management of bronchial asthma – GINA guidelines 2024, Bronchial Asthma School Course 2024, 28 July 2024, Amrita Hospital, Faridabad
4. Pre-operative evaluation and postoperative management in patients with OSA, NAPCON 2024, 21st November 2024, National College of Chest Physicians, Coimbatore
5. Non-PAP therapy for OSA, Demystifying OSA, 8 December 2024, AIIMS, New Delhi
6. Mastering APAP & CPAP: Hands-on instructional course, IASSACON 2024, 14 December 2024, Indian Association of Surgeons for Sleep Apnea, Chennai
7. CPAP Decisions: Timing, Patient Selection and Rationale for Therapy, IASSACON 2024, 14th December 2024, Indian Association of Surgeons for Sleep Apnea, Chennai
8. Outdoor Air Pollution in India: Sources, Health Effects & Work on Amelioration, IASLC Webinar on Air Pollution, 5 February 2025, International Association for the Study of Lung Cancer, Webinar
9. Interpretation of Spirometry using the latest recommendations: a case-based approach, PULMOCRIT 2025, 23 March 2025, AIIMS, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024-2025
74	95	83

List of oral papers/posters presented: 2

1. Mitra DK, Kaur P, Mehta G, Mohan A, Basil M., Immune Checkpoint Inhibitors in TB Patients: Impact on In Vitro Bacillary Clearance. InB106. TUBERCULOSIS BREAKTHROUGHS, American Thoracic Society, 2024 May San Diego, California
2. Mohan A, Suri TS, Ghosh T, Mittal S, Hadda V, Madan K, Prevalence of Chronic Obstructive Pulmonary Disease Among Nonsmokers in India: A Systematic Review and Meta-Analysis, American Thoracic Society, 2024 May San Diego, California

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
5	6	2

RESEARCH

Funded

Ongoing

1. A comparison of two peripheral arterial tonometry-based sleep devices for the diagnosis of obstructive sleep apnea. (Funded by AIIMS, Delhi), Dr. Saurabh Mittal, AIIMS Intramural Fund, 1 Year, 2024-2025, Rs 5 Lakhs
2. A longitudinal multisystem and genetic assessment of incidence and risk factors for chronic sequelae following COVID-19 infection, Dr. Anant Mohan, ICMR, 3 Years, 2021- 2024, Rs 94.85 Lakhs
3. A randomized controlled trial to assess the efficacy of inhaled Formoterol/Glycopyrronium combination (LABA+LAMA) vs inhaled Glycopyrronium (LAMA) alone in patients with symptomatic Post Tubercular lung disease, Dr. Saurabh Mittal, ICMR, 3 Years, 2023-2026, Rs 62 Lakhs
4. A Randomized, Double-blind, Parallel Group, Multi-centre, Phase III Study to Assess the Efficacy of Budesonide, Glycopyrronium, and Metered Dose Inhaler Relative to Glycopyrronium and Formoterol Fumarate MDI on Cardio-pulmonary Outcomes in Chronic Obstructive Pulmonary Disease (THARROS), Dr. Anant Mohan, AstraZeneca, 5 Years, 2024-2029, Rs 47 Lakhs
5. Applicability of International Lung Cancer Screening Criteria in Indian subjects: a pilot study, Dr. Anant Mohan, AIIMS-University College London, 1 Year, 2024-2025, Rs 5.0 Lakhs

6. Application of non-linear analysis of oxygen saturation for the diagnosis of obstructive sleep apnea and its correlation with cardiovascular risk in Indian subjects.: Funded by AIIMS Delhi (AIIMS-UCL collaborative research), Dr. Saurabh Mittal, AIIMS UCL Collaborative Research Grant, 1 Year, 2024-2025, 10 Lakhs
7. Assessment Of Feasibility And Safety Of EBUS TBNI with Nivolumab In Patients With Advanced NSCLC, Pawan Tiwari, Research Section, AIIMS, New Delhi, 1 Year, 2024-2025, Rs 5 Lakhs
8. Development and Validation of Artificial Intelligence Tool For Screening/detection of Pulmonary TB and other lung diseases using Chest X-rays, Dr. Anant Mohan, ICMR, 1 Year, 2025-2026, Rs 17.32 Lakhs
9. Development and Validation of Artificial Intelligence Tool for Screening/Detection of Pulmonary TB and other lung diseases using Chest X-rays, Dr. Anant Mohan, ICMR, 3 Year, 2023-2026, Rs 41.46 Lakhs
10. Evaluating the role of MicroRNAs as Biomarkers for Early Diagnosis and prognosis of Lung Cancer: A comparative study using Exhaled Breath Condensate, sputum, blood and Bronchial brushing., Dr. Anant Mohan, ICMR, 3 Years, 2022-2025, Rs 37 Lakhs
11. Exhaled Breath condensate as a promising non-invasive method for identification of clinically relevant genetic mutations in lung cancer, Dr. Anant Mohan, ICMR, 3 Years, 2024-2027, Rs 30.0 Lakhs
12. Investigating and Translating genomic evidence for public health response to SARS COV-2 (INSIDE –SARS COV2), Dr. Anant Mohan, DST Indo-Italian Network, 3 Years, 2022-2025, Rs 210 Lakhs
13. N-acetyl cysteine therapy in patients with tuberculosis: A Pilot Open-Label Randomized controlled trial, Dr. Saurabh Mittal, DBT, 2 Years, 2024-2026, Rs 50 Lakhs
14. Preventing Adverse Cardiac Events (PACE) in Chronic Obstructive Pulmonary Disease (COPD), Dr. Anant Mohan, NHMRC, 5 Years, 2022-2025, Rs 22.88 Lakhs

Completed

1. A Comparative Proteomics And Metabolomics study of Idiopathic Pulmonary Fibrosis (IPF) And Post-COVID Pulmonary Fibrosis (pepf) To Identify New Pathological And Therapeutic pathways, Dr. Vijay Hadda, ICMR, 2 Years, 2022-2024, Rs 86.60 Lakhs
2. A longitudinal multisystem and genetic assessment of incidence and risk factors for chronic sequelae following COVID-19 infection, Dr. Anant Mohan, ICMR, 3 Years, 2021-2024, Rs 94.85 Lakhs
3. A randomized, double blind, placebo-controlled, prospective, multicenter, phase 2, dose-finding study of Itraconazole administered as a Dry Powder for Inhalation (PUR1900) in adult subjects with Asthma and Allergic Broncho-pulmonary Aspergillosis (ABPA), Dr. Anant Mohan, Cipla, 2 Years, 2022-2024, Rs 0.65 Lakh per patient
4. Application of the Sciences of Breathomics in Respiratory Diseases, Dr. Anant Mohan, ICMR-CARE (Centre for Advanced Research and Excellence), 6 Years, 2019-2025, Rs 500 Lakhs
5. Delineating the mitochondrial alternations in immune cells during post COVID-19 Pulmonary Fibrosis, Dr Vijay Hadda, AIIMS, 2 Years, 2022-2024, Rs 10 Lakhs
6. ICMR'S Network of Pulmonary Fibrosis (INPF), Dr. Vijay Hadda, ICMR, 3 Years, 2022-2025, Rs 82.70 Lakhs
7. National Environmental Health Profile study in 20 Cities, Dr. Vijay Hadda, MEFCC, 5 Years, 2019-2024, Rs 62.67 Lakhs
8. Randomized double blind placebo controlled clinical study of ayurvedic coded drug "Ayush A" in the management of bronchial asthma (tamakashwasa), Dr. Anant Mohan, Ministry of Ayush, 3 Years, 2021-2024, Rs 60.4 Lakhs
9. Role of heavy metals and toxic elements in the etiology, severity and progression of non-idiopathic pulmonary fibrosis diffuse parenchymal lung diseases, Dr. Vijay Hadda, AIIMS, 2 Years, 2022-2024, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Burden of care giving to the patients with interstitial lung disease: a cross sectional study
2. Development of real-time PCR Technique using the CotH gene as a target for early diagnosis of Mucormycosis
3. Evaluating the role of MicroRNAs as Biomarkers for Early Diagnosis and prognosis of Lung Cancer: A comparative

4. Evaluation of clinical outcomes of various treatment regimens for lung cancer at a tertiary centre: a 15-year analysis
5. Evaluation of Lung Function and Lung Volumes In Indian Patients with Obesity and Diabetes study using Exhaled Breath Condensate and Bronchial brushing
6. Exploration of Immune Transcriptomics in Non-Specific Interstitial Pneumonia (NSIP)
7. Gene expression and immunometabolic profiling to elucidate the pathophysiology of pulmonary fibrosis
8. High Flow nasal oxygen therapy versus noninvasive ventilation for prevention of reintubation in patients with hypercapnea at extubation: A randomised controlled trial
9. Host and Environmental factors in the acute exacerbations of childhood interstitial lung disease
10. Impact of eosinophil based corticosteroid therapy on treatment success and adverse events in AECOPD A Randomised Controlled trial
11. Improving Influenza management and prevention practices of Physicians in selected cities of India
12. Incidence of Lung cancer using low-dose CT screening in high-risk subjects
13. Investigating clinically relevant genetic mutations and biomarkers in lung cancer using Exhaled Breath Condensate (EBC)
14. Low dose computed tomography for lung cancer screening: An ambispective follow up study
15. Mechanistic Insights on the Role of One Cut Homeobox 2 (ONECUT2) Transcription Factor in Small Cell Lung Cancer
16. Metabolomic Signatures of Non-Specific Interstitial Pneumonia (NSIP)
17. Performance of Aspergillus PCR on mini Bronchoalveolar Lavage Fluid for the Diagnosis of Invasive Pulmonary Aspergillosis using BM Aspicu criteria: A cross-sectional Diagnostic test validation study
18. Prevalence of NTM in chronic lung diseases
19. Role of prophylactic tranexamic acid instillation in reducing the severity of bleeding during endobronchial biopsy: a double blind randomized controlled trial
20. The feasibility of weekly paclitaxel in improving performance status of advanced NSCLC patients with poor performance status: A single-arm phase two trial

Completed

1. A randomized, double blind, placebo-controlled, prospective, multicenter, phase 2, dose-finding study of Itraconazole administered as a Dry Powder for Inhalation (PUR1900) in adult subjects with Asthma and Allergic Broncho-pulmonary Aspergillosis (ABPA), Dr. Anant Mohan, Cipla, 2 Years, 2022- 2024, Rs 0.65 Lakh per patient
2. Application of the Sciences of Breathomics in Respiratory Diseases, Dr. Anant Mohan, ICMR-CARE (Centre for Advanced Research and Excellence), 6 Years, 2019-2025, Rs 500 Lakhs
3. Randomised double blind placebo controlled clinical study of ayurvedic coded drug "Ayush A" in the management of bronchial asthma (tamakashwasa), Dr. Anant Mohan, Ministry of Ayush, 3 Years, 2021-2024, Rs 60.4 Lakhs

Collaborative projects

Ongoing

1. Applicability of International Lung Cancer Screening Criteria in Indian subjects: a pilot study, AIIMS-UCL
2. Investigating and translating genomic evidence for public health response to SARS-Cov-2 (INSIDE –SARS-COV-2), Indo-Italian network

RESEARCH OVER THE PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024-25
Total funded projects	11	15	14
Total funding	Rs 11.68 Lakhs	Rs 14 Lakhs	Rs 636.51 Lakhs

Publications

Journals: 35 **Abstracts: 05** **Chapters in Book: 02**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**69**	**35**	**42**

PATIENT CARE

Item	2022–2023	2023–2024	2024–2025
OPD consultations	32965	34989	39, 451
Special clinic consultations	3872	4549	5241
Patients provided rehabilitation services	3172	2100	5079
Total inpatient admissions	5077	5712	5436

- **Pulmonary Medicine OPD (Mon / Thursday)**
  - New Cases 10, 007
  - Old Cases 29, 444
- **Lung Cancer Clinic (Wednesday, 2.00 PM)**
  - New Cases 370
  - Old Cases 1240
- **Combined Pulmonary Surgery Clinic (Wednesday, 2.00 PM)**
  - New Cases 341
  - Old Cases 805
- **Sleep Disorder Clinic (Friday, 2.00 PM)**
  - New Cases 165
  - Old Cases 524
- **ILD/ PAH Clinic (Friday, 2.00 PM)**
  - New Cases 303
  - Old Cases 1493
- **LABORATORIES**
- **(A) Respiratory laboratory**
  - PFT + BDR 15332
  - DLCO 3710
  - Body Plethysmography (Body Box) 577
  - IOS 822
  - MIP/MEP 25
  - BCA 10
- **(B) Bronchoscopy Laboratory**
  - Flexible Bronchoscopy procedures 1664
  - Radial EBUS 103
  - Endobronchial Ultrasound (EBUS) 711

Mini Rigid Thoracoscopy	13
Rigid Thoracoscopy	03
Cryotherapy	23
Stenting	23
Electrocautery	20
Rigid bronchoscopy	21
Balloon Dilatatio(CRE)	14
Spigot	02
APC	05
Laser	03
TMC	20
Glue Instillation	02
Foreign body removal	03
VBN	05
Conventional TBNA	08
Flouroscopy	02

- **(C) Sleep laboratory**

Polysomnography studies	579
Actigraphy	07
Watch PAT	77
MSLT	04

- **(D) Allergy Testing Lab**

Total IgE Level	4881
Specific Aspergiillus IgE Level	2846
Specific Aspergiillus IgG Level	2967
Skin Prick Test	30
ADA Level	320
ACE Level	90
CPET	140

- **(E) Rehabilitation Lab**

Six-minute Walk Tests	1955
Physiotherapy	3124

- **(F) DOTS Centre**

Total Referral Patients	25257

- **(G) Indoor Outdoor Patients**

ICU	288
Ward /Day Care	5148

- **(H) Chemotherapy Procedure**

Total Procedure	2168

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Anant Mohan was Conferred the post of Honorary Professor in Respiratory Medicine at the University College London from 2023 to 2026. He Continues as Nodal Clinical Faculty from AIIMS in the Mou between AIIMS and the

University of California, Davis since July 2022. He is Fellow, Royal College of Physicians (London), Fellow of the American College of Chest Physicians; member of the American Thoracic Society (ATS), European Respiratory Society, International Association for Study of Lung Cancer (IASLC), National Academy of Medical Sciences, National College of Chest Physicians, Association of Physicians of India, International Medical Sciences Academy, Indian Association for Bronchology, and Indian Society for Study of Lung Cancer. He is Nodal Officer In-charge of AIIMS DOTS Centre since February 2017. He is Member of the Independent Expert Committee-Serious Adverse Events, Drugs Controller General (India) since July 2016. He was Chairman of the AIIMS Transport Section since January 2018. He was Member of the Selection Committee for staff recruitment in various AIIMS Research Projects since April 2018. He is Expert Member of the Delhi Organ Transplant Cell since February 2019. He is Member of the Commission for Air Quality in National Capital Region and Adjoining Area Ordinance, 2020 and Sub-Committee on "Research and Development". He is Member of the Ministry of Health constituted a subcommittee for preparing modules for COPD for doctors working in the emergency room since August 2023. He is Continuing as: External examiner Panel for DM, MD (respiratory medicine) in several Institutes, Chairman of the Respiratory diseases Expert group for the National Board of Examinations., member of Expert panel of Air Quality Management in National Capital Region and Adjoining Areas Ordinance of Commission for Air Quality in National Capital Region and Adjoining Areas, New Delhi, Member of Expert panel of Environmental Diseases Project Review Committee of ICMR, New Delhi, expert Faculty for Formulating guidelines for managing COPD, Asthma under the NCD Division, Ministry of Health and Family Welfare, GOI, Member of the Ethics Committee of V.P. Chest Institute, Delhi since February 2019, Chairman of Extended Research Advisory Committee (RAC) of VPCI since 2019, Chairman of Committee for Kendriya Vidyalaya, INA, Delhi since July 2022, Expert member in DST Committee for Review of projects since May 2024, Member of Ethics Committee of CSIR-IG, Kolkata since May 2024, Expert member of Committee for Respiratory Diseases, Ministry of Health since July 2024. National examiner for MRCP (PACES) examinations. Lead faculty in "Tuberculosis" segment of AIIMS-THSTI research collaboration since February 2025.

Professor Vijay Hadda served as Organising Chairman for the 5th National Biomedical Research Competition (NBRCOM - 2024).

Dr Saurabh Mittal served as Organising Secretary for a one-day workshop on Obstructive Sleep Apnea, "Demystifying OSA," on 8 December 2024, at AIIMS, New Delhi.

9.37 Radiology (Radiodiagnosis)

Professor and Head

Raju Sharma

Professors

Sanjay Thulkar (IRCH)	Sanjay Sharma (RPC)	Ashu Seith Bhalla
Smriti Hari		Shivanand Gamanagatti (Trauma Center)
Atin Kumar (Trauma Center)	Chandan J Das	Madhusudhan KS
Manisha Jana	Surabhi Vyas	Devasenathipathy Kandasamy
Chandrashekhara SH (IRCH)		Smita Manchanda

Additional Professors

Ankur Goyal	Priyanka Naranje
Mukesh Yadav (IRCH)	Ekta Dhamija (IRCH)

Assistant Professors

Krithika Rangarajan (IRCH)	Amarinder Singh Malhi (Surgical block)
Ankita Aggarwal (Surgical block)	Rajendra Kumar Behera (National Center for Ageing)
Stanzin Spalkit	Sanchita Gupta (Contract basis- joined on 6 March 2025)

Chief Technical Officer (Group A)

Pawan Kumar Popli (superannuated on 31.1.25)	Arun Kerkette
Poonam Mukhi	Bhanu P Singh

HIGHLIGHTS

The department made several strides in enhancing patient care, education and research. A new RIS-PACS system was expanded which enabled the linking of imaging services of the Main hospital, New Private Ward, Trauma Centre, Surgical block, New RAK OPD and National Centre for aging (NCA). This link has ensured that reporting as well as reviews for expert opinion are shared between the various centres and blocks. This has significantly enhanced the quantity and quality of patient care services especially in emergency and critical care. Several modalities have been operationalized for 24X7 work schedule with significant increase in the number of studies and procedures performed. A new 3.0 T MRI has been operationalised in NCA providing advanced imaging services for patients. A collaborative Research Project of AIIMS with MOHFW and M/S AI Wadhwani is currently underway for classification and reporting of Chest Radiographs using deep learning, which is now part of AIIMS Centre of Excellence for Artificial Intelligence under the Ministry of Education.

The department hosted the first course of "5th AIIMS-MAMC-PGI Imaging Series" on Gastrointestinal & Hepatobiliary Radiology on 10 and 11 August 2024 at JL Auditorium, AIIMS, New Delhi. It was attended by over 300 delegates. This course was unique in that it marked the beginning of the 5th edition of a highly successful course (which has been running for almost the last 30 years), after a hiatus of 4 years. In addition to the CME/ conference, the course book was also launched.

The departmental faculty continued to be actively engaged in patient care, education and research. Faculty members delivered over 209 talks in various CMEs, national and international conferences. Faculty members were also actively involved in research and published over 179 papers in various indexed national and international journals and contributed 55 chapters to textbooks of Radiology. Three books were also published. A total of 55 posters and oral papers were presented in various conferences out of which 2 received awards in different forums. The department faculty members were principal investigators in 7 funded projects; and they were involved in more than 16 departmental projects and around 36 collaborative projects with other clinical departments. The faculty members received 16 awards during the year.

Thirty two interdepartmental clinico Radiological conferences are conducted every week. These included multidisciplinary discussion of cases done at AIIMS, Delhi and also elsewhere. Review of approximately 22000 scans done outside AIIMS was done over the year.

Clinical grand round (CGR) on *"Interventional radiology in managing hemoptysis: Two decades of teamwork*" was presented on 6th August 2024 in lecture theater-1 by department faculties. It was very well attended by residents and faculties of various departments at AIIMS.

EDUCATION

***Undergraduate**:*

The department faculty was actively involved in teaching undergraduate students. There were 40 lectures for undergraduates taken by the faculty in this period.

Postgraduate:

There were a total of 39 junior residents in the department during this period, including 9 new residents who joined the department. The department had four fellows pursuing their fellowships during this period. Academic activities for postgraduate students were regularly conducted and included around 24 journal clubs, 22 seminars, 20 case discussions, 98 interesting film sessions and 20 didactic lectures. Both online and offline platforms were utilized for the academic sessions.

BSc (Hons) Medical Technology in Radiography (BMRIT):

The duration of the updated course is now four years including one year Internship. A total of 39 students are currently pursuing the course.

CMEs/Workshops/Symposia/National and International Conferences:

The department hosted the first course of "5th AIIMS-MAMC-PGI Imaging Series" on Gastrointestinal & Hepatobiliary Radiology on 10 and 11 August 2024 at JL Auditorium, AIIMS, New Delhi. It was attended by over 300 delegates. This course was unique in that it marked the beginning of the 5th edition of a highly successful course (which has been running for almost 30 years), after a hiatus of 4 years. In addition to the CME/ conference, the course book was also launched, comprising twenty-seven updated chapters, covering all the important entities for practicing radiologists as well as post-graduate students. Every chapter was meticulously updated to incorporate the latest advancements, new guidelines and evolving concepts. New terminology and concepts in Metabolic Associated Steatotic Liver Disease (MASLD), MR elastography, updated BCLC and NCCN guidelines, LIRAD nomenclature, recent advances in Interventional Radiology options for hepatocellular carcinoma etc. were suitably highlighted.

The department held the *2nd Anoop Memorial Lecture* on 17 October 22 in online mode, on the topic of *Academia, entrepreneurship and the pursuit of excellence in Radiology*

Lectures Delivered at CMEs, National and International conferences:

Lectures delivered: 216

Raju Sharma: 23	**Ashu Seith Bhalla: 20**	**Smriti Hari: 10**
Shivanand Gamanagatti: 17	**Atin Kumar: 21**	**Chandan Jyoti Das: 11**
Manisha Jana: 17	**Surabhi Vyas: 10**	**Devasenathipathy Kandasamy: 16**
Smita Manchanda: 20	**Ankur Goyal: 14**	**Priyanka Naranje: 11**
Ankita Aggarwal: 5	**Amarinder Singh: 8**	**Rajendra Kumar Behera: 1**
Stanzin Spalkit: 12		

Raju Sharma

1. Small Bowel Tumors, ICRI Webinar, 7 April 2024, Online
2. GI Radiology for Gastroenterologist, Gastroenterology Young Masters (GYM) Course, 5 May 2024, Coimbatore
3. Imaging in Crohn's Disease, Gyan P Lal CME of IRIA, 11 May 2024, Hyderabad
4. Interesting Cases Session, Gyan P Lal CME of IRIA, 11 May 2024, Hyderabad
5. New Imaging Tools in Chronic Pancreatitis, Asian Institute of Gastroenterology Pancreas Club Meeting, 20 July 2024, Hyderabad

6. Cystic & NET of Pancreas, Artemis GI Imaging CME, 28 July 2024, New Delhi
7. Imaging in Acute Pancreatitis, Annual Conference of SERCON, 3 August 2024, Chandigarh
8. Malignant Focal Lesions of Liver, AIIMS MAMC PGI Course, 10 August 2024, New Delhi
9. Liver & Bowel Imaging, GYM Course North India, 1 September 2024, New Delhi
10. Paediatric Liver Tumors, Annual Conference of Indian Society of Paediatric Radiology, 21 September 2024, Lucknow
11. Response Assessment in HCC, ILBS Conference on HCC, 28 September 2024, New Delhi
12. TB Vs Crohn's Conundrum, SAR meets ISGAR (Online), 2 October 2024, Online
13. Bowel Tumors: Imaging, CT Buzz, 6 October 2024, Pune
14. Film Reading Session, CT Buzz, 6 October 2024, Pune
15. Focal Liver Lesions, ICRI Online CME, 4 November 2024, Online
16. Imaging of IBD, Annual Conference of Indian Society of Gastrointestinal & Abdominal Radiology, 9 November 2024, Gauhati
17. Imaging in Pancreatitis, Annual Conference of Indian Society of Gastroenterology, 6 December 2024, Varanasi
18. Imaging in Acute Pancreatitis, IRIA Bhopal Annual Conference, 5 January 2025, Bhopal
19. Bowel TB Vs. Crohn's Disease, Annual Conference of Indian Radiology & Imaging Association, 23 January 2025, Chennai
20. Faculty Film Reading Session, Annual Conference of Indian Radiology & Imaging Association, 23 January 2025, Chennai
21. Imaging in Obstructive Jaundice, Online ICRI CME, 9 February 2025, Online
22. Imaging in Crohn's Disease, Abdominal Imaging CME, 8 March 2025, AIIMS, Kalyani
23. Film Quiz for Residents, Abdominal Imaging CME, 8 March 2025, AIIMS, Kalyani

Ashu Seith Bhalla

1. Exposure-related Diffuse Lung Diseases, Synergy Series: ICRI meets SCII, 2 June 2024, Online
2. Optimizing IR in Hemoptysis, Annual Conf. of Delhi ISVIR, 25 August 2024, Delhi
3. Imaging in Paediatric ILD, 6th Annual Conference of SCIICON, 30 August–1 September 2024, Bengaluru
4. Imaging of Infected Pleural Fluid Collections, 6th Annual Conf. of SCIICON, 30 August–1 September 2024, Bengaluru
5. Paediatric HRCT Thorax Workshop, 22nd Annual Conf. of ISPR, 20 September 2024, Lucknow
6. Paediatric Bronchiectasis, 22nd Annual Conf. of ISPR, 21–22 September 2024, Lucknow
7. Lung Transplant Imaging, 3rd National Conf. of STII, 27–29 September 2024, Delhi
8. IR in Lung Cancer: Mock Tumour Board, SPECTRUM India 2024, 8–10 November 2024, Mumbai
9. RCT Patterns in ILD, NAPCON 2024, 21-24 November 2024, Coimbatore
10. Paediatric ILD – What is New, NAPCON 2024, 21-24 November 2024, Coimbatore
11. Chronic Pulmonary Aspergillosis, NAPCON 2024, 21-24 November 2024, Coimbatore
12. COPD: Core Concepts and Update, AOCR 2025 and IRIA 2025, 23-26 January 2025, Chennai
13. Haemoptysis: Imaging and Interventions, AOCR 2025 and IRIA 2025, 23-26 January 2025, Chennai
14. Mock MDT: ILD, AOCR 2025 and IRIA 2025, 23-26 January 2025, Chennai
15. Image Guided Lung Biopsy, CPIP 2025, 10-12 January 2025, Delhi
16. Paediatric Peripheral AVM Panel, ISVR 2025, 6-9 February 2025, Kochi
17. Haemoptysis: Imaging and Interventions, AIIMS-MAMC-PGI Course: Chest/Cardio Imaging, 21 and 22 March 2025, Delhi

18. Film Reading Session: Chest Imaging, AIIMS-MAMC-PGI Course: Chest/Cardio Imaging, 21 and 22 March 2025, Delhi
19. Pulmonary Vasculitis Imaging Phenotypes, Society of Thoracic Radiology Annual Meet, 1-5 March 2025, California, USA
20. Bronchiectasis: Panel, AIIMS Pulmocrit, 20-23 March 2025, Delhi

Smriti Hari

1. Structured Reporting of Mammograms, Synergy Series: ICRI meets BISI, 6 April 2024, Online
2. Breast Imaging: What a Surgeon Should Know, ONCOCON 2024, 13 April 2024, Ghaziabad
3. Hands-on DBT Workshop, HOLOGIC-BARCO Mammography Workshop, 20 April 2024, Delhi
4. High-Risk Lesions, Annual BISICON-2024, 15 November 2024, Rishikesh
5. USG Breast Techniques & Interventions, BISICON, 15 November 2024, Rishikesh
6. Axillary Nodal Evaluation, AOCR 2025 and IRIA 2025, 23 January 2025, Chennai
7. Axillary Imaging, NBE Webinar Series, 29 January 2025, Online
8. Missed Breast Cancer, NBE Webinar Series, 12 March 2025, Online
9. DBT Workshop, Midterm BISICON-2025, 29 March 2025, Delhi
10. Interesting Case Quiz, Midterm BISICON-2025, 30 March 2025, Delhi

Shivanand Gamanagatti

1. TACE vs TARE, Advances in GI Oncology - A Multidisciplinary Approach, 11 May 2024, Delhi
2. Response Assessment of HCC post-locoregional therapy, AIG: IRIS, 8 and 9 June 2024, Hyderabad
3. Response Assessment of HCC post-locoregional therapy, Artemis Radiology Update 2024, 28 July 2024, Gurugram
4. Interventional Treatment of HCC, Foundation Course of GI Surgeons, 3 August 2024, Chandigarh
5. Managing Peripheral Arterial Trauma, CME: Save the Limb, 24 August 2024, Delhi
6. GI Haemorrhage: Imaging & Interventions, AIIMS-MAMC-PGI Imaging Series: GI & Hepatobiliary Imaging, 10 and 11 August 2024, Delhi
7. IR Treatments in Gastroenterology, GYM (Gastroenterology Young Masters), 1 September 2024, Delhi
8. Interventional Treatment of HCC, 7th Annual Conference of ISGAR, 8 and 9 November 2024, Guwahati
9. IR in Acute Trauma Care, International Conference on Trauma and Acute Care (ITACC 2024), 12 December 2024, Gurugram
10. TACE & TARE in Liver Tumours, Delhi Imaging Update (DIU Carnival 2024), 20 and 21 December 2024, Manesar
11. Below Knee Revascularisation, Vascular Interventional Radiology Symposium, 14 and 15 December 2024, Delhi
12. Non-Traumatic MSK Emergencies, AOCR 2025 and 77th Annual Conference of IRIA, 23–26 January 2025, Chennai
13. Early TIPS vs Stepwise Strategy in Budd-Chiari, Annual Conference ISVR 2025, 6–9 February 2025, Kochi
14. GI Bleed Imaging and Interventions, Radiology CME – Abdominal Imaging: A Primer, 7 March 2025, Kolkata
15. Biliary Interventions: Tips and Tricks, Radiology CME – Abdominal Imaging: A Primer, 7 March 2025, Kolkata
16. Peripheral Vascular Disease, AIIMS-MAMC-PGI Imaging Course: Chest and Cardiovascular Imaging, 21 and 22 March 2025, Delhi
17. Gynaecological Vascular Interventions, ICRI Webinar, 20 March 2025, Online

Atin Kumar

1. Imaging of the Newborn Brain, National Board of Examinations Paediatric Neurology Webinar, 2 May 2024, Online

2. CT & MRI in Neonates: Basics, National Neonatology Forum Webinar, 29 May 2024, Online
3. CNS Infections – Case-Based Review, Indian Society of Paediatric Radiology Mid Term CME, 22 June 2024, Thiruvananthapuram
4. Neonatal Hypoxia & Hypoglycaemia: Imaging Implications, Indian Society of Paediatric Radiology Mid Term CME, 22 June 2024, Thiruvananthapuram
5. Traumatic Diaphragmatic Hernia, TUGSS Group Webinar, 17 July 2024, Online
6. Trauma Radiology Templates, Society for Emergency Radiology Annual Conference, 2 August 2024, Chandigarh
7. Imaging of Abdominal Trauma, AIIMS-MAMC-PGI Course on GI & Hepatobiliary Radiology, 10 August 2024, Delhi
8. Atypical Paediatric CNS Infections, Society for Emergency Radiology Annual Conference, 20 September 2024, Lucknow
9. Imaging of Developmental Malformations, ICRI Webinar Neuroradiology, 25 September 2024, Online
10. Imaging of Chest Trauma, CT Buzz, 6 October 2024, Pune
11. Imaging of Bowel Trauma, CT Buzz, 6 October 2024, Pune
12. Chest Trauma, GAPIO Webinar, 11 October 2024, Online
13. Simplifying Leukodystrophies – Oration, ISNR Mid Term CME, 19 October 2024, Kochi
14. CNS Infections: Bacterial, Fungal or Viral?, SPIN 2024, 25 October 2024, Goa
15. Novel Phenotypes in Paediatric Neuroradiology, AOCN SIG Panellist, 11 December 2024, Online
16. Brain Developmental Malformation, NBE Radiodiagnosis Webinar, 12 December 2024, Online
17. Varicose Vein Management, Interventional Radiology CME, 15 December 2024, Delhi
18. Chest Trauma – More than Soreness, AOCR 2025, 25 January 2025, Chennai
19. Child Brain Milestones, AOCR 2025, 26 January 2025, Chennai
20. Neuroradiology Hot Seat Review, DelRad 2024, 9 February 2025, Delhi
21. Hypoxic Ischemic Encephalopathy and Mimics, ISNR Annual Conference, 20 February 2025, Bengaluru

Chandan Jyoti Das

1. Non-traumatic Genitourinary Emergency, SERCON 2024, 4 August 2024, Chandigarh
2. Role of Imaging in Liver Transplantation, AIIMS-MAMC-PGI Imaging Course, 11 August 2024, New Delhi
3. Role of IVIM in Carcinoma Urinary Bladder, 40th Annual Meeting, European Society for Magnetic Resonance in Medicine, 4 October 2024, Barcelona, Spain
4. MRI Imaging of Carcinoma Urinary Bladder, ISGAR 2025, 9 November 2024, Guwahati
5. Quantitative MRI in Prostate Cancer – JC Bose Oration, AOCR 2025, 24 January 2025, Chennai
6. Prostate Biopsy: From Confusion to Fusion, URO-ANCILLARICON 2025, 22 February 2025, AIIMS Bhubaneswar
7. Imaging of Cystic Renal Mass, URO-ANCILLARICON 2025, 22 February 2025, AIIMS Bhubaneswar
8. Role of MRI in Solid Renal Mass, URO-ANCILLARICON 2025, 22 February 2025, AIIMS Bhubaneswar
9. Interventional Radio-oncology for Adrenal Tumors, North zone USI 2025 (Delivered Online), 4 March 2025, Srinagar, Kashmir
10. Abdominal Tuberculosis: A Clinical Imbroglio, ESIC Fortnight 2025, 8 March 2025, New Delhi
11. Role of Imaging in Systemic Vasculitis, Rheuma Vision 2025, 29 March 2025, Kathmandu, Nepal

Dr Madhusuan K S (On Extraordinary leave)

Manisha Jana

1. Paediatric Radiology – Case-Based Webinar, Café Roentgen (REF) Webinar, 27 April 2024, Online
2. Paediatric Emergencies – Case Discussion, SER-CETARS CME on Emergency Radiology, 1 June 2024, Online

3. Paediatric ILD, ICRI meets SCII, 2 June 2024, Online
4. Congenital Renal Disorders, Indian Society of Paediatric Nephrology (ISPN) Webinar, 12 September 2024, Online
5. Imaging in Precocious Puberty, ISPR 2025, 21 September 2024, Lucknow
6. Paediatric Chest Mock Exam Session, ICRI Mock Exam Series – Paediatric Imaging, 29 September 2024, Online
7. Paediatric Liver Anatomy, Paediatric Hepatobiliary Surgery Masterclass, 3 October 2024, Jodhpur
8. Percutaneous Cholecysto-Cholangiography in BA, ISPGHANCON, 5 October 2024, New Delhi
9. Chest Diseases in Children, CME – International Radiology Day at PGICH, Noida, 12 November 2024, Noida
10. Paediatric ILD, IRIA WB Chapter Annual Conference, 16 November 2024, Kolkata
11. Paediatric Urinary Tract Dilation, ISPNCON (Indian Society of Paediatric Nephrology Conference), 6 December 2024, New Delhi
12. Imaging in Paediatric Rheumatology, Paediatric Rheumatology Masterclass, 18 January 25, New Delhi
13. Paediatric DLDs – Imaging Dilemma (Mihir Mitter Oration), AOCR 2025, 23 January 2025, Chennai
14. Paediatric Postmortem MRI (Chest & Abdomen), SPR Paediatric Postmortem Imaging Conf, 26 January 2025, Orlando, USA
15. Paediatric Postmortem MRI: Case Discussion, SPR Paediatric Postmortem Imaging Conf, 26 January 2025, Orlando, USA
16. Paediatric Liver and GI Workshop, EBM 2025 (Evidence-Based Cancer Management), 1 March 2025, Mumbai
17. Neonatal, Congenital and Acquired GI Abnormalities, EBM 2025, 1 March 2025, Mumbai

Surabhi Vyas

1. Pulmonary Vasculitis and Variations, SCIICON 2024, 1 September 2024, Bengaluru
2. Infective vs. Non-infective Arthritis, Rheuma Dialogue 2, 28 September 2024, Mohali
3. Imaging in Rheumatology, Cardio Diabetic Society Conference, 8 November 2024, Rishikesh
4. USG-Guided Breast Interventions, Mammocon 2024, 27 October 2024, New Delhi
5. Breast Infections, BISICON 2024, 17 November 2024, Rishikesh
6. Thoracic CTD Manifestations, IRIA Rajasthan Annual Conference, 30 November 2024, Kota
7. Emerging Modalities in Breast Imaging, Year in Review – Updates in Breast Cancer, 1 March 2025, New Delhi
8. ILD Case-Based Discussion with Residents, AIIMS-MAMC-PGI Chest Imaging Course Series, 23 March 2025, New Delhi
9. USG-Guided Breast Interventions, Midterm BISICON, 29 March 2025, New Delhi
10. Granulomatous Mastitis, Midterm BISICON, 30 March 2025, New Delhi

Devasenathipathy Kandasamy

1. Deciphering TIRADS, Endocrine Surgery CME 2024, 6 April 2024, AIIMS, New Delhi
2. Masterclass on Lymphatic Disorders, ISG Masterclass, 19 May 2024, Online
3. Applications of Chemical Compounds in Imaging, Webinar on Medical Imaging, 26 July 2024, Online
4. Paediatric Imaging, Hot Seat Review, 3 August 2024, Apollo Hospital, New Delhi
5. Crohn's Disease Mimics, 5th AIIMS-MAMC-PGI Imaging Series CME, 10 and 11 August 2024, AIIMS, New Delhi
6. Multimodality Adrenal Imaging, ICRI Webinar, 22 August 2024, Online
7. MR Lymphangiography Techniques & Imaging, ISPR Annual Conference, 20 and 21 September 2024, Lucknow
8. Film Reading Session, ISPR Annual Conference, 20 and 21 September 2024, Lucknow

9. Bowel USG Workshop, ISPGHANCON, 4–6 September 2024, AIIMS, New Delhi
10. Lymphangiography in Paediatric GI, ISPGHANCON, 4–6 September 2024, AIIMS, New Delhi
11. Imaging Mimics of Crohn's Disease, ISGAR 2024, 8 and 9 September 2024, Guwahati
12. Thyroid Ophthalmopathy Imaging, T-Endocon, 9 January 2025, Online
13. Adrenal Imaging, AOCR 2025, 23 January 2025, Chennai
14. Paediatric Imaging, Hot Seat Review, 8 February 2025, Apollo Hospitals, New Delhi
15. Paediatric Case Discussion, ICRI Webinar, 23 February 2025, Online
16. IMRI: General Radiology Perspective, Foundation Day of NMR CME, 25 March 2025, AIIMS, Delhi

Smita Manchanda

1. Fetal Chest and Abdomen Evaluation, 2nd Fetal MRI Course, 6 and 7 April 2024, Apollo Hospital, Delhi
2. Intraoral and Laryngeal Ultrasound, Mid-term CME of ISHNR 2024, 13 and 14 April 2024, Varanasi
3. Placental Pathology: Case Scenarios, IRIA-Samrakshan Global South Weekly Meet, 21 June 2024, Online
4. Evolving Congenital Anomalies, CME cum Workshop IRIA Meerut, 30 June 2024, Meerut
5. Live Demo: Mid-trimester Anomaly Scan, CME cum Workshop IRIA Meerut, 30 June 2024, Meerut
6. Benign vs. Malignant: Case Discussion, Society of Gynaecological Imaging Annual Meet, 18 August 2024, Sir Ganga Ram Hospital, New Delhi
7. Multifetal Pregnancy Evaluation, Dr RK Goulatia ICRI CME, 28 September 2024, Amritsar
8. Early Pregnancy Complications, Dr RK Goulatia ICRI CME, 28 September 2024, Amritsar
9. First Trimester Anomaly Scan Protocol, Ultravision IRIA Delhi, 5 October 2024, Delhi
10. Fetal Thorax: Case-Based Approach, IRIA-Samrakshan Global South Weekly Meet, 11 October 2024, Online
11. Uterine Sarcomas: How to Catch, 22nd Annual WCI-TMH Conference, 27 October 2024, Mumbai
12. NT-NB Scan in First Trimester, 36th Annual IRIA UP State RICON 2024, 16 November 2024, Mayur Vihar, New Delhi
13. Panellist: Late Anomalies, 46th Annual AOGD Conference, 21 November 2024, AIIMS, Delhi
14. Imaging in Endometrial Cancer, IRIA-ICRI Residents Training Programme, 28 November 2024, Online
15. Early Pregnancy Reporting, 31st Annual IRIA Rajasthan Chapter RAJ-IRIACON, 30 November 2024, Kota
16. RPOC: Enigma with USG, 31st Annual IRIA Rajasthan Chapter RAJ-IRIACON, 30 November 2024, Kota
17. Fetal MRI Quiz, AOCR 2025, 25 January 2025, Chennai
18. MRI Anatomy: Female Pelvis, IRIA-ICRI Webinar, 6 February 2025, Online
19. Screening for Placenta Accreta Spectrum, 36th Annual UPCOG Conference, 21 March 2025, Agra
20. Fetal Biometry and Growth Charts, 36th Annual UPCOG Conference, 21 March 2025, Agra

Ankur Goyal

1. MR Enterography, MRI Renal & Soft Tissue Lesions, Dr RML MRI Teaching Course, 15–17 June 2024, Lucknow
2. Mock Exam, 17th Radiology HOT SEAT Review Course, 2–4 August 2024, New Delhi
3. Pancreatitis Imaging, Liver Lesions, Film Reading, AIIMS-MAMC-PGI GI & Hepatobiliary Course, 10 and 11 August 2024, Delhi
4. Soft Tissue Tumor Mimics & Quiz, MSS 2024 (International Musculoskeletal Radiology Congress), 16–18 August 2024, Jaipur
5. USG-Guided MSK Interventions, ISVIR Delhi NCR Annual Meet, 25 August 2024, New Delhi
6. Paediatric Bone Tumors, 22nd Annual ISPR Conference, 21 and 22 September 2024, Lucknow

7. CT Evaluation of Renal Masses, 7th ISGAR Conference, 8 and 9 November 2024, Guwahati
8. Pediatric Bone Tumors, Film Reading for Residents, 36th IRIA UP RICON 2024, 16 and 17 November 2024, Noida
9. Case-Based Approach to Soft Tissue Lesions, IRIA Delhi DIU Carnival 2024, 20 and 21 December 2024, Manesar
10. MRI Renal Masses & MRI of Fingers, AOCR 2025 & IRIA 2025, 23–25 January 2025, Chennai
11. Median Nerve Hydrodissection, 25th ISVIR Conference, 6–8 February 2025, Kochi
12. Film Reading Session, PGI MSK Radiology Course, 8 and 9 March 2025, Chandigarh
13. Mediastinal Masses, AIIMS-MAMC-PGI Chest/Cardiovascular Imaging, 22 March 2025, Delhi
14. Chest Wall Lesions, Symposium on Chest Wall Surgery 2025, 21–23 March 2025, Delhi

Priyanka Naranje

1. HRCT in ILD, PULMOCONNECT, 25 April 24, Online
2. Case-Based Discussion on ILD, PULMOCONNECT, 25 April 2024, Online
3. Lung-Heart Screening Using Low-Dose CT, AIIMS Pulmocrit, 20–23 March 2025, Delhi
4. Pediatric Non-vascular Interventions, Refresher Imaging Series on Interventional Radiology, 30 March 2025, Online
5. Optimizing IR in Hemoptysis, Annual Conf. of Delhi ISVIR, 25 August 2024, New Delhi
6. Optimizing Pleural Drainage & Obliteration, SCIICON 2024, 30 August–1 September 2024, Bengaluru
7. Imaging & Management of Chylothorax, SCIICON 2024, 30 August–1 September 2024, Bengaluru
8. Evidence-Based Chylothorax Management – Panel, Current Perspectives in Interventional Pulmonology (CPIP), 10–12 January 2025, Delhi
9. IR in Pulmonary Vascular Disorders, Synergy Series: ICRI meets SCII, 2 March 2025, Online
10. Image-Guided Lung Biopsy, AOCR 2025 and 77th IRIA, 23–26 January 2025, Chennai
11. Pulmonary Neoplasms – Resident Case Discussion, AIIMS-MAMC-PGI Chest/Cardiovascular Imaging Course, 21 and 22 March 2025, Delhi

Ankita Aggarwal

1. HSG – Tips and Tricks, SOGII, 18 August 2024, New Delhi
2. All You Need to Know About HSG, ICRI Teaching Sessions, 14 November 2024, Online
3. USG Breast Techniques & Interventions – Workshop, BISICON, 15 November 2024, Rishikesh
4. USG ORADS Simplified – Webinar, ICRI Teaching Sessions, 13 February 2025, Online
5. Genetic Testing & Surgical Management – Panel, Year in Review – Updates in Breast Cancer, 1 March 2025, AIIMS, New Delhi

Amarinder Singh

1. PVD – Interesting Interventional Case, AOCR 2025 and 77th IRIA, 23–26 January 2025, Chennai, India
2. Role of PERT in DVT and PTE, Spectrum India 2024, 10 November 2024, Mumbai, India
3. Varicose Vein Management, Interventional Radiology CME, 15 December 24, AIIMS, New Delhi
4. Varicose Vein Embolisation, Annual Scientific Meeting of Delhi-NCR Chapter of ISVIR (Moderator), 25 August 2024, IHC, Delhi
5. Venous Interventions, 25th Annual Conference of Indian Society of Vascular & Interventional Radiology (ISVR) 2025 (Moderator), 8 February 2025, Kochi, India.
6. Faculty for DVT / PE / IVC Filter Workshop, Spectrum 2024, 10 November 2024, Mumbai

7. Faculty for PICC / Ports / Lines Workshop, Spectrum 2024, 8 November 2024, Mumbai
8. Venous Interventions, ISVIR Meets TSVIR (Moderator and Panelist), 11 January 2025, Online

Rajendra Kumar Behera

1. Imaging of Liver and Pancreatic Trauma, HPB Radiology Course – IHPBA Indian Chapter, 30–31 January 2025, Bhubaneswar

Stanzin Spalkit

1. Approach to Soft Tissue Tumors, ICRI Teaching Session, 5 April 2024, Online
2. Soft Tissue Tumors: Imaging Approach, Mid-term MSS Conference 2024, 7 April 2024, Bhubaneswar
3. Common Shoulder Pathologies on USG, MSS 2024 (Musculoskeletal Radiology Congress), 16 August 2024, Jaipur
4. Faculty for MSK USG Workshop, MSS 2024, 16 August 2024, Jaipur
5. Contusion Patterns on Knee MRI, Kerala IRIA Webinar, 25 August 2024, Online
6. Pediatric Elbow Injuries, Kerala IRIA Webinar, 25 August 2024, Online
7. Hip Imaging: Moderator, Voice Of Young MSS Webinar, 22 September 2024, Online
8. Faculty – MSK USG Workshop, AOCR 2025, 25 January 2025, Chennai
9. Ankle MRI – Protocols & Anatomy, PGI MSK Radiology Course 2025, 9 March 2025, Chandigarh
10. Resident Quiz, PGI MSK Radiology Course 2025, 9 March 2025, Chandigarh
11. USG of Wrist: Techniques & Pathologies, ICRI Teaching Session, 14 March 2025, Online
12. Live USG Demo: Normal Wrist, MSK Imaging & Intervention Skill Enhancement CME, 16 March 2025, New Delhi

TOTAL NUMBER OF LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
180	225	216

Oral Papers & Posters Presented in Conferences:

1. Agarwal D, Aggarwal A, Goyal A, Sharma R, Uncommon manifestations & differentials of abdominal hydatid., First course of 5th AIIMS-MAMC-PGI Imaging Series on Gastrointestinal & Hepatobiliary Radiology, 10-11 August 2024, Delhi
2. Agarwal D, Aggarwal A, Manchanda S, Imaging of Endometrial Polypoidal Lesions of the Uterus- A Pictorial Review (Third Prize in EE Poster), SOGII 2024, 18 August, Sir Ganga Ram Hospital, New Delhi
3. Agarwal D, Aggarwal A, Manchanda S, Imaging of Endometrial Polypoidal Lesions of the Uterus- A Pictorial Review. Won Third Prize in EE Poster at SOGII 2024 held on 18 August at Sir Ganga Ram Hospital, New Delhi
4. Agarwal D, Dar M A, Naranje P, Jana M, Bhalla AS, Pulmonary Nocardiosis: Identifying Imaging Biomarkers, SCIICON2024, 30 August-1 September, Bengaluru
5. Agarwal D, Dar MA, Naranje P, Bhalla AS, Unveiling Ectopic Bronchial Arteries: An Anatomical Enigma Explored, SCIICON2024, 30 August -1 September, Bengaluru
6. Behera RK, Aggrawal D, Gupta S, Gamanagatti Sh, Kandasamy D, Shalimar, Understanding and Targeting Bleeding Ectopic Varices: Role of Interventional Radiology, ISVIR 2025, 6-9 February 2025, Kochi
7. Behera RK, Bhalla AS, Naranje P, Madan K, Mittal S, Tiwari P, Dar MA, Bronchopleural Fistula - Coil Embolization Through Combined Bronchoscopic and Fluoroscopic Image Guidance**,** ISVIR 2025, 6-9 February 2025,
8. Behera RK, Bhalla S, Naranje P, Mittal S, Kabra SK, Superior Vena Cava Recanalisation in the Setting of Fibrosing Mediastinitis causing Superior vena cava Syndrome, ISVIR 2025, 6-9 February 2025, Kochi

9. Bharathi R, Manchanda S, Singhal S, Leiomyoma masquerading as a mesenteric mass (First Prize in CR Poster), SOGII 2024, 18 August, Sir Ganga Ram Hospital, New Delhi
10. Bharathi R, Manchanda S, Singhal S, Leiomyoma masquerading as a mesenteric mass. Won First Prize in CR Poster at SOGII 2024 held on 18 August at Sir Ganga Ram Hospital, New Delhi
11. Bhasin A, Raman Deep, Kandasamy D, Gupta Y, Jain R, Ultrasonically determined thyroid volume and parenchymal changes in male and female gender subgroups among lithium-maintained patients with DSM-5 bipolar disorder and healthy controls, Bipolar Disorder International Conference (BDICON), 9-10 March 2024, NIMHANS, Bengaluru
12. Chandola S, Bhalla A S, Jana M, Naranje P, Vyas S, Pulmonary aspiration syndromes: A Pandora's box, SCIICON2024, 30 August -1st September Bengaluru
13. Chandola S, Manchanda S, Aggarwal A, Value of cross-sectional imaging in evaluation of postpartum pelvic hematomas: Where do we stand? (First Prize in Oral), SOGII 2024, 18 August 2024, Sir Ganga Ram Hospital, New Delhi
14. Chandola S, Manchanda S, Aggarwal A, Value of cross-sectional imaging in evaluation of postpartum pelvic hematomas: Where do we stand? Won First Prize in Oral paper at SOGII 2024 held on 18 August at Sir Ganga Ram Hospital, New Delhi
15. Damandeep S, Niraj P, Malhi A S, Sanjeev K, Untwisting of a rare bronchial-pulmonary artery channel- Racemose haemangioma, Delhi State Chapter ISVIR quarterly Meet, December 2024, Delhi
16. Damandeep S, Priya J, Niraj P, Malhi A S, Sanjeev K, Deepali G, Uterine artery embolization in adenomyosis refractory to conservative management- Initial Indian experience, AIIMS New Delhi 4th Research Day, January 2025, AIIMS, New Delhi
17. Damandeep S, Priya J, Niraj P, Malhi A S, Sanjeev K, Deepali G, Uterine artery embolization in adenomyosis refractory to conservative management, ISVIR 2025 Annual Conference, February 2025, Kochi
18. Dhaka P, Manchanda S, Aggarwal A, Figuring out fibroids- Mapping uncharted territories, SOGII 2024, 18 August 2024, Sir Ganga Ram Hospital, New Delhi
19. Goyal A, Chandola S, Sharma R, Kandasamy D, Gamanagatti Sh, Problem-solving applications of intravascular Contrast-Enhanced Ultrasound (CEUS): Resolving the riddle!, European Congress of Radiology ECR 2025, 26 February-2 March 2025, Vienna, Austria
20. Goyal A, Pandey S, Kumar A, Ansari T, Chauhan Sh, Unravelling the cords: Defining NSRADS-I for peripheral nerve injuries, 12th Annual Musculoskeletal Society conference MSS 2024 (An International Congress of Musculoskeletal Radiology), 16-18 August 2024, Jaipur
21. Gulati S, Manchanda S, Aggarwal A, Tuberculosis versus Pelvic Inflammatory Disease: Identifying the imaging biomarkers (Second Prize in Oral), SOGII 2024, 18 August 2024, Sir Ganga Ram Hospital, New Delhi
22. Gulati S, Manchanda S, Aggarwal A, Tuberculosis versus Pelvic Inflammatory Disease: Identifying the imaging biomarkers. Won second Prize in Oral paper at SOGII 2024 held on 18 August at Sir Ganga Ram Hospital, New Delhi
23. Khwairakpam T, Bhasin A, Raman Deep, Kandasamy D, Preethy K, Paul K, Management of a Treatment-Resistant Unusual Course with Continuous Circular Cycling in a Female Patient with Bipolar Disorder with history of thyroid abnormalities: A case study of 18-month prospective follow-ups, Bipolar Disorder International Conference (BDICON), 9 and 10 March 2024, NIMHANS, Bengaluru
24. Lokesh, Bhalla AS, Manchanda S, Jana M, Mishra D, Yadav R, Jaw tumours in Children: Imaging Markers, RSNA 2024- 110th Scientific Assembly and Annual Meeting, 1-5 December 2024, Chicago, USA
25. Lokesh, Gupta S, Goyal A, Sharma R, Different faces of mesenteric ischemia, First course of 5th AIIMS-MAMC-PGI Imaging Series on Gastrointestinal & Hepatobiliary Radiology, 10-11 August 2024, Delhi
26. Manchanda S, Bhalla AS, Saini M, Sinopulmonary disorders: Two ends of the highway, ECR 2025, 26 February-2 March 2025, Vienna, Austria
27. Mohan SL, Manchanda S, Jana M, Aggarwal A, Kumar A, Algorithmic Approach to Faetal Posterior Fossa Cystic Malformations on Antenatal Imaging, 77th Annual Conference of IRIA & 23rd AOCR 2025, 23-26 January 2025, Chennai
28. Naranje P, Bhalla AS, Jain B, Shamim SA, Rastogi S, Mohan A, Endovascular selective internal radiotherapy: A novel strategy for addressing metastatic lung lesions, ISVIR 2025 25th Annual Conference of the Indian Society of Vascular & Interventional Radiology, 6-9 February 2025, Kochi

29. Naranje P, Bhalla AS, Behera RK, Mittal S, Jain V, Bronchial Dieulafoy's disease – A covert cause for haemoptysis, ISVIR 2025, 6-9 February 2025, Kochi
30. Pandey S, Goyal A, Kumar A, Ansari T, Chauhan Sh, Sore thumb! Ultrasound database of De Quervain's Tenosynovitis (DQT), 12th Annual Musculoskeletal Society Conference MSS 2024 (An International Congress of Musculoskeletal Radiology), 16-18 August 2024, Jaipur
31. Reddy I, Naranje P, Bhalla AS, Jana M, Gamanagatti Sh, Diagnostic Utility Of Contrast Enhanced Intranodal MR Lymphangiography In Children, ISPR 202422nd Annual National Conference Indian Society of Paediatric Radiology (ISPR) 2024, 21-22 September 2024, Lucknow
32. Reddy I, Naranje P, Bhalla AS, Mediastinal collections –Where is it coming from?, SCIICON2024, 30 August -1 September, Bengaluru
33. Saini M, Manchanda S, Bhalla AS, Kandasamy D, Kakkar A, Thakar A, Advanced MRI Techniques for Evaluation of Sinonasal Masses: Exploring the Additive Utility, ECR 2025, 26 Feb-2 March 2025, Vienna, Austria
34. Saini M, Manchanda S, Bhalla AS, Kandasamy D, Kakkar A, Thakar A, Advanced MRI Techniques for Evaluation of Sinonasal Masses: Exploring the Additive Utility, ECR 2025, 26 February-2 March 2025, Vienna, Austria
35. Sangeetha P S, Manchanda S, Kumari R, Sharma JB, Diagnosing the Hidden: Non-invasive evaluation of Youssef's syndrome, SOGII 2024, 18 August, Sir Ganga Ram Hospital, New Delhi
36. Shah A, Manchanda S, Aggarwal A, Exploring the Spectrum of Fibroid Degeneration: Common Patterns and Rare Oddities(First Prize in EE Poster), SOGII 2024, 18 August, Sir Ganga Ram Hospital, New Delhi
37. Sharma R, Goyal Lokesh KS, Sudhakaran D, Kandasamy D, Different Faces of Abdominal Cocoon, European Congress of Radiology ECR 2025, 26 February-2 March 2025, Vienna, Austria
38. Tanwar H, Rana A, Manchanda S, Jana M, Sharma JS, Double Dilemma: Overcoming Hydrancephaly and Schizencephaly in a Twin with Cephalocentesis, Caesarean Delivery at the Faetal Medicine Foundation World Congress, 23-27 June 2024, Lisbon, Portugal
39. Tiwari N, Paul K, Raut SK, Ray A, Vyas S and Wig N, Multi-Modal Time Series Based Decision Support System for Ventilator Associated Pneumonia, International Joint Conference on Neural Networks, 30-6-24 to 6-7-24, Yokohama, Japan
40. Vyas S, Bansal A, Hari S, Complications of breast biopsy A pictorial review, Royal Australian and New Zealand College of Radiologists Ltd (RANZCR), 17-19 October 2024, Perth, Australia
41. Vyas S, Bansal A, Hari S, Mathur S, Srivastav A, Deo S V S, et al, MRI prediction of pathological complete response in post-neoadjuvant chemotherapy breast cancer, Royal Australian and New Zealand College of Radiologists Ltd (RANZCR), 17-19 October 2024, Perth, Australia
42. Yadav N, Manchanda S, Aggarwal A, Typical ultrasound features of various endometrial pathologies described using International Endometrial Tumor Analysis (IETA) terminology: A Pilot Study (*Third Prize in Oral), SOGII 2024, 18 August 2024, Sir Ganga Ram Hospital, New Delhi

Total number of oral/poster presentations

2022-2023	2023-2024	2024-2025
61	55	38

RESEARCH

Funded projects

Ongoing

1. Catheter-Directed Thrombolysis Plus Rivaroxaban Versus Rivaroxaban Versus Rivaroxaban Alone for Acute Iliofemoral Deep Vein Thrombosis: A double blind RCT Prospective Study, Amarinder Singh Malhi, Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
2. Classification of Chest X-Rays using Deep Learning. Under Empowering Healthcare National Programs with Artificial Intelligence Phase 1, Ashu Seith Bhalla, AIIMS Centre of Excellence (COE) in Artificial Intelligence (AI) project under Ministry of Education (MoE), 2 Years, 2024-2025, Rs 2 Crore
3. Developing artificial intelligence-based model for detection of malignant potential of pulmonary nodules in sarcoma using computed tomographic imaging and its prospective validation, Devasenathipathy Kandasamy, Intramural, 2 Years, 2023-2025, Rs 10 Lakhs

4. Development of non-invasive imaging biomarkers to assess the metabolic dysfunction, hepatosteatosis, and myosteatosis – related myosteatosis–related cardiovascular disease risk in the elderly Indian Population, Chandan J Das, ICMR, 4 Years, 2024-2028, Rs 1.5 Crore
5. Radiogenomic correlation of pediatric diffuse lung diseases, Manisha Jana, Extramural, 2 Years, 2023-2025, USD 10, 000
6. Randomized Controlled Trial on comparison of facet joint radiofrequency denervation vs facet joint injection in chronic low back pain of facet origin, Stanzin Spalkit, Intramural, 2 Years, 2025-2027, Rs 10 Lakhs
7. USG guided Vacuum Assisted Excision of Intraductal papilloma- a feasibility study in Indian setting- Randomized control trial, Ankita Aggarwal, Intramural, 2 Years, 2024-2026, Rs 20 Lakhs

Completed - nil

Departmental projects (including thesis/dissertations)

Ongoing

1. Assessing the Diagnostic Benefit of Mammography as a Supplemental Imaging Modality after Ultrasound in Women Presenting with Focal Breast Complaints
2. Comparison of contrast-enhanced mammography and Abbreviated MRI in disease extent evaluation in patients with early operable breast cancers
3. Comparison of Ultrasonography and Abbreviated MRI in patients with pathological nipple discharge
4. Development of Atlas of Standard Chest Radiographic Images of Tuberculosis
5. Early Response Assessment of Hepatocellular Carcinoma to TACE Using m-RECIST Criteria on MRI
6. Feasibility and role of Low dose CT lymphangiography (LDCTL) in chylous leaks
7. MRI evaluation of perianal fistulas – comparison of classification systems and surgical correlation
8. Prospective Evaluation of Modified Bosniak Classification, version 2019, in the risk stratification of cystic renal masses using contrast-enhanced MRI and contrast-enhanced USG.
9. Role of 68 Ga-FAPI PET/CT and MR enterography in evaluation of ulceroconstrictive intestinal disease
10. Role of advanced USG and Spectral CT in evaluation of gallbladder mass
11. Role of CEUS in the evaluation of focal liver lesions in children
12. Role of Dual Energy CT angiography in peripheral Vascular Trauma
13. Role of Genicular artery embolization in OA of knee in geriatric patient
14. Role of Spectral CT & Needle Aspirate Parathormone Assay in Preoperative Localization in Patients with Primary Hyperparathyroidism with Equivocal 4DCT Findings
15. Role of ultrasound guided lymph node targeting in the assessment of axillary lymph nodal response in node positive breast cancer after neoadjuvant chemotherapy
16. Role of USG guided lymph nodal response in node positive breast cancer after neoadjuvant chemotherapy
17. To Evaluate the role of Multiparametric MRI and Shear Wave Elastography in the evaluation of Salivary gland mass lesions
18. To evaluate the role of ultrasonography and MRI in the mapping of deep pelvic endometriosis using the IDEA protocol.
19. Utility of ultrasound and MRI in patients with disorders of sex development

Completed

1. Abbreviated MR Enterography in evaluation of Crohn's disease
2. Comparison of Ultrasonography and Abbreviated MRI in patients of pathological nipple discharge
3. Effectiveness of ultrasound guided hydrodissection in treatment of mild-moderate carpal tunnel syndrome'
4. Multimodality imaging of parotid and submandibular glands in primary Sjogren's syndrome

5. Role of Contrast Enhanced Ultrasound in the Evaluation of Tuberculosis and Crohn's Disease of Ileo-cecal Region
6. Role of MR lymphangiography in demonstration of chylous leaks and lymphatic malformations in chest and abdomen.
7. Role of split-bolus dual energy CT in characterization of neck masses with limited MR and DSA correlation.
8. Spectral Dual Energy CT in assessing response to neoadjuvant molecular targeted therapy (TKI) in locally advanced renal cell carcinoma.

Collaborative projects

Ongoing

1. A Prospective study to correlate Rhinomanometry findings of nasal obstruction in Deviated nasal septum with subjective, endoscopic and radiological findings, Otorhinolaryngology – Head and Neck Surgery
2. A Prospective study to correlate Rhinomanometry findings of nasal obstruction in Deviated nasal septum with subjective, endoscopic and radiological findings, Otorhinolaryngology – Head and Neck Surgery
3. A randomized control trial evaluating dual therapy of oral corticosteroids and intranasal corticosteroids versus intranasal corticosteroids only to prevent recurrence in chronic rhinosinusitis with nasal polyposis after functional endoscopic sinus surgery, Otorhinolaryngology – Head and Neck Surgery
4. A RCT to compare the incidence of symptomatic and asymptomatic Venous thromboembolic events following pelviacetabular surgeries in patients receiving direct oral anticoagulants vs the patients receiving low molecular weight heparin as chemoprophylaxis", Orthopedics
5. Algorithmic management of granulomatous mastitis: prospective quasi-interventional study design., Surgical disciplines
6. Assessment of labelling efficiency, dosimetry and safety profile of 188Re-N-DEDC/Lipiodol trans-arterial radionuclide therapy in Hepatocellular carcinoma, Nuclear Medicine and Gastroenterology
7. Assessment of liver fibrosis with non-invasive tests and scoring systems in correlation with liver biopsy in morbidly obese patients before and after bariatric surgery, Surgical discipline
8. Benefits of Ksharsutra in patients undergoing Ksharsutra placement in fistulizing Crohn's disease: a prospective cohort study, Surgical disciplines
9. Clinical, radiological and microbiological profile in patient of chronic pulmonary aspergillosis undergoing resective surgery, Infectious disease
10. Comparative analysis of qPCR, mRNA ISH and p16 IHC for detection of high-risk HPV on fine needle aspirates and core needle biopsies in patients with metastatic squamous cell carcinoma in cervical lymph nodes, Otorhinolaryngology – Head and Neck Surgery
11. Comparative evaluation of CAD-CAM planning versus traditional free fibula planning in surgical outcomes in mandibular reconstruction- A prospective study., Head & Neck Surgery and Oncology
12. Comparing Ex-Vivo Ultrasound aided and Frozen section analysis of deep margins with Final Histopathology in T1-T4 Carcinoma Tongue: A Prospective study., Otorhinolaryngology – Head and Neck Surgery
13. Comparison of diagnostic accuracy of Contrast Enhanced Ultrasound (CEUS) with Sestamibi/SPECT for localisation in Primary Hyperparathyroidism (PHPT), Surgical disciplines
14. Correlation of Depth of Invasion with Lymph Node Metastasis in Laryngeal and Hypopharyngeal Carcinoma, Otorhinolaryngology – Head and Neck Surgery
15. Correlation of Traits of Tumour Immune-Microenvironment and Response to Targeted Anti-PD-L1 And Anti-VEGF Therapy in Hepatocellular Carcinoma: An Ambispective Study, Pathology and Gastroenterology
16. Descriptive study of the anatomical variations of the superficial temporal artery and the posterior auricular artery in patients with unilateral microtia and its implications on the surgical outcomes in auricular reconstruction surgery, Otorhinolaryngology – Head and Neck Surgery
17. Development of predictive nomogram for assessing pathological complete response after neoadjuvant chemotherapy in treatment naïve nonmetastatic breast cancer patients: An ambispective study, Surgical disciplines
18. Diagnostic yield of Exome sequencing in euploid fetuses and neonates with antenatally-detected brain malformations, Medical Genetics

19. Evaluating the utility of continuous glucose monitoring system for behavioural modification in high-risk women enrolled in early pregnancy for the prevention of gestational diabetes mellitus: A pilot Randomized Controlled Trial, Endocrinology
20. Evaluation of masseter muscle thickness and occlusal force after rehabilitation of Kennedy class 1 mandibular arches by using flexible partial denture during a period of one year – A pilot study, Prosthodontics
21. Gait Analysis in symptomatic flexible flatfoot and its correlation with radiological and clinical parameters, Orthopedics
22. Impact of Sarcopenia and Frailty on Treatment Outcomes in Patients Receiving Intensive Chemotherapy for Leukemia and Transplant Conditioning – A Prospective Observational Study from A Tertiary Care Centre in India, Haematology
23. Impact of sarcopenia on oncological outcomes in oral cavity squamous cell carcinoma patients undergoing surgery- An ambispective study at a tertiary care centre, Head and Neck Surgery and Oncology
24. MRI evaluation of perianal fistulas- comparison of classification systems and surgical correlation, Surgical disciplines
25. Multiparametric evaluation of bone health in women with premature ovarian insufficiency, Obstetrics & Gynaecology
26. Neoadjuvant chemotherapy in estrogen receptor positive, treatment naïve nonmetastatic breast cancer: Pathological and clinical outcomes, Surgical disciplines
27. Neoadjuvant chemotherapy using Lenvatinib in locally advanced differentiated thyroid cancer- An open-label phase II study, Head and Neck Surgery and Oncology
28. Predictors of clinical outcomes in Adenoid Cystic Carcinoma of Head and Neck: An Ambispective Analysis, Head and Neck Surgery and Oncology
29. Predictors of response to Tx in CPA patients, Medicine,
30. Prospective study to assess knee deformities in paediatric outpatients and its correlation with nutritional status and regulators of bone metabolism, Orthopaedics
31. Role of PET-CT in response assessment of zoledronate in GCT of bone., Orthopaedics
32. Role of Trans-arterial Radio-embolisation with 90 Y-spheres in prostate cancer: A pilot study., Nuclear Medicine, Oncology
33. Study to Assess the Involvement of Subscapularis in Rotator Cuff Tears: Clinical, Radiological and Arthroscopic Evaluation, Orthopaedics
34. Surgical outcomes in compartmental glossectomy and standard wide margin excision in T2-T3 oral tongue squamous cell carcinoma- A randomised control trial, Otorhinolaryngology – Head and Neck Surgery
35. To Assess and Evaluate Outcomes of Various Treatment Modalities of Vascular Malformations, Surgical discipline
36. To assess/improve the patient-reported outcomes during tubal patency testing /infertility workup after introducing an evidence-based three-dimensional/four-dimensional Hysterosalpingo-Contrast Sonography (3D/4D-HyCoSy) over conventional Hysterosalpingography (HSG) technique: A Quality Improvement study, Obstetrics & Gynaecology
37. To study incidence of associated craniospinal anomalies by comprehensive faetal cadaveric dissection after medical termination for prenatally diagnosed neural tube defects: A pilot study, Neurosurgery
38. Wearable electronics for swallow-graphy in stroke patients, Neurology

Completed

1. A Prospective study to measure the objective, subjective and aesthetic Outcomes in Patients undergoing Septorhinoplasty, Otorhinolaryngology – Head and Neck Surgery
2. An ambispective cohort study on evaluation of swallowing, cough and speech function in patients with lower cranial nerve palsies secondary to lateral skull base lesions, Otorhinolaryngology – Head and Neck Surgery
3. Evaluation of Indocyanine green for sentinel lymph node biopsy in breast cancer: Two-arm open-label parallel design non-inferiority randomised controlled trial, Surgical disciplines
4. Role of IETA Ultrasound Criteria and Hysteroscopy in Assessment of Endometrial Lesions in Women with Abnormal Uterine Bleeding, Obstetrics & Gynaecology

5. To study the incidence of obstetric anal sphincter injuries (OASIS) in postpartum women using introital ultrasound, Obstetrics & Gynaecology

RESEARCH OVER PAST 3 YEARS

Research Projects	2022-2023	2023-2024	2024-2025
Total funded projects	3	4	7
Total Funding	Rs 19.65 Lakhs	Rs 27.65 Lakhs + 10,000 USD	Rs 400 Lakhs + 10,000 USD

Publications

Journals: 139 **Chapters in Book:53** **Books & Monographs:03**

Publications over last 3 years

Item	2022-2023	2023-2024	2024-2025
Total	**189**	**178**	**195**

Details of Investigations for the period of 1 April 2024 to 31 March 2025

S. No.	Name of Investigations/Special procedures	Total no. of investigations
1	**Routine X-rays**	
	• OPD	340290
	• Indoor	31867
	• Casualty	66551
	• Portable	78901
2	**Special Investigations**	
	• Barium Studies	1236
	• Intravenous pyelography	1178
	• Micturating cystourethrography	900
	• Hysterosalpingography	565
	• Operation Theater Studies	151
	• Others contrast studies	613
3	**Mammography**	4534
4	**Dexa Scan**	3144
5	**Ultrasound**	
	• Routine	66024
	• Emergency	27859
	• Doppler (Routine + Casualty)	7578
6	**CT**	
	• Body	34401
	• Head	12499
7	**MRI (Main + NMR)**	7341 + 4941 = 12282
8	**Interventional Procedures**	
	• Interventional Vascular Studies	3534
	Interventional Non-Vascular studies	

	• CT Guided	752
	• Ultrasound Guided	6250
	• Fluoroscopy Guided	3069
	• Mammography Guided	45
	Grand Total	**704223**

Patient care

Item	2022-2023	2023-2024	2024-2025
Total imaging investigations	**549324**	**632106**	**704223**

Number of Radio Conferences conducted: 32 per week

Number of outside imaging studies reviewed in the Department (April 2024 to March 2025)

During Radio Conferences: 21063

Outside Reviews apart from RC (November 2024-March 2025): 900

S No	Month	Private Scans Reviewed in RC
1.	Apr-24	1839
2.	May-24	1557
3.	Jun-24	1387
4.	Jul-24	1831
5.	Aug-24	1221
6.	Sep-24	1940
7.	Oct-24	1765
8.	Nov-24	1964
9.	Dec-24	2103
10.	Jan-25	2152
11.	Feb-25	1656
12.	Mar-25	1648
	Total	**21063**

List of radio conferences

S. No.	DEPARTMENT	DAY
1	GASTRO	MONDAY
2	GENETICS	MONDAY
3	RHEUMAT	MONDAY
4	PAEDS NEURO	MONDAY
5	SURGERY I	MONDAY
6	SURGERY III	MONDAY
7	DENTAL	MONDAY
8	PEDS NUCLEAR	TUESDAY
9	MEDICINE 1	TUESDAY
10	SURGERY IV	TUESDAY

11	PULMO	TUESDAY
12	ORTHO UNIT I/SPINE	TUESDAY
13	GYNAE	TUESDAY
14	PAEDS SURGERY	WEDNESDAY
15	GERIATRIC	WEDNESDAY
16	MEDICINE 2	WEDNESDAY
17	EMERGENCY	WEDNESDAY
18	GI SURGERY	WEDNESDAY
19	PAEDS ENDO	WEDNESDAY
20	ENT	WEDNESDAY
21	ORTHO II	WEDNESDAY
22	PAEDIATRIC MED	THURSDAY
23	SURGERY II	THURSDAY
24	ANAESTHESIA	THURSDAY
25	HAEMATOLOGY	THURSDAY
26	SURGERY VI	THURSDAY
27	UROLOGY	THURSDAY
28	PLASTIC SURGERY	FRIDAY
29	MEDICINE 3	FRIDAY
30	ENDO	FRIDAY
31	SURGERY V	FRIDAY
32	NEPHRO	SATURDAY

AWARDS, HONORS AND SIGNIFICANT EVENTS

Professor Raju Sharma Delivered the oration on "Imaging of Acute Pancreatitis" at the Annual Conference of the Society of Emergency Radiology, PGIMER Chandigarh, 3 August 2024. He has delivered the Dr. Ram Rai Oration at the MP State Branch Annual Conference, AIIMS Bhopal, 5 January 2025. He was appointed Chairman, Ministry of Health committee for framing specifications of Radiology Equipment.

Professor Ashu Seith Bhalla was Member, Guidelines Development Group (GDG) for "Evidence-Based Lung Cancer Guidelines for India", formed by the Department of Health Research & Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India. He was Associate Editor (Chest Section), Indian Journal of Radiology and Imaging (IJRI).

Professor Atin Kumar has delivered the Dr. Anoop Memorial Oration at Mid-term CME, Indian Society of Neuroradiology, Kochi – 9 October 2025. He was Selected as General Secretary, Society for Emergency Radiology.

Professor Chandan J. Das has delivered the prestigious JC Bose Oration, AOCR 2025. He was Awarded PhD, 49th Convocation, AIIMS New Delhi, 21 March 2025. Selected as Editor, Abdominal Radiology (MRI Division). Member, Research Committee, Indian Society of Radiology and Imaging. He was Member, Nomogram Committee, Indian Society of Radiology and Imaging. Member, Subject Expert Committee (Oncology), CDSCO.

Professor Manisha Jana has delivered the prestigious Mihir Mitter Oration, AOCR 2025. She was awarded Fellowship of the Indian College of Radiology and Imaging (FICR). She was selected as an Executive Committee Member, Indian Society of Pediatric Radiology (ISPR).

Professor Surabhi Vyas has been elected as Section Editor, Indian Journal of Breast Imaging. She has. Nominated as Technical Expert, HLL Infra Tech Services Ltd (HITES), Procurement Support Agency for medical equipment under PMSSY-IV and PMSSY-V. She has been nominated as an Expert, Health Product Screening Committee (HPSC) for evaluating applications through MedTech Mitra portal.

Professor Smita Manchanda has delivered the prestigious Dr ML Aggarwal Memorial Oration 2024, AOCR 2025. She was selected as Subspecialty Head, Women's Imaging, ICRI-IRIA. She was Selected as Coordinator, Women's Imaging Daily Online Teaching Course, ICRI-IRIA. She was Selected as Associate Editor, IJRI.

Dr Ankur Goyal was Secretary, Delhi State Chapter of IRIA (2023–2024). He was Joint Secretary, Musculoskeletal Society (India) (2023–2025).

Dr Amarinder Singh Malhi was Joint Secretary, ISVIR National (2025–2026). He was Joint Secretary, ISVIR Delhi NCR State Chapter (2023–2026). He was Executive Council Member, ISVIR National (2024–2025). He was Executive Council Member, Delhi State Chapter of IRIA (2024–2026). He was General Secretary, Faculty Association of AIIMS (FAIMS) (2024–2026). He was Member, National Academy of Medical Sciences (MNAMS) – 2023. He was Associate Fellow, National Academy of Medical Sciences (FAMS) – 2024. He was Chairperson, ISVIR Midterm Complication Meet 2024 Arterial & Venous Interventions, Chh. Sambhajinagar (Aurangabad), Maharashtra 2–4 August 2024. He was Chairperson & Judge, "One Health" Symposium, 64th NAMSCON – AIIMS Jodhpur, 23 and 24 November 2024. He was Chairperson, Neuroendocrine Liver Metastases Symposium, Spectrum 2024, Mumbai – 9 November 2024.

9.38 Reproductive Biology

Professor and Head

Ashutosh Halder

Professor and Officer In-charge, CRIA Facility

Surabhi Gupta

Professor

Mona Sharma

Assistant Professor

Vivek Dixit

(Contractual – Since 6 April 2024)

Scientists

Deepak Pandey (Scientist II)

Neeraj Kumar (Scientist II)

Scientist I

Manish Jain

HIGHLIGHTS

The department is mainly involved in teaching, training and research works besides diagnostic services (reproductive hormones & cancer biomarkers; semen analysis; FISH & QF PCR for various genetic disorders) and reproductive genetic counseling. Most of the reproductive genetic counseling was self-referral. Most of the cases were with reproductive disorders, malformation, cancer, infertility, etc. CRIA facility provides tests for more than 50 parameters including cancer markers, reproductive hormones, metabolic markers, etc. Online reports are provided for all CRIA lab tests. This year CRIA facility has done 3,44, 133 tests for more than 1.35 lakh patient samples. Andrology laboratory provides detailed semen analysis whereas molecular laboratory of the department provides various genetic tests using FISH, QF PCR, etc technologies. Training and teaching is provided to our own PhD students, MSc students & various trainees of the department besides other departments of AIIMS. Faculty members of the department were invited by several national academics for different academic contributions (NABL/QCI, ICMR, MCI/NMC, NIHFW, DBT, NIRRH, etc). Many PhD students of the department won prizes for presenting their work at various national and international conferences.

EDUCATION

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 17

Ashutosh Halder: 12 **Surabhi Gupta: 2** **Mona Sharma: 3**

Ashutosh Halder

1. Polycystic Ovary Syndrome (PCOS): our experience, National Conference on Emerging Trends in Biotechnology and Food Engineering, 4–5 April 2024, Greater Noida
2. Short stature and pubertal disorders, DHR-sponsored training course in Medical Genetics (2024), June 2024, Mumbai
3. Investigations are required to identify the specific cause(s) of infertility in the male partner. Treatment to be prescribed for male infertility, when to refer the couple to a higher centre for advanced treatment, Training Course on Basic Management of Infertility for Healthcare Professionals, 7 August 2024, Delhi
4. Role of Medical Professionals in dealing with infertile couples for their treatment and current advances in Reproductive Biomedicine Basics of Reproductive Immunology, 2nd Training course on Advances in Reproductive Biomedicine Techniques for MOs/ Faculty/Researcher, September 2024, Delhi

5. Endocrine Disrupting Chemicals (EDCs) and their impact on human reproduction, Global Framework on Chemicals: Protecting Human Health and the Environment, 17 October 2024, Delhi
6. PCOS Phenotype A: A heterogeneous group of disorders, 53rd Annual Conference of Endocrine Society of India (ESICON 2024), 7-10 November 2024, Visakhapatnam
7. Associations of Trace Elements with Reproductive Disorders, 18th International Conference on Trace Elements in Man and Animals (TEMA 2024), 9-12 November 2024, Bengaluru
8. Phenotypic and Genetic Heterogeneity in Primary Ovarian Failure, International Conference on Reproductive Sciences and Molecular Medicine: Innovations in Therapeutics and Technologies (ICRSMM-2024) and 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 17 November 2024, Delhi
9. Genetic Landscape of Polycystic Ovary Syndrome (PCOS), 49th Annual Meeting of the Indian Society of Human Genetics and International Conclave on Neurogenetics, 20-22 January 2025, Bengaluru
10. Recent insights into the genetics of polycystic ovary syndrome (PCOS), 13th Annual International Conference of the Indian Academy of Biomedical Sciences (IABSCON-2025), 11–13 February 2025, Bhopal
11. Genomics of Common Reproductive Endocrine Disorders, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025, Jaipur
12. Reproductive Biology: Past, Present & Future, 2nd Annual Convention for Clinical Embryology & Assisted Reproductive Technology, 1 March 2025, Ahmedabad

Surabhi Gupta

1. Epigenetic Regulation of Epithelial to Mesenchymal Transition (EMT) in Trophoblast Differentiation: Implications in Preeclampsia, International Conference on Reproductive Sciences and Molecular Medicine: Innovations in Therapeutics and Technologies (ICRSMM-2024) and 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 16 November 2024, Delhi
2. Factors Regulating Epithelial to Mesenchymal Transition (EMT) in Trophoblast Differentiation: Implications for Placental Pathologies, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF- 2025), 15 February 2025, Jaipur

Mona Sharma

1. Stages of embryo development, Embryology program, MSc clinical embryology, Amity Institute of Molecular Medicine & Stem Cell Research, 6 September 2024, Noida
2. Immunology and male infertility, 3rd Training Course on Advances in Reproductive Biomedicine Techniques, 25 September 2024, Delhi
3. Oocyte Health: Friends and Foes, International Conference on Reproductive Sciences and Molecular Medicine: Innovations in Therapeutics and Technologies (ICRSMM-2024) and 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 17 November 2024, Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
15	11	17

List of oral papers/posters presented:

1. Aggarwal K, Khurana S, Sharma U, Choudhury J, Dhole B, Chaturvedi PK, Sharma KA, Gupta S., Small extracellular vesicle derived miR-423-3p isolated from Recurrent Pregnancy Loss (RPL) women reduces in vitro decidualization, Inaugural Conference of InSEV – EVOLVE 2025, 26 March 2025, New Delhi1
2. Ajmera M, Sharma JB, Halder A, Kumar N., Isolation and characterization of uncultured endometrial cells population from endometrial biopsy, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 15 February 2025, Jaipur
3. Basisth A, Nagesh AM, Gupta S, Pandey D., Effects of increasing Estrogen: Androgen ratios on primary mouse prostate cells, 41st Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE 2024), 15–17 November 2024, Delhi

4. Devi N, Sharma M, Sperm cryopreservation in liquid vs. vapour phase of liquid nitrogen: Search for the better technique, The National Anatomy Conference - "RRR" Anatomy: The Recent, Relevant, and Research-based, 26 - 27 July 2024, Delhi
5. Dhole B, Gupta S., Utilization of Urinary Extracellular Vesicles in the Diagnosis of Prostate Cancer, Inaugural Conference of InSEV – EVOLVE 2025, 25 March 2025, New Delhi
6. Dhole B, Seth A, Kumar S, Sridhar P, Das C, Kaushal S, Gupta S., Higher levels of circular RNA, hsa_circ_0085494 in prostate cancer patients with metastasis, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025, Jaipur2
7. Dhole B, Verma S, Shetty RS, Seth A, Kumar S, Sridhar P, Das C, Kaushal S, Gupta S., Differential expression of circular RNA, hsa_circ_0024353, between early and advanced stages of prostate cancer, 16th European Multidisciplinary Congress on Urological Cancers, 09 November 2024, Lisbon, Portugal
8. Dhole B, Verma S, Shetty RS, Seth A, Kumar S, Sridhar P, Das C, Kaushal S, Gupta S., Understanding the role of circular RNA, hsa_circ_0024353 in prostate cancer progression, 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 15 November 2024, Delhi
9. Halder A, Kumar P, Jain M., Copy number variations in diseases, 9th Annual Conference of the Society for Indian Academy of Medical Genetics – IAMG-2024, 6-8 December 2024, Ahmedabad
10. Halder A, Sharma P, Jain M, Association of Bisphenol A (BPA), Advanced Glycation End Products (AGEP), Kisspeptin 1 (KISS 1) & Melatonin (MT) with PCOS, Society for Endocrinology, British Endocrine Society 2025 Annual Meeting (SfE BES 2025), 10-12 March 2025, Harrogate, UK
11. Jain M, Sharma N, Halder A, Kaushal S, Kumar M, Identification of epigenomic factors in idiopathic SCOS patients: A hospital based case control study, Joint Congress of the American Society of Andrology & International Congress of Andrology, 29-1 2025, Washington DC, USA
12. Jain M, Sharma N, Halder A, Kaushal S, Kumar M., Multifactorial Approach to Male Infertility: Exploring the Epigenetic Landscapes of Sertoli cell only syndrome, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025, Jaipur
13. Kalra P, Moses JA, Dhole B, Gupta S., Effect of lipid emulsion on trophoblast cell functions, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025, Jaipur
14. Kanika, Khurana S, Sharma U, Choudhury J, Dhole B, Chaturvedi PK, Sharma KA, Gupta S., Differential Regulation of In Vitro Decidualization by Circulating Exosomes Isolated from Recurrent Pregnant Loss (RPL) Women and Normal Pregnant Women, 57th Annual Meeting of Society for the Study of Reproduction: Evolution of Reproductive Sciences, 18 July 2024, Dublin, Ireland 3
15. Kaushik N, Kumar N., Role of gonadally enriched genes downstream of Insulin signaling pathway in reproductive senescence, 4th Asia-Pacific Worm Meeting, 15 June 2024, Bengaluru
16. Kaushik N, Rastogi S, Rautela U, HalderA, Pandey D, KumarN., Somatic Gonad-Specific Collagens Modulate Reproductive Aging via FOXO/DAF-16-Dependent Insulin Signaling in Caenorhabditis elegans, 4th Asia-Pacific Worm Meeting, 16 June 2024, Bengaluru
17. Kumar N, Kaushik N, Rastogi S, Rautela U, Halder A., Somatic Gonad Cells-Specific Collagens Modulate Reproductive Aging via FOXO/DAF-16-Dependent Insulin Signaling in Caenorhabditis elegans, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 15 February 2025, Jaipur
18. Moses JA, Kalra P, Dhole B, Gupta S., Viral FAST proteins: A guide in search of mammalian gamete fusogens, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025, Jaipur
19. Pandey D, Roy Choudhury A, Nagesh AM, Rawat D, Gupta S, Zinc modulates the stromal cell-mediated acinar morphogenesis of normal prostatic epithelium, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 15 February 2025, Jaipur
20. Pramila, Dhole B, Pandey D, Chaturvedi PK, Gupta S., Effects of escitalopram, a selective serotonin reuptake inhibitors (SSRIs) on Sertoli cell (TM4) functions, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025, Jaipur
21. Pramila, Dhole B, Pandey D, Gupta S, Chaturvedi PK., Effect of Selective Serotonin Reuptake Inhibitor, Escitalopram, on Adrenal Cell Steroidogenesis, 57th Annual Meeting of Society for the Study of Reproduction: Evolution of Reproductive Sciences, 18 July 2024, Dublin, Ireland

22. Rastogi S, Halder A, Pandey D, Kumar N., Deciphering the role of Panobinostat in reproductive competence using C. elegans as model system, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 15 February 2025, Jaipur
23. Rastogi S, Halder A, Pandey D, Kumar N., Role of Tacedinaline and Tasquinimod in reproductive development using C. elegans as model system, 4th Asia-Pacific Worm Meeting, 15 June 2024, Bengaluru
24. Rawat D, Nagesh AM, Gupta S, Pandey D., Study on anti-cancer potential of Orientin and Bilobalide against prostate cancer cells., 4th Annual Research Day, AIIMS New Delhi, 29- 30 January 2025, New Delhi
25. Sharma N, Halder A, Kaushal S, Kumar M, Jain M., Identification of metallothionein gene polymorphism in male infertility patients with elevated Cd and Hg level: A hospital-based case control study, 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 15-17 November 2024, Delhi
26. Sharma U, Aggarwal K, Sharma KA, Gupta S., Are miRNAs involved in decidualization differentially present in circulating exosomes isolated from women with Recurrent Pregnancy Loss?, 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 16 November 2024, Delhi
27. Sharma U, Aggarwal K, Sharma KA, Gupta S., Comparison of Exosomes Isolated from Normal Pregnant Women & Women with Recurrent Pregnancy Loss, Inaugural Conference of InSEV – EVOLVE 2025, 26 March 2025, New Delhi
28. Sihag K, Halder A, Sharma JB, Sharma R, Sharma M., Exploring the Role of Mitochondrial Novel Biomarkers in Premature Ovarian Insufficiency through Exome Sequencing and Mouse Models, Mito 24:10th Annual conference of The Society for Mitochondria Research and Medicine, India, 11-12 November 2024, Dharwad
29. Sihag K, Halder A, Sharma JB, Sharma R, Sharma M., Mitochondrial genetic etiology implicated in premature ovarian insufficiency of adolescence, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14-16 February 2025, Jaipur4
30. Taneja A, Devi N, Aara S, Gupta T, Garg A, Sharma M., Study of Sperm Morphology based Functional Assessment in Infertile Males: Search for Potential Diagnostic Tools, The National Anatomy Conference - "RRR" Anatomy: The Recent, Relevant, and Research-based, 26 – 27 July 2024, Delhi5
31. Tudu D, Praveen S, Halder A, Sharma JB, Kumar N., Evaluation of Cell Surface Markers to Enrich Circulating Endometrial Cells from Peripheral Blood of Endometriotic Women, 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 15 February 2025, Jaipur
32. Verma S, Dhole B, Pramila, Gupta S., Antidepressant Escitalopram modulates trophoblast endocrine function and other properties of trophoblast cells, 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE), 16 November 2024, Delhi

[1] Best poster presenter –Second Prize
[2] Best Poster Presentation Award
[3] Recurring Pregnancy Loss Association Poster Award
[4] Best paper award
[5] Best paper award

Oral/poster presentations over past 3 years

2022–2023	2023–2024	2024–2025
19	18	32

RESEARCH

Funded

Ongoing

1. An investigation on the underlying mechanism of PCOS in association with endocrine-disrupting chemicals (Bisphenol A and Advanced Glycation End products), Ashutosh Halder, DBT, 3.5 Years, 2022-2025, Rs 68.8 Lakhs
2. Effect of antidepressant drugs on placental functions, Surabhi Gupta, CSIR, 3 Years, 2024-2027, Rs 27.9 Lakhs
3. Effect of semen cryopreservation on sperm telomere biology and fertilization potential, Mona Sharma, ICMR, 3 Years, 2022-2025, Rs 58 Lakhs

4. Identification and evaluation of circulating endometrial cells (CECs) specific molecular biomarkers for the diagnosis of endometriosis: An integrated and non-invasive approach, Neeraj Kumar, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 10 Lakhs
5. MicroRNA expression profiles in Sertoli cell only syndrome (SCOS) cases, Manish Jain, AIIMS, New Delhi, 2 Years, 2023-2025, Rs 10 Lakhs
6. Quality control for hCG kits, Surabhi Gupta, Ministry of Health - CMSS, Yearly, 5 Lakhs/year
7. Role of mitochondria-endoplasmic reticulum cross-talk in follicular dynamics in premature ovarian insufficiency, Mona Sharma, DBT, 3 Years, 2024-2027, Rs 75 Lakhs
8. To study the effect of Selective Serotonin Reuptake Inhibitors (SSRIs) on testicular functions, Surabhi Gupta, ICMR, 3 Years, 2022-2025, Rs 78 Lakhs
9. Understanding the cellular basis of lipid emulsion therapy for Recurrent Pregnancy Loss (RPL), Surabhi Gupta, SERB, 3 Years, 2024-2027, Rs 53.9 Lakhs

Completed

1. Integrative analysis of ovarian cancer transcriptome to identify potential therapeutic targets & biomarker discovery, Ashutosh Halder, ICMR, 3.5 Years, 2020-2024, Rs 56.4 Lakhs
2. Role of mitochondrial fatty acid shuttle system in premature ovarian failure., Mona Sharma, ICMR, 3 years, 2021-2024, Rs 40.58 Lakhs
3. To decipher the functional interaction of reproductive longevity regulating transcriptional targets induced by TGF-β and insulin signaling in gonads, Neeraj Kumar, ICMR, 3.5 Years, 2020-2024, Rs 50 Lakhs
4. To elucidate the impact of micronutrients and vitamins on sex-steroid mediated stromal-epithelial interaction in prostate cells: role in maintenance of normal prostate physiology, Deepak Pandey, ICMR, 3 Years, 2021-2024, Rs 41.56 Lakhs
5. To study the mechanisms underlying the pathogenesis of pre-eclampsia, Surabhi Gupta, ICMR, 3.5 Years, 2021-2025, Rs 76.12 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A comparative analysis of epigenetic and endocrine alterations in PCOS mice models induced by exposure of BPA and androgen
2. Age dependent dynamics of sperm telomere and inter-relation with DNA damage response
3. An investigation on epigenetic mechanism of PCOS in association with endocrine disrupting chemicals
4. An investigation to determine etiological factors in apparent idiopathic hypo spermatogenesis
5. Analysis of anticancer activity of Didymin on prostate cancer cells
6. Characterization of testis-enriched proteins with potential role in mammalian fertilization.
7. Effect of endoplasmic reticulum stress on oocyte activation signaling
8. Effect of mitochondrial fatty acid shuttle mediated endoplasmic reticulum stress on follicular dynamics in premature ovarian insufficiency
9. Elucidating the effects of serotonin on trophoblast functions
10. Impact of sperm cryopreservation induced mitochondrial impairments on sperm motility
11. Investigating the environmental factor (BPA & Heavy metal) induced DNA methylation changes in Idiopathic Hypospermatogenesis
12. Metformin mediated epigenetic modifications in placenta of women with gestational diabetes mellitus
13. Role of micronutrients and flavonoids in modulation of prostate stromal-epithelial interaction
14. Study of cryopreservation effect on sperm mitochondrial and nuclear DNA integrity and its influence on fertilization events

15. Study of sperm cryopreservation induced epigenetic changes and their potential functional defects in cancer patients
16. Temporal effects of sperm cryopreservation on capacitation pathways
17. To perform transcriptomics of uncultured endometriotic cells

Completed

1. Analysis of anti-cancer activity of Orientin and Bilobalide on prostate cancer cells
2. Delineating the Role of Insulin/insulin-like Growth Factor Signaling (IIS) in *Caenorhabditis elegans* Reproductive Aging
3. Effect of antidepressant drug (Escitalopram) on testicular and adrenal functions
4. Effect of lipid emulsion on trophoblast functions
5. Genetic determinants of idiopathic premature ovarian failure
6. HDAC inhibitor(s) mediated genome-wide transcriptional networks in reproduction and longevity using *Caenorhabditis elegans* as model system
7. Isolation and characterization of endometrial cells population from endometrial biopsy
8. Role of placenta derived exosomes in decidualization in Recurrent pregnancy loss patients.
9. Study of paternal sleep and circadian rhythm association with sperm telomere integrity in recurrent pregnancy loss
10. Study of sleep and circadian rhythm association in infertile males with sperm head defects
11. To investigate genomic variants in paediatric 46, XY patients of disorder of sexual development (DSD)

Collaborative projects

Ongoing

1. 16S rDNA amplicon and metagenomic nanopore sequencing for rapid detection of bacterial pathogens in febrile neutropenia for pediatric acute leukemia and hematopoietic stem cell transplantation, Department of Medical Oncology, IRCH, AIIMS
2. Characterization of breast microbiota and immune repertoire in patients with tubercular mastitis, Department of Surgery, AIIMS
3. Effect of electromagnetic radiation on female reproductive health, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi
4. Efficacy and safety of leuprolide acetate in reducing ovarian toxicity of intravenous cyclophosphamide in young females with autoimmune rheumatic diseases: An assessor-blinded, randomized controlled trial, Department of Medicine, AIIMS
5. Efficacy and Safety of Sirolimus in the Management of Pediatric Vascular Tumors and Malformations- A Prospective Study, Division of Pediatric Oncology, Department of Pediatrics, AIIMS
6. Efficacy of oral-route supportive care regimen (OSCR) during high-dose methotrexate chemotherapy in children with hematolymphoid malignancies: a randomized non-inferiority trial, Division of Pediatric Oncology, Department of Pediatrics, AIIMS
7. Impact of Psychosocial intervention on quality of life and stress biomarkers in patients with traumatic limb amputation/s: A randomized controlled trial, Division of Trauma Surgery & Critical Care, JPNATC, AIIMS
8. Molecular marker evaluation in relation to the toxicity and clinical response of acute lymphoblastic leukemia treatment in Indian children, Department of Medical Oncology, IRCH, AIIMS
9. Prevalence of AAs for common autoimmune disorders and their correlation with PTPN 11 variants in patients with Noonan syndrome, Department of Pediatrics, AIIMS
10. Prevalence of dynapenia/sarcopenia and its association with metabolic parameters, body composition and bone mineral density in postmenopausal women: A cross-sectional study, Department of Medicine, AIIMS

11. Role of Serum Autotaxin in Intrahepatic Cholestasis of Pregnancy in Indian Women, Department of Obstetrics and Gynaecology, AIIMS
12. Targeted bile acid metabolomics in patients with intrahepatic cholestasis of pregnancy and its correlation with perinatal outcomes: A prospective observational cohort study, Department of Obstetrics and Gynaecology, AIIMS
13. To compare slow freezing and vitrification techniques in ovarian tissue cryopreservation for fertility preservation in cancer survivors, Department of Obstetrics and Gynaecology, AIIMS
14. To see the early effect of sorafenib on cognition, cardiovascular and reproductive functions, Department of Medical Oncology, IRCH, AIIMS
15. To study the protective effect of antioxidant Vitamin C and E on diesel exhaust polluted microenvironment induced testicular injury in laboratory rat, Department of Physiology, AIIMS
16. Unique aspects of idiopathic hypoparathyroidism, Department of Endocrinology, AIIMS

Completed

1. Anemia: Exploring the role of Vitamin D, essential elements and lifestyle in Indian Population, Department of Pharmacology & Department of Hematology
2. Netra Kumbh, Center for Community Medicine, AIIMS
3. Risk Assessment and Health System Preparedness in a Religious Mass Gathering (MAHA-KUMBH) in India, Center for Community Medicine, AIIMS

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	22	18	14
Total funding	**Rs 1141.94 Lakhs**	**Rs 1037.43 Lakhs**	**Rs 651.26 Lakhs**

Publications

Journals: 17 **Abstracts: 04** **Chapters in Book: 01**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**19**	**17**	**22**

PATIENT CARE

Special laboratory facilities in Department of Reproductive Biology

- **Molecular Cytogenetics lab:**

Microdeletion FISH on blood (Interphase/ Metaphase cell), buccal cell, urine cell, solid tissue etc

Recruited 350 patients which were all suspected Microdeletion syndrome and 75 cases of Primary Testicular Failure. We have done FISH of all cases and Yq microdeletion of Primary Testicular Failure cases in our Molecular Cytogenetics lab and given reports to all the patients.

List of Microdeletion Syndrome (Blood/ Amniotic fluid cells):

- Digeorge syndrome (22q11.2)
- William syndrome (7q11.23)
- Prader willi syndrome (15q11.13)
- Retenoblastoma (13q)
- Miller decker syndrome (17p13.3)
- Langer Giedions syndrome (8q24.11)
- 1p36.13
- Wolff Hirschhorn (4p16.3)

Sex Chromosome FISH (X, Y, SRY: only research & infertility)

Yq Microdeletion PCR (Cover approx. 20 primer)

- **CRIA Facility:**

Routine assays of **more than 50** parameters in the blood samples of admitted and OPD patients were carried out in the facility. Diagnostic tests for 1, 35, 001 patient samples were performed.

TOTAL NUMBER OF INVESTIGATIONS FOR THE YEAR 2024–25		
S. No.	**Name of Investigation**	**Total Number of Investigations**
1	17-OH Progesterone	792
2	ACTH	638
3	Active B-12	26101
4	AFP	4129
5	AMH	6672
6	Anti-CCP	8421
7	Anti-Tg	562
8	Anti-TPO	4069
9	b-hCG	2614
10	BNP	5060
11	CA-125	5525
12	Ca15.3	2
13	Ca19.9	9205
14	CEA	8734
15	CKMB	46
16	Cortisol	2085
17	C-Peptide	403
18	CRP	248
19	Cyclosporine	1698
20	DHEA-S	1313
21	DHT	179
22	Estradiol	2510
23	Ferritin	12481
24	Folate	17953
25	Free PSA	488
26	Free T3	7074
27	Free T4	8772
28	FSH	10790
29	Growth Hormone (GH)	456
30	HbA1c	12487
31	HE4	25
32	Homocysteine	184
33	IL-6	3
34	Inhibin B	972

35	Insulin	1376
36	Intact PTH	16049
37	LH	10023
38	Methotrexate	822
39	Procalcitonin (PCT)	13943
40	Progesterone	817
41	Prolactin	10430
42	Prostate Specific Antigen (PSA)	3530
43	SHBG	1013
44	Testosterone	4054
45	Thyroid Profile	6715
46	Total T3	17635
47	Total T4	18512
48	Troponin- I	1291
49	TSH	42487
50	Vitamin D	32745
	Total No. of Tests Done	**344133**

No. of test done for JSSK	No. of test done for BPL	No. of test done for AB-PMJAY	No. of test done under RAN
1324	5169	1193	94

In addition, more than **405** tests were done for various research project studies.

- **Andrology Lab:**

Andrology Laboratory provided Semen analysis services to 1500 patients.

No. of Patient related tests/Laboratory Investigations

Year	CRIA Facility	Molecular Cytogenetics Lab	Andrology Lab
2022–23	265857	300	995
2023–24	252725	250	1330
2024–25	344133	350	1500

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Ashutosh Halder was Member expert group on fellowships of reproductive biology and maternal health, ICMR Advisory panel- expert member (Genetics: Fellowship & Membership) of NAMS (cont.). Core Accreditation Committee Member of Quality Council of India (formerly NABL) on Genetics & Cytogenetics (cont.). Member of Program Advisory Committee (PAC) and Institutional Review Board (IRB) of NIHFW, Munirka, Delhi (cont.). Member of the Scientific Advisory Committee, ICMR-NIRRH, Mumbai. Assessment Board Expert for promotion of ICMR scientists (cont.). Editorial board member of various journals, e.g., *EC Gynaecology*, Austin Journal of Reproductive Medicine & Infertility, Journal of Reproductive Healthcare and Medicine, SM Journal of Gynecology and Obstetrics, Clinical Case Reports and Reviews, Journal of Health Science Research, etc. Reviewer for various journals/government funding organizations (national and international). New citations since last year are over 100 (total citation 1700), h-index 22 & i10-index 40. He was **Chairing Conferences (National)** Indian Academy of Biomedical Sciences (North Zone), Delhi Chapter, 5 August 2024; ICRSMM-2024 and 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology, 17 November 2024 (invited talk session); 9th Annual Conference of the Society for Indian Academy of Medical Genetics – IAMG-2024, 6 December 2024 (keynote address sessions). 49th Annual Meeting of the Indian Society of Human Genetics and International Conclave on Neurogenetics, 20-22 January 2025 (plenary sessions). 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025 (oration award sessions). He attended

Conference Poster Assessment (National): 9th Annual Conference of the Society for Indian Academy of Medical Genetics – IAMG-2024; 49th Annual Meeting of the Indian Society of Human Genetics and International Conclave on Neurogenetics, 16 November 2024. 35th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2025), 14 February 2025.

Professor Surabhi Gupta was Chairperson for one session at the 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE-2024) held in November 2024 at Delhi University, Delhi. She was **Chairperson** for two sessions at the National Seminar on Impact of Mobile Phone Radiation and Nanotechnology on Environment and Public Health (NMRNEH -2025) held in March 2025 at JNU, New Delhi. She was Organising Committee member of Inaugural Conference of InSEV – EVOLVE 2025 held in March 2025 at AIIMS, New Delhi. She was Judge for poster session at Inaugural Conference of InSEV – EVOLVE 2025 held in March 2025 at AIIMS, New Delhi.

Professor Mona Sharma was Reviewer of Asian Journal of research in Biochemistry, Journal of medical academics, Journal of Pediatric Endocrinology and Diabetes, DBT research Proposals. She was Expert for PhD review committee at Sharda university, 30 August 2024. She organised Fellowship "Opening Gates Training" course at NIRRCH, Mumbai (Bill & Melinda Gates Foundation) December 2024. She was Judge for poster session at the 41st Annual Meet of Society for Reproductive Biology and Comparative Endocrinology (SRBCE-2024) held in November 2024 at Delhi University, Delhi.

Dr Vivek Dixit Served as stage committee member of AIIMS Research Day and AIIMS Convocation (2025). He also Served as Co-Convener & Keynote speaker at AIIMS humanities initiative.

9.39 Rheumatology

Professor and Head

Uma Kumar

Additional Professors

Ranjan Gupta Danveer Bhadu

Associate Professors

Rudra Prosad Goswami

Scientist - I

Kaustav Chowdhury

HIGHLIGHTS

Department of Rheumatology provides state-of-the-art care to patients with acute and chronic rheumatic ailments and played an instrumental role in building resources, since 2015 August. The 6-bed Rheumatology Day Care service, started in 2012, was the first of its kind in India and continues to cater to patients requiring various treatments and procedures in a cost-effective manner. With the recent addition of 14 indoor beds, both the quality of patient care and resident training have been further enhanced. Various educational activities to increase awareness about arthritis and related disorders among the public and medical professionals are conducted regularly. Vocational and occupational therapy services, along with musculoskeletal ultrasound and certain investigations, constitute an important part of departmental point-of-care services. Department has been on the forefront in research also; it has research grant of INR 5,26,90,098.00 and many collaborative projects are also running. Department faculty had numerous publications in reputed scientific journals. Collaborative research activities have lead to filing of patents. Realizing the need for trained Rheumatology specialists, short-term training to medical specialists from various Government organizations is being provided on regular basis. Department has signed MoU with Ministry of Labour& Employment for comprehensive rehabilitation of patients with disabilities developing due to rheumatic conditions. This MoU is facilitating skill certifications, enhancing employability and opening new vocational avenues empowering patients towards self-reliance.

Action Plan: Department has active teaching programme and it is trying to start super-specialty course 'DM' in Rheumatology once in-door patient facility is started.

EDUCATION

CMEs/Workshops/Symposia/National and International Conferences

Organized Delhi Rheumatology Association monthly clinical meeting -interesting cases

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 43

Uma Kumar: 23 **Danveer Bhadu: 3**

Ranjan Gupta: 9 **Rudra Prosad Goswami: 8**

Uma Kumar

1. Palindromic rheumatism -How to deal in Clinics, Rheumatology CME, 10 to 11 May 2024, Guwahati/Physical
2. Climate change and human health, Climate Change Conclave (C3), 27 May 2025, Delhi/Physical
3. Immunofluorescence and Autoimmune Diseases, Hands-on workshop and CME, 1 June 2024, Faridabad/Physical
4. Managing healthy lifestyle, Mandatory Foundation Programme for fresh recruits of all CPSUs, 15 July 2024, Faridabad/Physical
5. Approach to Patient with Monoarthritis/Polyarthritis, 14th Biennial International Congress Or Othopaedic Rheumatology Conference (ICOR-IORACON-2024), 10-11 August 2024, Varanasi/ Physical

6. Zoster vaccine-Current update (Mentor), Mid-term CME, 1 September 2024, Delhi/Physical
7. Rheumatoid Arthritis (Panelist), Mid-term CME, 1 September 2024, Delhi/Physical
8. Connective tissue diseases clinical practice guidelines, 41st Annual Conference of API-UP Chapter, 14 - 15 September 2024, Agra/ Physical
9. Infection associated arthritis, 30th Annual Conference of Indian Association of Clinical Medicine, 27- 29 September 2024, Udaipur/ Physical
10. Pollution and its health effects, National Conference on Sustainable development goals bridging the gap through higher education, 26 September 2024, Delhi/Physical
11. Clinical aspects of fluoride toxicity and rheumatic diseases, 36th International Conference for Fluoride Research, 13 November 2024, Delhi/ Physical
12. Meteorological Manipulations of Maladies, 39th Annual conference of Indian Rheumatology Association, 21 - 24 November 2024, Bengaluru/Virtual
13. Woman as conservator and propagator of Indian Knowledge Systems-Adi to Amrit Kaal, STREE -2024 National Conference and Expo, 7 - 8 December 2024, Bhopal/Physical
14. Need, challenges, and public perception of OTC Drugs and responsible selfcare, Brainstorming on Ecosystem for over-the Counter (OTC) Drugs in India, 17 December 2024, Delhi/Physical
15. Low Grade Pyrexia -Think Out of the Box, 2nd Conference of the Indian Association of Clinical Medicine - Rajasthan Chapter - RAJIACMCON-2024, 21 - 22 December 2024, Nathdwara, Udaipur, Rajasthan/Physical
16. Managing healthy lifestyle, Mandatory Foundation Programme for fresh recruits of all CPSUs, 30 December 2024, Faridabad/Physical
17. Air pollution and Autoimmunity, 150th years celebration of IMD, 7 January 2025, Delhi/Physical
18. Pregnancy and rheumatology: How autoimmune condition and gestation interact, 4th Joint AIIMS (Delhi)-PGIMER (Chandigarh) Dermatology meeting, 19 January 2025, Delhi/ Physical
19. Infection Associated Arthritis : A case based kaleidoscope, 80th Annual Conference of Association of Physicians of India, 23-26 January 2025, Kolkata/Physical
20. Rheumatoid arthritis-Current management -Where do we place JAK inhibitors in the management, Rheumatology Update-2025, 9 February 2025, Delhi/Physical
21. Management of RA: What to do and what not to do ? AIIMS Raipur Rheumatoid Arthritis 2025, 23 February 2025, Raipur, Chhattisgarh/ Physical
22. Rheumatological emergencies-case based learning, CME for Postgraduates, 23 March 2025, Kozhikode, Kerala/ Physical
23. Interactive case-based presentations in Rheumatology, CME for physicians, 24 March 2025, Kozhikode, Kerala/ Physical

Ranjan Gupta

1. Performance and Concordance of Two Different Methods of Detecting the Commonest Autoantibodies in Systemic Lupus Erythematosus, Japan College of Rheumatology Annual Meeting, 2024, 18 April 2024, Kobe, Japan
2. AS Simple AS complicated, AS assembly, 11 August 2024, Delhi
3. Inflammatory Myositis: Clinical Presentation & management, Virtual CME (Myositis), 21 September 2024, Virtual
4. Autoantibodies in rheumatic diseases, Chhattisgarh APICON, 2024, 19 October 2024, Jagdalpur
5. Complements in Therapeutic development for AIRDs, Applied immunobiology during IRACON, 2024, 21 November 2024, Bengaluru
6. Extra Glandular Manifestations in Sjogren Syndrome, DRA Annual Update, 2025, 9 February 2025, Delhi
7. Clinical perspective into laboratory autoimmunity investigations, Rheuma Vision 2025, 28 March 2025, Kathmandu, Nepal

8. Anti dsDNA- use in diagnosis and monitoring, Rheuma Vision 2025, 28 March 2025, Kathmandu, Nepal
9. Decoding Rheumatology Lab Tests- ANA, RF, anti-CCP, complements and others. Rheuma Vision 2025, 29 March 2025, Kathmandu, Nepal

Danveer Bhadu

1. Indication and hands on I/A steroids in shoulder joint, master classes in paediatric Rheumatology AIIMS, New Delhi, January 2025, Delhi
2. ILD in systemic sclerosis: Panelist, DRA Rheumatology Update, February-2025, Delhi
3. Debate: Role of PRP and Stem cell therapy in osteoarthritis. Against*, RRACON-2025, 29-30 March 2025, Jaipur

Rudra Prosad Goswami

1. A tale of two faces, AS Symposium, 11 August 2024, Delhi
2. Elbow joint, Annual Basic MSK USG Workshop, 1 October 2024, Vellore
3. Immunological evaluation in nephrology practice, Annual Conference of the Indian Society of Paediatric Nephrology, 6 December 2024, Delhi
4. Recognition and management of gangrene in scleroderma, Scleroderma CME, 7 December 2024, Kolkata
5. Tofacitinib versus steroids in rheumatoid arthritis, Annual Conference of the Association of Physicians of India, 25 January 2025, Kolkata
6. Wrist Joint, Annual advanced MSK USG Workshop, 28 February 2025, Vellore
7. Salivary gland, Annual advanced MSK USG Workshop, 1 March 2025, Vellore
8. Elbow joint, Musculoskeletal ultrasound Workshop (Basic Level), 21 -22 March 2025, Bilaspur

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
33	45	43

List of oral papers/posters presented: 15

1. Kumar U, Aggarwal M, Kanjilal M, Bhadu D, Patel K**,** Randomized, open-label, parallel-group interventional controlled trial evaluating efficacy of multimodal Ayurveda interventions in Primary Knee Osteoarthritis: Preliminary**,** 26th Asia-Pacific League of Rheumatologists (APLAR) Conference, 22 August 2024**,** Suntec, Singapore
2. Jain S, Pridhivi B, Khan AR, Spalkit S, Soneja M, Sharma MC, et al, Clinico-Immunological Profile and Treatment Outcomes of Clinically Significant Diaphragmatic Weakness in Patients with Idiopathic Inflammatory Myopathies: Results from the Largest Single-Center Cohort of 16 Cases", American College of Rheumatology Annual Meeting 2024, 17 November 2024, Washington, USA
3. Sharma G, Singh A, Yadav R, Kumar U**,** Bhatia R, Effect of six weeks of medical yoga therapy on Pain status and Offset analgesia in Fibromyalgia patients. 2nd International Conference of Indian Society of Sports and Exercise Medicine 2024, 16 November 2024, Varanasi
4. Kumar A, Kumar U**,** Yadav R, Venkataraman S, Singh A, Khan MA, et al, Exploring effect of yoga and standard therapy on corticomotor functions and pain relief in fibromyalgia patients: A Randomized Controlled Trial. 69th Annual General Assembly and Scientific Meeting of the Japan College of Rheumatology, JCR 2025, Fukuoka, Japan, 26 April 2024, Fukuoka, Japan
5. Kumar A, Kumar U, Yadav RK, Singh A, Khan MA, Venkataraman S, et al, Exploring Sesnsorimotor Dysfunction in Fibromyalgia: Effect of Medical Yoga Therapy on Pain Sensitivity, Flexibility and Cortical Excitability. 4th AIIMS Research Day, 29 January 2025, New Delhi

6. Kumar A, Kumar U, Yadav R, Venkataraman S, Singh A, Khan MA, et al, Attempting symptomatic alleviation by sensorimotor improvement through medical yoga therapy in fibromyalgia. 26th Asia-Pacific League of Rheumatologists (APLAR) Conference, 22 August 2024, Suntec, Singapore
7. Kumar A, Singh A, Yadav R, Venkataraman S, Kumar U, et al, Neuromodulation by medical yoga therapy: Harnessing pain and corticomotor excitability, 16th World Congress of The International Neuromodulation Society, 25 September 2024, Vancouver, Canada
8. Kar S, Kumar U, Yadav RK, Singh A, Das S, Bhatia R*, Effect of Low-frequency Repetitive Transcranial Magnetic Stimulation on Pain and Cortical excitability in Rheumatoid Arthritis, 6th International Brain Stimulation Conference, 25 February 2025, Kobe, Japan
9. Hussain T, Saquib M, Malik S, Agnihotri P, Choudhary B, Joshi L, et al, Targeting LRG1: A Critical Regulator in Rheumatoid Arthritis Pathogenesis, 2nd International Conference on Recent Innovations in Biological, Chemical & Clinical Science, 6-7 May 2024, Ghaziabad
10. Gupta Ranjan, Rani Sonam, Goswami Rudra Prosad, Kumar Jayanth, Performance and Concordance of Two Different Methods of Detecting the Commonest Autoantibodies in Systemic Lupus Erythematosus, Japan College of Rheumatology Annual Meeting 2024, 18 April 2024, Kobe, Japan
11. Gupta Ranjan, Rajput Sonam, Kumar Jayant, Rudra Prosad, Soluble TNF RII in Lupus Nephritis as a Biomarker of Disease Activity and Treatment Response, American College of Rheumatology Annual Meeting 2024, 16 November 2024, Washington, USA
12. Gupta Ranjan, Rani Sonam, Goswami Rudra Prosad, Kumar Jayanth, Aggarwal Amita, Performance and Concordance of Two Different Methods of Detecting the Commonest Autoantibodies in Systemic Lupus Erythematosus, American College of Rheumatology Annual Meeting 2024, 18 November 2024, Washington, USA
13. Bhadu D, Choudhary A, Goswami R, Kumar U, Role of TLR-4 in Acute Gouty Arthritis- A Pilot Study, EULAR-2024, 12 -15 June 2024, Vienna, Austria
14. Goswami RP, Jain A, Das KK, Babu V, Das S, Spalkit S, Banerjee A, Automated Image Analysis of Ultrasound Image using Machine Learning Models: Detection of Double Contours, International Conference of Chinese Rheumatologists (ICCR 2024), 10 November 2024, Hong Kong, China1
15. Chowdhury Kaustav, Mitra DK, Kumar Uma, Das Soumabha, Kanjilal Moumita, Elevated frequency of iNKT 17 cells in treatment naïve Rheumatoid arthritis patients: correlation with disease activity. Immunocon 2024, 17-22 October 2024, Bangalore

[1] second best oral presentation; travel grant

Total number of oral/poster presentations

2022–2023	2023–2024	2024–2025
2	29	15

RESEARCH

Funded projects

Ongoing

1. A Multicenter Randomized Double-Blind Placebo-Controlled Phase 3 Study to Evaluate the Efficacy and Safety of Anifrolumab in Adult Patients with Active Proliferative Lupus Nephritis, Dr. Uma Kumar, Astrazaneca, 2 Years, 2023-2025, Rs 23.62 Lakhs
2. A Multicenter, Randomized, Parallel-group, Double-blind, Two-arm, Phase III Study to Evaluate the Safety and Efficacy of Anifrolumab Compared with Placebo in Male and Female Participants 18 to 70 Years of Age Inclusive with Systemic Sclerosis, Dr Uma Kumar, AstraZeneca (Daisy), 2 Years, 2024-2026, Rs 6.24 Lakhs
3. A Phase -I, multicenter, multinational, randomized, double-blind, Placebo-controlled study to assess the safety, efficacy and pharmacokinetics of multiple dose levels of ESK-001 in adult patients with systemic lupus erythematosus, Ranjan Gupta, Clinical Trial funded by Alumis, 2 Years, 2024-2026, Rs 23.02 Lakhs

4. A Phase II, randomised, placebo-controlled, double-blind, parallel-group, efficacy, and safety study of at least 48 weeks of oral BI 685509 treatment in adults with progressive systemic sclerosis. Dr Uma Kumar, BI, 2 Years, 2024-2026, Rs 7.91 Lakhs
5. A randomized, controlled trial to evaluate the efficacy of multimodal Ayurveda intervention interventions in Jananu Sandhigatavata (Primary Knee osteoarthritis), Dr Uma Kumar, AYUSH, 3 Years, 2022-2025, Rs 62.43 Lakhs
6. A randomized, double-blind 2-arm NEPTUNUS extension study to assess the long-term safety and efficacy of ianalumab in patients with Sjögren's syndrome, Dr Uma Kumar, Novartis, 5 Years, 2024-2029, Rs 19.98 Lakhs
7. A randomized, double-blind, parallel group, placebo-controlled multicenter study to evaluate efficacy, safety and tolerability of ianalumab in participants with diffuse cutaneous systemic sclerosis, Dr Uma Kumar, Novartis, 3 Years, 2025-2028, Rs 14.03 Lakhs
8. A randomized, double-blind, placebo controlled, 3-arm multicenter phase 3 study to assess the efficacy and safety of ianalumab in patients with active Sjögren's syndrome (NEPTUNUS-2), Dr Uma Kumar, Novartis, 2 Years, 2023-2025, Rs 20.56 Lakhs
9. A randomized, double-blind, placebo-controlled multicenter phase 3 study to evaluate efficacy, safety and tolerability of ianalumab on top of standard-of-care therapy in patients with systemic lupus erythematosus (SIRIUS-SLE 2), Dr. Uma Kumar, Novartis, 1.5 Years, 2024-2026, Rs 30.31 Lakhs
10. An open-label, multi-center protocol for patients who have completed a previous Novartis sponsored Secukinumab study and are judged by the investigator to benefit from continued Secukinumab treatment. Dr Uma Kumar, Novartis, 3 Years, 2022-2025, Rs 90.88 Lakhs
11. Antinuclear Antibody Immunofluorescence Patterns in Systemic Lupus Erythematosus: Diagnostic and Prognostic Evaluation using Artificial Intelligence, Ranjan Gupta, ICMR, 2 Years, 2023-2025, Rs 79.99 Lakhs
12. Assessment of the beliefs, knowledge and perception of the patients and health care providers about rheumatoid arthritis and effect of the information course. Ranjan Gupta, Pfizer Inc. 4 Years, 2021-2025, Rs 13.86 Lakhs
13. Assessment of the Knowledge Gaps of Primary Care Physicians in the Diagnosis and Management of Rheumatoid Arthritis and Impact of a Short-Term Training Course, Ranjan Gupta, Pfizer Inc. 4 Years, 2021-2025, USD 46111=36,88,880 approx.
14. Comparison of Metabolomics Profiles Between Patients with Proliferative and Membranous Lupus Nephritis in London and New Delhi, Ranjan Gupta, AIIMS Intramural AIIMS-UCL grant, 4 Years, 2021-2025, Rs 5 Lakhs
15. Efficacy of Tofacitinib treatment in non-radigraphic axial spondyloarthritis on retardation of bone proliferation and pro-inflammatory soluble biomarkers (TNFalfa, IL-17, IL-22 & IL-23) levels: A prospective observational study. Dr DanveerBhadu, Institutional Research Grant, 2 Years, 2024-2026, Rs 10 Lakhs
16. Foot Pressure Distribution Assessment Using Wearable Pressure Insole for Foot Arthritis Diagnosis and Treatment Monitoring in Rheumatoid Arthritis, Ranjan Gupta, Delhi Rheumatology Association, 3 Years, 2022-2025, Rs 5 Lakhs
17. Foot-pressure distribution method for detection and localization of foot joint arthritis: A comparison with conventional radiographs, Ranjan Gupta, AIIMS UG grant, 3 Years, 2022-2025, Rs 2 Lakhs
18. GS-US-417-0304 Protocol Title: "A Multicenter, Double-blind, long term extension study to assess the Safety and Efficacy of Filgotinib in subjects with Rheumatoid Arthritis ", Dr Uma Kumar, Galapagos, 5 Years, 2019, February 2025, Rs 1137468.00
19. Macrophage Migration Inhibitory Factor (MIF) and CD74/CD44 system as a biomarker of treatment response in Rheumatoid Arthritis, Ranjan Gupta, Institutional Intramural Grant, 5 Years, 2020-2025, Rs 10 Lakhs
20. Magnitude, characteristics and endurance of Immune Response to COVID-19 Vaccination in patients with Systemic Lupus Erythematosus: A multicentric cohort study, Ranjan Gupta, ICMR, 3 Years, 2022-2025, Rs 74.59 Lakhs
21. Menstrual Patterns and Sexual Function in Patients with Systemic Lupus Erythematosus: Focus on Longitudinal Interaction with Disease Activity, Ranjan Gupta, DHR, 3 Years, 2024-2027, Rs 44 Lakhs
22. Role of Gama chain cytokine(s) in non responder to anti TNF therapy in Rheumatoid arthritis patients**.** Dr. Kaustav Chowdhury, AIIMS (Early career research grant), 2 Years, 2024-2026, 5 Lakhs

23. Role of IL-9 in differentiation and polarization of AtoMs in Rheumatoid Arthritis, Dr. RudraProsadGoswami, AIIMS Intramural Collaborative Research Project, 2 Years, 2025-2027, Rs 20 Lakhs

Completed

1. A randomized, double-blind, placebo controlled, 3-arm multicenter phase 3 study to assess the efficacy and safety of ianalumab in patients with active Sjögren's syndrome (NEPTUNUS-2), Dr. Uma Kumar, Novartis, 1 Year, 2023-2024, Rs 20.56 Lakhs
2. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE**,** Ranjan Gupta**,** DBT**,** 5 Years, 2018-2024, Rs 99.85 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Long term follow up focusing on clinical features, treatment strategies and outcome of systemic sclerosis patients: A retrospective study

Collaborative projects

Ongoing

1. Effect of MRI based neurofeedback guided motor imagery training on cortical excitability and pain status in rheumatoid arthritis. Physiology
2. Evaluation of immunomodulatory activities of toll like receptor signalling inhibitors in lupus periphral blood mononuclear cells, Biotechnology
3. Genomic approach to stratify responders vs non responders to cyclophosphamide (CYC)/hydroxychloroquine (HCQ)/ Mycophenolate (MMF)/ rituximab and to identify novel class of circulatory miRNA to predict flare episode in Systemic Lupus Erythematosus (SLE), Department of General Medicine, Kasturba Medical College, Manipal, Karnataka
4. Steroid sparing efficacy of tofacitinib in adult dermatomyositis, Medicine

Completed

1. Automated Image Analysis of Ultrasound Image using Machine Learning Models: Detection of Double Contours, Department Mathematics, IIT Kharagpur
2. Clinico-sero-pathological classification and pathogenesis of idiopathic inflammatory myopathies, Pathology
3. Correlation of tear inflammatory mediators and serum auto antibodies with disease severity in systemic autoimmune disorders, Dr. RP Center for Ophthalmic Sciences
4. Effect of yogic intervention on pain and autonomic profile in Fibromyalgia patients, Physiology
5. Effect of yogic intervention on pain status and cortical excitability in fibromyalgia patients, Physiology
6. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Clinical Immunology and Rheumatology, St John's Medical College Hospital, Bengaluru, India.
7. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Clinical Immunology and Rheumatology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India
8. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Rheumatology, Nizam Institute of Medical Sciences, Hyderabad, India.
9. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Division of Clinical Immunology and Rheumatology, SMS Medical College and Hospital, Jaipur, India.
10. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Medicine, SCB Medical College, Cuttack, India.
11. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Clinical Immunology and Rheumatology, Christian Medical College, Vellore, India.

12. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Nephrology, PGIMER, Chandigarh, India.
13. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Clinical Immunology and Rheumatology, IPGMER, Kolkata, India.
14. Multi-institutional Network Program on Systemic lupus Erythematosus: Understanding the diversity of SLE, Department of Clinical Immunology, JIPMER, Puducherry, India.
15. Prevalence and Clinical correlation of Myositis –Specific and Myosistis –Associated Autoantibodies in Indian Myosities Cohort. Neuropathology Laboratory

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	15	13	23
Total funding (INR)	Rs 473.91 Lakhs	Rs 30.28 Lakhs	Rs 526.90 Lakhs

Publications:

Journals: 17 **Abstracts: 03** **Chapters in Book: 03**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**28**	**23**	**23**

PATIENT CARE

Item	2022–2023	2023–2024	2024–2025
OPD consultations	40718	41350	34666
Special clinic consultations	2918	3170	3021
Patients provided rehabilitation services	7041	7288	8776
Total inpatient admissions	5765	5700	6073
Laboratory Investigations	53277	68462	77199

Occupational Therapy in Department of Rheumatology, All India Institute of Medical Sciences (AIIMS), New Delhi is dedicated to enhancing the quality of life for patients through a comprehensive approach that integrates therapeutic exercises, patient education, and advanced rehabilitation techniques.

Occupational therapy (OT) is a vital component of the multidisciplinary care provided to patients with rheumatologic conditions. We use evidence-based practices to assess, diagnose, and treat a wide range of musculoskeletal and autoimmune disorders. The primary objective of OT is to enable patients to achieve optimal functional independence in their daily activities ADL, thereby improving their overall well-being.

Activities Undertaken

The Department of Occupational Therapy engages in a variety of activities aimed at promoting patient recovery and functional improvement. These activities include:

1. **Comprehensive Assessments:** Detailed evaluations of patients' physical, cognitive, and psychosocial status to develop individualized treatment plans.
2. **Therapeutic Interventions:** Implementation of customized therapeutic exercises and activities designed to enhance mobility, strength, and coordination.
3. **Patient Education:** Providing patients and their families with information on disease management, ergonomic principles, and adaptive techniques to facilitate daily living.
4. **Interdisciplinary Collaboration:** Working closely with rheumatologists, physiotherapists, and other healthcare professionals to ensure a holistic approach to patient care.
5. **Splints:** Fabrication of Upper extremity Orthosis, Splints, Adaptive& Assistive Devices
6. **Therapeutic Exercises:** Our department employs a range of therapeutic exercises tailored to the specific needs of each patient. These exercises include:

1. *Range of Motion (ROM) Exercises:* Designed to maintain or improve joint flexibility and prevent contractures. These exercises are crucial for patients with conditions such as rheumatoid arthritis and osteoarthritis.
2. *Strengthening Exercises:* Focused on enhancing muscle strength and endurance. These exercises are particularly beneficial for patients experiencing muscle weakness due to chronic inflammation or prolonged immobility.
3. *Functional Training:* Activities that simulate daily tasks to improve patients' ability to perform activities of daily living (ADLs) independently. This includes training in self-care, mobility, and home management skills.
4. *Neuromuscular Re-education:* Techniques aimed at improving coordination, balance, and proprioception. These exercises are essential for patients with neurological impairments or those recovering from joint surgeries.
5. *Pain Management Techniques:* Incorporating modalities such as heat, cold, and electrical stimulation to alleviate pain and reduce inflammation.

We are committed to providing high-quality, patient-centered care through innovative therapeutic interventions and collaborative efforts. Our goal is to empower patients to lead fulfilling lives by maximizing their functional abilities and promoting overall health and well-being.

S.No	Month	No of Patients
1	Apr–24	699
2	May–24	758
3	Jun–24	622
4	Jul–24	477
5	Aug–24	495
6	Sep–24	632
7	Oct–24	602
8	Nov–24	494
9	Dec–24	606
10	Jan–25	504
11	Feb–25	487
12	Mar–25	512
	Total Patients	6888

COMMUNITY SERVICES

1. Participation in medical camps

S. No	Name of the camp	Place
1	Medical Camp	Kargil
2	Medical Camp	Mysore
3	Medical Camp	Leh, ladakh
4	Medical camp	Naudera, Pratapgarh

2. Raising awareness about rheumatic and autoimmune diseases by participating in various radio and television programs and, writing articles in news papers

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Uma Kumar was Nominated to the editorial board of Annals of Ayurvedic Medicine. She completed PhD thesis evaluator – Jawaharlal Nehru University, PGIMER, Chandigarh. DM thesis evaluator - PGIMER, Chandigarh. She was Nominated member to the Programme Management Board for promotion of University Research and Scientific Excellence (PURSE) Program, DST, Ministry of Science & Technology, GOI. She was Nominated member to the subject expert committee on " Biosciences and Biotechnology for Level-2 Evaluation of INSPIRE Fellowship application, DST, Ministry of Science & Technology, GOI. She was Nominated member to the subject Expert committee for technical evaluation of proposals received under WISE-Societal Challenges with Opportunities (SCOPE) program, DST, Ministry of Science & Technology, GOI. She was Nominated to the Reviewers panel for evaluating the R&D proposals received in the area of

Urban Climate and Extreme by Climate Change Program (CCP), DST, Ministry of Science & Technology, GOI. She was Nominated subject expert, New Drugs Division by Central Drugs Standard Control Organization, DGHS, MoH & FW, GOI. She was Nominated member to the Clinical Sub-Committee of National Programme for Prevention and Control of Fluorosis (NPPCF) under MoH&FW, GOI. She was PhD examiner - Jawaharlal Nehru University, PGIMER, Chandigarh. She was DM (Clinical Immunology & Rheumatology) examiner - PGIMER, Chandigarh. She was Dr NB (Clinical Immunology & Rheumatology) examiner. She Participated in mRSS training program in Paris. She Attended investigators meeting in Bangkok (Thailand). Moderated clinical cases in Clinical Rheumatology Conference 2024 in Secunderabad, Telangana. She was Invited as a panellist to participate in a Public Lecture on Paediatric Rheumatic Disorders. She Participated in several medical camps in remote areas.

Professor Ranjan Gupta participated APLAR Centre of Excellence Exchange Program in University of Tokyo, Japan. He received International Travel award by the Japanese College of Rheumatology to attend their 69th annual conference of JCR-2025, Fukuoka, Japan.

Professor Danveer Bhadu was Member of Board of Examination, Department of Rheumatology, KGMU. He was Executive member of Delhi Rheumatology Association (2022-24), second term (2024-26).

9.40 Surgical Disciplines

Professor and Head

Sunil Chumber

Professors

Rajinder Parshad	Virinder Kumar Bansal	Anita Dhar
Asuri Krishna	Hemanga K Bhattacharjee	Piyush Ranjan

Additional Professors

Manjunath Maruti Pol	Mohit Joshi	Kamal Kataria
Suhani Yashwant Rathore		Om Prakash

Assistant Professors

Ankita Singh	Sanjeet Kumar Rai	Aditya Kumar
Uttam Kumar Thakur	Devender Singh	Brijesh Kumar Singh
Sushant Soren	Nelson T. Washim	Firoz Khan
Arun Anand		Aditya Bakshi

Scientist - I

Darakhshan Qaiser Arshi Rizwan

HIGHLIGHTS

The Department of Surgical Disciplines is organised into six units and has expanded its surgical services with the installation of robotic surgical system in the operating area and dialysis facility within the surgical critical care area. Several newly introduced afternoon specialty clinics have successfully addressed a range of surgical domains including Benign Breast Disease, Endocrine Surgery, Cancer Genetics, Stoma, Male Sexual Health, Gastrointestinal & Gallbladder Stones, Hernia, Coloproctology, Vascular, Renal Transplant and Arteriovenous Fistula (Venous Access), and Pectus Clinics over the last one year. These complemented the existing clinics such as Breast Cancer, Bariatric Surgery, Combined Pulmonary-Surgery, and Follow-up Clinics. The Geriatric Surgery OPD has completed almost two years of successful operation, with plans to soon initiate dedicated inpatient and operative services. Multiple academic events including conferences, CMEs and surgical workshops were organized by the department, some with collaboration with reputed national and international scientific bodies, contributing to the training of numerous national and international delegates. The faculty from the department are involved in simulation based teaching and training, both at the departmental surgery skill centre stationed in the Surgery Block and the skill as well as wet lab in the SET facility. The department has mentored the development of advanced surgical services such as renal transplantation at other AIIMS. The department received accolades with wining the rolling trophy for best monthly meeting of the D elhi state chapter of the Association of Surgeons of India. Faculty and residents have presented their research work in many national and international conferences, some of which received appreciation in the form of awards and prizes. The department also hosts international medical graduates from European countries like Germany for providing them with short term externships.

EDUCATION

CCRs presented by the Department:

Saga of a small leak in a sinking ship	6 August 2024
Metabolic mysteries: decoding the puzzle of hypoglycaemia	17 September 2024
The Synergy of Two (unit 4)	12 November 2024
Combined Laparo-Endoscopic Management of Gastric GIST	18 February 2025

CGRs by the Department:

Panorama of MEN syndromes	04 February 2025
Main streaming of breast cancer genetics: need challenges and our early experience	04 March 2025

NUMBER OF SHORT TERM/LONG TERM TRAINEES

Junior Residents		77
Senior Residents	MCh-Breast, Endocrine and General Surgery	09
	MCh-Minimal Access and General Surgery	16
	Non- MCh	31
Fellowship	Bariatric Surgery	01
Observer ship	National	11
	International	9

CMEs/Workshops/Symposia/National and International Conferences

1. CME in Endocrine Surgery, 6 April 2024
2. Schhwata Pakhwada, 9 April 2024
3. Workshop on Thesis Protocol Writing for January 2024 (1st Semester) Batch of MS and MCh Course Residents, 13 April 2024
4. Workshop on Wound Care, 20 April 2024
5. Workshop on Thesis Writing for January 2022 (5st Semester) Batch of MS and MCh Course Residents, 20 April 2024
6. 1st AIIMS Colo-Proctology Symposium with pre-conference workshop, 24-27 April 2024
7. Bariatric Surgery Support Group Meeting, 2 May 2024
8. Indo German bilateral Cooperation fostering mobility of students, faculty, clinicians, researcher and joint/dual degree program,
   a. joint research program, 2 May 2024
9. Hand Hygiene Day, 8 May 2024
10. Complications of stoma: Prevention and management strategies, 27 July 2024
11. Hands on workshop: USG guided biopsy of breast lesions, 30 July 2024
12. Orientation Workshop for New Surgery Residents, 10 August 2024
13. Pre- conference workshop-CME in Surgery, 1 September 2024
14. CME in Surgery and Annual Day, 2-5 September 2024
15. Indian Society of Transplant Surgeons Cadaveric Workshop and CME, 7-8 September2024
16. BARICON 2024, 25-28 September 2024
17. Endosurg 2024, 17th National Conference of SELSI (SELSICON 2024)- Post Graduate CME & Cadaveric Workshop & FCLS/MCLS Exam, 16- 19 October 2024
18. Thesis protocol writing program for July 2024 (1st Semester) Batch of MS and MCh Course Residents, 26 October 2024
19. Vigilance awareness week and programme, 28 October 2024
20. Workshop on Thesis Writing for July 2022 (5th Semester) Batch of MS and MCh Course Residents, 2 November 2024
21. Genetic counselor Awareness Day, Webinar, 13 November 2024
22. World Antimicrobial Resistance Awareness Week, 18-22 November2024
23. Surgery Block day, 6 December 2024
24. ASICON Agra- Live Operative telecast – from AIIMS, Surgery OT, 11 December 2024
25. AIIMS- HISI, 14 December 2024
26. Training Camp for NSV for conduct Didactic sessions for the Training Program, 16- 19 December 2024

27. Orientation Workshop for New Surgery Residents, 2 February 2025
28. Year in Review- Updates in Breast Cancer, poster presentation, 1 to 2 March 2025
29. Lymphedema Workshop on World Lymphedema day, 6 March 2025
30. Masjid Moth Campus- Sports meet, 2-9 March 2025
31. Thesis protocol writing programme for January 2025 (1st Semester) Batch of MS and MCh Course Residents, 15 March 2025
32. Symposium on chest wall surgery, Theme "Chest wall Deformities, Trauma & Tumour- 2025, 21-23 March2025
33. Cadaveric workshop on chest wall, 23 March 2025
34. Workshop on Thesis writing for 5th Semester Batch January 2025 For MS and M.Ch Residents, 29 March 2025

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 201

Sunil Chumber: 3	**Rajinder Parshad: 13**	**Virinder Kumar Bansal: 5**
Anita Dhar: 9	**Hemanga Bhattacharjee: 6**	**Asuri Krishna: 1**
Piyush Ranjan: 18	**Manjunath Maruti Pol: 5**	**Mohit Joshi: 15**
Kamal Kataria: 10	**Suhani: 12**	**Yashwant Singh Rathore: 7**
Om Prakash: 8	**Ankita Singh: 21**	**Sanjeet Kumar Rai: 11**
Aditya Kumar: 8	**Uttam Kumar Thakur: 5**	**Devender Singh: 13**
Brijesh Kumar Singh: 2	**Sushant Soren: 2**	**Washim Firoz Khan: 2**
Arun Anand: 8	**Nelson T: 7**	**Aditya Baksi: 8**

Sunil Chumber

1. Expert for framing the guidelines to regulate the conduct and broadcast of live Surgeries, National Medical Council, 13 September 2024, Delhi
2. Solitary Thyroid Nodule, MAMC Surgery Update 2024 (23-28 September 2024), 26 September 2024, Delhi
3. Management of Thyroid cancers (Panelist), LHMC Surgery, PG Clinical Update, 6th Edition, 2025, 27 March 2025, Delhi

Rajinder Parshad

1. Current Status of Robotics in General Surgery, Robotic Surgery Update, King George Medical University, 29 May 2024, Lucknow, UP
2. Pre-operative Work-up and Surgery for Myasthenia, 6th Annual Conference ISTSCON 2024, 8–9 November 2024, Hyderabad
3. Minimal Invasive Approach to Hiatus Hernia, SURGICON 2024, 16 November 2024, Delhi
4. Sharing Our Experience of Robotic Surgery, XIV National Conference of Society of Surgeons of Nepal CME in MIS, 21–23 & 24–25 November 2024, Pokhara & Kathmandu, Nepal
5. *Minimal Invasive Management of Hiatus Hernia,* XIV National Conference of Society of Surgeons of Nepal CME in MIS, 21–23& 24–25 November 2024, Pokhara & Kathmandu, Nepal
6. *Safe Cholecystectomy and Bailout Procedures,* XIV National Conference of Society of Surgeons of Nepal CME in MIS, 21–23& 24–25 November 2024, Pokhara & Kathmandu, Nepal
7. VATS in Mediastinal Tumors, IACTS Thoracic CME Jammu 2024, 30 November – 1 December 2024, Jammu, J&K
8. Benign Esophageal Disorders, CME on Benign Esophageal Disorders, 1 February 2025, Delhi
9. Robotic Thymectomy in Myasthenia Gravis, 1st Annual International Conference THORAX-2025, Yashoda Hospitals, 7–9 February 2025, Hyderabad
10. Hiatus and Diaphragmatic Hernia Repair (Robotic/Laparoscopic)", 6th LHMC Surgery PG Clinical Update 2025, Lady Hardinge Medical College, 27–30 March 2025, Delhi

11. *Breast Conservation Surgery vs Mastectomy – Is BCS Oncologically Superior?* "Year in Review – Updates in Breast Cancer", 1–2 March 2025, Delhi
12. *Chest Wall Tumors: Overview, Presentation & Management* Contemporary Practices in Surgery Symposium on Chest Wall Diseases 2025, 21–23 March 2025, Delhi
13. *Managing Chest Wall Tumors,* Contemporary Practices in Surgery Symposium on Chest Wall Diseases 2025, 21–23 March 2025, Delhi

Virinder Kumar Bansal

1. Difficult laparoscopic Cholecystectomy, SELSICON 2024, 17 May 2024, Coimbatore
2. Difficult gall bladder -safe landing, 4th Foundation Day CME, PGIMER, 2 August 2024, Chandigarh
3. ASICON-Agra 2024 (Live Operative Workshop)(TAPP, Lap Chole, Cystogastrostomy), ASICON 2024, 11 December 2024, Delhi
4. Kshar-Sutra in Anorectal Diseases, AIM 2025, 7 March 2025, Delhi
5. Laparoscopy for Pancreatic Fluid Collections, Pancreas 2024, 2024, (Online) Delhi

Anita Dhar

1. New trends in Decongestive Therapy for Patients with Breast Cancer-Related Lymphedema, (Chair: Ed Rusling –in person) International lymphedema Framework, 23 July 2024, (Online) UK
2. Management options peripheral Vascular disease (arterial), AIIMS CME 2024, 4 September 2024, Delhi
3. From Adolescence to Healthy Adults, "Surgical Health of Children", 9 September 2024, Delhi
4. Endoscopic Total Thyroidectomy, IAESCON 2024, KGMU, 23 September 2024, Lucknow
5. Double strike on Thyroid, IAESCON 2024, KGMU, 23 September 2024, Lucknow
6. Locally Advanced Breast Cancer, MAMC Surgery update 2024, 25 September 2024, Delhi
7. Arbiter for the discussion for & against "Remote access thyroid surgery is a passing fad – can't become a standard of care" discussion, Endosurg 2024, AIIMS, New Delhi, 17 October 2024, Delhi
8. Lymphedema in Breast cancer, ABSI-CME 2025, JNMCH, AMU, 21 February 2025, Aligarh
9. Surgery for post mastectomy lymphedema, Year in Review- Updates in Breast Cancer 2025, 02 March 2025, Delhi

Hemanga Bhattacharjee

1. TEM to TAMIS, AIIMS Coloproctology Symposium (ACS 2024), 25-27 April 2024, Delhi
2. Laparoscopic anterior resection, SCOPE COURSE- 2024, 20 July 2024, Delhi
3. TAMIS: History and present status, 20th World Congress for Endoscopic Surgery, 23-24 October2024, Kolkata
4. De-escalation in management of axilla for breast cancer, RESURGE- 2024, PGI, Chandigarh, 15-17 November2024, Chandigarh
5. Robotic groin hernia repair, 16th Annual National Conference of Indian Hernia Society (IHSCON 2024), 13-14 February2025, Ranchi
6. TAMIS, 7th JIPMER Surgery Update 2025, 27-30 March 2025, Puducherry

Asuri Krishna

1. Minimally invasive approaches for incisional hernias management, IHSCON 2025, 13 & 14 February 2025, Ranchi

Piyush Ranjan

1. Tips and Tricks in Laparoscopic Adrenelectomy, Endocrine Surgery CME, 6 April 2024, Delhi
2. Series of eight lectures on Breast Cancer, National Board of Examination, June-August 2024, Delhi
3. Lecture, ABSI mid-term, 21July 2024, Aligarh

4. Talk on research methodology, Medisicon, VNMC Safdarjung New Delhi, 4 August 2024, Delhi
5. Lecture on first aid, FACE-First aid for common emergencies, 6 August 2024, Delhi
6. Faculty, Instructor course, ATLS, Amrita Institute of Medical Sciences, Faridabad, 25 August 2024, Faridabad
7. Endoscopic Hemithyroidectomy, Annual Day and CME, 02 September2024, Delhi
8. Faculty, Instructor course, ATLS, Max hospital, Saket, 14 September 2024, Delhi
9. Video presentation, IAESCON, KGMU, 20 September 2024, Lucknow
10. Paraduodenal hernias, MAMC Update, 25 September 2024, Delhi
11. Keynote address about the Imaging modality and advances in imaging in breast cancer, Breast Imaging Workshop', 26 October 2024. Jammu
12. Moderated Webinar, Role of Genetic Counsellors in Healthcare, 13 November 2024, Delhi
13. Course director, INSIGHT, 14-17 November 2024, Delhi
14. Lobectomy vs Total Thyroidotomy in DTC, SURGICON, 17 November 2024, Delhi
15. Guest lecture, Cancer awareness Rotary international, 23 November 2024, Delhi
16. Panel Discussion Hyperthyroidism for Surgeons, Annual Conference of the Association of Surgeons of India, 11 December 2024, Agra
17. Post Crash management, TRAX –Vivekanand college, 11 February 2025, Delhi
18. Make in India – medical devices challenges and way ahead, 32nd foundation day NMR, 25 March 2025, Delhi

Manjunath Maruti Pol

1. Strategies For Bowel Salvage In Mesenteric Ischemia, Annual Conference of the Delhi State Chapter of the Association of Surgeons of India (SURGICON2024), 15-17 November 2024, Delhi
2. SAS-J (Sleeve Gastrectomy Plus Sleeve Jejunal Bypass) For Obesity, FIAGES, 29 November – 1 December 2024, Delhi
3. Guest Lecture On Single Anastomosis Sleeve Jejunal Bypass For Obesity And Diabetes, 7th JIPMER surgery update-2025, 27-30 March 2025, Puducherry
4. Video Lecture on Acute and Chronic Mesentericischemia, 7th JIPMER surgery update-2025, 27-30 March 2025, Puducherry
5. Combined Laparo-Endoscopic Management of Gastric GIST, Clinical Combined Rounds, 18 February 2025, Delhi

Mohit Joshi

1. FAST examination, POCUS Workshop, 26 July 2024, Delhi
2. Modern management of enterocutaneous fistula', Webinar series in General surgery by NBE, 5 August 2024, Online
3. Principles of adult learning, Basic course in Medical and Health Profession's education, 29-31 August 2024, Delhi
4. Overview of curriculum development, Workshop on curriculum design and framing educational objectives, 5 October 2024, Delhi
5. Vacuum bell therapy for Pectus excavatum, ISTSCON 2024 (6th Annual conference of ISTS), 8-10 November 2024, Hyderabad
6. Attributes of good assessment tool' Other tools of assessment: MSF, portfolios, Mini-CEX and WPBA, Assessment in Medical Education, 21 November 2024, Delhi
7. Objective Structured Clinical Examination, Workshop on 'OSCE', 23 November 2024, Delhi
8. Basics of thoracic surgery, Webinar series in General surgery by NBE, 11 February 2025, Online
9. Pre-operative workup for lung resection', Webinar series in General surgery by NBE, 18 February 2025, Online
10. Pulmonary hydatid cyst: Presentation and management, Webinar series in General surgery by NBE, 25 February 2025, Online

11. Surgical management of Empyema thoracis', Webinar series in General surgery by NBE, 4 March 2025, Online
12. Overview of curriculum development, Workshop on curriculum design and framing educational objectives, 9 March 2025, Delhi
13. Fungal infections of lung and lung abscess', Webinar series in General surgery by NBE, 18 March 2025, Online
14. Overview and work up of patients with pectus deformities', Symposium on chest wall surgery, 21-23 March 2025, Delhi
15. How to write review of literature, Workshop on Thesis writing, 29 March 2025, Delhi

Kamal Kataria

1. Types of Wound Dressings, Training of Trainers "Wound Care", 20 April 2024, Delhi
2. How to frame results during thesis writing, Thesis writing Workshop, 29 March 2025, Delhi
3. Triple Assessment of breast cancer, NICPR-ECHO Cancer training programme for Medical Officers, 18 May 2024, Noida, Uttar Pradesh
4. Focused Parathyroidectomy", CME in Endocrine Surgery, 6 April 2024, Delhi
5. Axillary Lymph node dissection, ABSICON 2024, Lucknow, 2August 2024, Lucknow
6. Thyroid Surgery-Bench to Bedside, IAESCON 2024 Lucknow, 20 September 2024, Lucknow
7. Panel discussion on breast cancer management, SURGICON 2024, 16 November 2024, Delhi
8. Minimal Invasive endocrine neck surgeries, endoscopic, robotic and hybrid techniques, Resurge 2024 at PGIMER Chandigarh, 15 November 2024, Chandigarh
9. Panel discussion on Locally advanced breast cancer, EBSCON 2024, 6 December 2024, Chandigarh
10. Benign Breast disease, ABSI MIDCON UDAIPUR, 7 March 2025, Udaipur

Suhani

1. How to perform literature search? Protocol writing workshop, 13 April 2024, Delhi
2. Format of thesis writing, Thesis writing workshop, 20 April 2024, Delhi
3. Moderator: Breast cancer screening in India: current scenario & challenges ahead, AOGD Webinar, 25 May 2025, Delhi
4. Etiquettes and otiquettes, Orientation program for first semester surgery residents, 10 August 2024, Delhi
5. Body image issues for breast cancer patients: Is Oncoplastic breast surgery the right answer? ONCO UPDATE 2024, 28 September 2025, Delhi
6. Current concepts in Abdominal wall closure, MAMC Surgery update, 27 September 2025, Delhi
7. Judge: competitive paper session, 14thAIIMS Surgical Week & SELSICON 2024, 19 October 2025, Delhi
8. How to perform literature search? Protocol writing workshop, 26 October 2025, Delhi
9. Moderator panel discussion, Year in review: update in breast cancer, 1 March 2025, Delhi
10. Sentinel lymph node biopsy: Techniques, Year in review: update in breast cancer, 2 March2025, Delhi
11. Panelist: breast cancer case-based discussion, LHMC Surgery PG Clinical UPDATE, 27 March 2025, Delhi
12. Format of thesis writing, Thesis writing workshop, 29 March 2025, Delhi

Yashwant Singh Rathore

1. Negative pressure wound therapy-Principles and practices, WOUNDCON-2024, 23 November 2024, Aligarh, UP
2. Responsibilities of residents, Orientation programme for residents, 10 August 2024, Delhi
3. Responsibilities of residents, Orientation programme for residents, 31 January 2025, Delhi
4. Panel discussion on TEP/TAPP/IPOM/FUNDOPLICATION, IHSCON (Indian hernia Society) Ranchi- 2025, 13 February 2025, Ranchi, Jharkhand
5. How to write conclusion, Research orientation programme, 07 March 2025, Delhi

6. Consensus on Indian breast cancer screening guidelines, ABSI MIDCON, UDAIPUR, 2025, 8 March 2025, Udaipur, Rajasthan
7. Panel discussion on Banding/Laser for hemorrhoids/stapled hemorrhoidectomy, WORLDCON, 2025, 4 April 2025, Kochi, Keala

Om Prakash

1. Three decades of a single center experience in difficult laparoscopic cholecystectomy and bailout strategy, CME, UR, University of Rochester, 25 April 2024, USA
2. Vascular access for CKD, Max transplant, Surgicon, 23- 25 April 2024, Delhi
3. Cadaveric course - AV fistula / donor nephrectomy /kidney transplant Vascular access for CKD -, Max transplant, Surgicon, 23-25 August 2024, Delhi
4. Complications of laparoscopic inguinal hernia surgery, Rajasthan Association of Minimal Access Surgery(RAMAS), 28-29 September 2024, Jaipur, Rajasthan
5. Complications and their management in laparoscopic inguinal hernia repair, ASIRAJ, GMC-Pali, 19–20 October 2024, Rajasthan
6. Role of laparoscopy in emergency surgery -, RESURGE, PGIMER, 15-17 November 2024, Chandigarh
7. Complications of inguinal hernia surgery, FIAGES, SGH, 28-30 November 2024, Delhi
8. Live operative workshop: TAPP for inguinal hernia, 84th Annual conference of the association surgeon of India (ASICON), 11-14 December 2024, Agra, UP

Ankita Singh

1. Level I Oncoplasty- Breast Conservation Surgery: Video Presentation, CME in Endocrine Surgery, 06 April 2024, Delhi
2. How to choose a thesis topic and a guide? Thesis protocol writing workshop, 13 April 2024, Delhi
3. The Phases of Wound Healing, Pre conference Workshop on Wound care, 20 April 2024, Delhi
4. Open & Laparoscopic Instruments in Surgery, SCOPE Course 2024, 21 July 2024, Delhi
5. Demonstration of basic suturing and hands on robotic simulation, AIIMS Colo-Proctology Symposium, 24-27 April 2024, 25 April 2024, Delhi
6. Live demonstration and talk on Pilonidal sinus and Limberg flap technique, AIIMS Colo-Proctology Symposium, 24-27 April 2024, 26 April 2024, Delhi
7. Moderation of live operative session: Surgeries for treatment of Fistula, Hemorrhoid, pilonidal sinus, and rectal prolapse, AIIMS Colo-Proctology Symposium, 24-27 April 2024, 26 April 2024, Delhi
8. Complications of stoma: Prevention and management strategies, Creation and Care of Stoma, 27 July 2024, Delhi
9. Demonstration and talk on USG guided biopsy of breast lesions, Hands on workshop: USG guided biopsy of breast lesions, 30 July 2024, Delhi
10. Timeline during PG course in Department of Surgery, Orientation Workshop for New Surgery Residents, 10 August 2024, Delhi
11. Acute Appendicitis, NBE Online lecture series for DNB Surgery, 24 August 2024, Delhi (National)/ Online
12. Demonstration and talk on Ultrasound guided biopsy of breast lesions and marker placement, CME in Surgery, AIIMS, 2024, 1 September 2024, Delhi
13. Peptic Ulcer Bleed, MAMC Surgery Update 2024 (23-28 September 2024), 27 September 2024, Delhi
14. Graves Disease: Clinical Case presentation- Moderation, Endosurg 2024, 17th National Conference of SELSI (SELSICON 2024)- Post Graduate CME & Cadaveric Workshop & FCLS/MCLS Exam, 16 October 2024, Delhi
15. How to choose a thesis topic? Thesis protocol writing workshop, 26 October 2024, Delhi
16. How to Frame Results, Thesis writing workshop, 2 November 2024, Delhi
17. Simultaneous ventral hernia repair with bariatric surgery- Panelist, NBE, Journal Club session for DNB Surgery students, 7 November 2024, Delhi – National (Online)

18. Role of Compression therapy in varicose ulcers, WOUNDCON-2024, 23 November2024, Aligarh, UP
19. Timeline during PG course in Department of Surgery, Orientation Workshop for New Surgery Residents, 2 February 2025, Delhi
20. How to choose a thesis topic? Thesis protocol writing workshop, 15 March 2025, Delhi
21. Open Surgical Instruments, LHMC Surgery, PG Clinical Update, 6th Edition, 2025, 27 March 2025, Delhi

Sanjeet Kumar Rai

1. Food, Accommodation, ID card, Bank account, EHS- A Guide, Departmental orientation program, 10 August 2024, Delhi
2. Clinico-pathological conference: Cystic lesion of pancreas (Moderator), CME in Surgery-2024 & Annual Day", 1-5 September 2024, Delhi
3. Interesting Cases- Moderator Multiorgan Harvesting workshop, Indian Society of Transplant Surgeons – Inaugural Conference 2024, 7 & 8 September 2024, Delhi
4. Renal Transplant, BSc Nursing, 25 October 2024, Delhi
5. How to write introduction and material methods? Post graduate workshop on protocol writing, 26 October 2024, Delhi
6. Laparoscopic CBD Stone Management, RESURGE-2024, 16November 2024, Chandigarh
7. Live operative workshop (Telecast), 84th Annual Conference of the Association of Surgeon of India (ASICON 2024), Agra, 11 December 2024, Delhi
8. Antimicrobial Prophylaxis in Surgical Patients, HISI Delhi Chapter Meeting, 14 December 2024, Delhi
9. Journal Club Moderator, NBE- online class, 19 December 2024, Delhi
10. Food, Accommodation, ID card, Bank account, EHS- A Guide, Departmental orientation program, 8 February 2025, Delhi
11. How to write summary? Post graduate workshop on thesis writing, 29 March 2025, Delhi

Aditya Kumar

1. Gastric outlet obstruction due to Carcinoma Stomach: Case based discussion, CME in Surgery-2024 & Annual Day 2024, 3 September 2024, Delhi
2. Minimal access techniques for Ventral Hernia, XIVth National Conference of the Surgeons Society of Nepal & South Asian Surgical Care Society & CME in Minimal Access Surgery. 25 November 2024, Pokhara & Kathmandu, Nepal
3. Minimal invasive management of Rectal Prolapse, XIVth National Conference of the Surgeons Society of Nepal & South Asian Surgical Care Society & CME in Minimal Access Surgery. 25 November 2024, Pokhara & Kathmandu, Nepal
4. Current updates in management of divarication of rectii, XIVth National Conference of the Surgeons Society of Nepal & South Asian Surgical Care Society & CME in Minimal Access Surgery. 23 November2025, Pokhara & Kathmandu, Nepal
5. Panelist in Discussion on Grey Areas in Laparoscopic Cholecystectomy, AMASICON 2024, 16 August 2024, Hyderabad
6. Moderator – Lymphadenectomy in Gall Bladder Cancer, Association of Minimal Access Surgeons of India (AMASI) Webinar, 1 August 2024, Delhi
7. Laparoscopic CBD Exploration, ASI Delhi State Chapter, National SCOPE course 2024, 19 July 2024, Delhi
8. How to write a conclusion? Workshop on Thesis Writing, 29 March 2025, Delhi

Uttam Kumar Thakur

1. Peripheral Vascular Disease, CME in Surgery-2024 & Annual Day 2024, 3 September 2024, Delhi
2. Evaluation of Thyroid Nodule From a Surgeon's Perspective, RESURGE, PGI Surgical Colloquium, 15 November 2024, Chandigarh

3. Is the current ecosystem ready and robust to address the challenges and opportunities of OTC Drugs in India, Brainstorming on Ecosystem for Over the counter (OTC) Drugs, 17 December 2024, Delhi
4. Blood Components: Handling requisition & management, Orientation program for residents, 8 February 2025, Delhi
5. How to frame strength and drawbacks of a study? Workshop on Thesis protocol writing, 29 March 2025, Delhi

Devender Singh

1. Overview of residency, Orientation Workshop for New Surgery Residents, 2 February 2025, Delhi
2. Laparoscopic management of Morgagni hernia, SAGES USA, 13 March 2024, California, USA
3. BABA Endoscopic thyroidectomy, SAGES USA, 13 March 2024, California, USA
4. Complications of fistula in ano surgery, COMPLICON 2024, 18 May 2024, Nagpur
5. Why to do thesis, Thesis protocol workshop, 8 July 2024, Delhi
6. Overview of residency, Orientation Workshop for New Surgery Residents, 10 August 2024, Delhi
7. Acute appendicitis- Diagnosis and management, Nursing Lecture, 12 August 2024, Delhi
8. Newer trends in Robotic surgery, Empowering nursing excellence, 23 October 2024, Delhi
9. Debate: ERCP versus Surgical Management of CBD stone**,** SURGICON, 16 November 2024, Delhi
10. Management of CBD stone with Gall stone – Optimal Management, SAARC Surgical Meet, Nepal, 22 November 2024, Pokhra
11. Management of Difficult Gall Bladder**,** SAARC Surgical meet Nepal**,** 23 November 2024, Pokhra
12. Complications of laparoscopic surgery, SAARC Surgical meet Nepal, 24 November 2024, Pokhra
13. Laparoscopic ventral TAPP for primary umbilical hernia, Hernia Updated, 14 February 2025, Dehradun, Uttrakhand

Brijesh Kumar Singh

1. Triple Assessment in Breast diseases, CME an update on breast and cervix, 8 December 2024, U.P
2. IPC Practices in the Renal Transplant Unit, HISI Delhi Chapter meeting, 14 December 2024, Delhi

Sushant Soren

1. Guest Faculty Talk on Hepatic Cysts, Hepatobiliary Conference, (AMASI FMAS HPB), MAMC, 8 November 2024, Delhi
2. Lecture on Acute Pancreatitis, ISTAC Conference, 10 November 2024, Lucknow

Washim Firoz Khan

1. Care of Patients with Stoma, CME on Creation and care of stoma, 27 July 2024, Delhi
2. Ergonomics in laparoscopy, SASICME 2024 (ASI, WB Chapter), 17 November 2024, Kolkata

Arun Anand

1. Live demonstration of Milligan morgan open hemorrhoidectomy, AIIMS Coloproctology Symposium, 26 April 2024, Delhi
2. Interesting Cases-Moderator Multiorgan Harvesting workshop, Indian Society of Transplant Surgeons – Inaugural Conference 2024, 7 & 8 September 2024, Delhi
3. Demonstrated multi organ cadaver retrieval as moderator, Indian Society of Transplant Surgeons (ISTS), 7 & 8 September 2024, Delhi
4. How to write materials and methods, Post graduate workshop on protocol writing, 26 October 2024, Delhi
5. Live operative workshop (Telecast), 84th Annual Conference of the Association of Surgeon of India (ASICON 2024), Agra, 11 December 2024, Delhi
6. Excel in MS Excel, Post graduate workshop on thesis writing, 29 March 2025, Delhi
7. Session Chairperson- Surgical obstructive jaundice, Endosurg/ SELSICON 2024, 2 & 3 August 2024, Delhi

8. Live operative workshop and organizing secretary, IHSCON RANCHI – First ever, 13 & 14 February 2025, Delhi

Nelson T

1. Understanding the terms: thesis, protocol, dissertation, Protocol Writing Workshop, 14 April 2024, Delhi
2. Excel in MS Excel: data management system, Thesis Writing Workshop, 20 April 2024, Delhi
3. Lateral Internal Sphincterotomy, AIIMS Coloproctology Symposium, 26 April 2024, Delhi
4. Panelist for Hernia Update, ENDOSURG/SELSICON 2024, 17 October 2024, Delhi
5. Understanding the terms: thesis, protocol, dissertation, Protocol Writing Workshop, 22 October 2024, Delhi
6. Understanding the terms: thesis, protocol, dissertation, Protocol Writing Workshop, 13 March 2025, Delhi
7. Guest Lecture on Robotic Thyroid Surgery, 7th JIPMER Surgery Update, 30 March 2025, Puducherry

Aditya Baksi

1. Principles of creation of ileostomy and colostomy, CME on Creation and Care of Stoma, 27 July 2024, Delhi
2. Obstructive jaundice due to peri-ampullary carcinoma, CME in Surgery and Annual Day 2024, 03 September 2024, Delhi
3. Surgery in a jaundiced patient, Surgery Updates MAMC 2024, 25 October 2024, Delhi
4. TAPP, Endosurg and SELSICON 2024, 16 October 2024, Delhi
5. Right iliac fossa lump (Moderator), Endosurg and SELSICON 2024, 16 October 2024, Delhi
6. Laparoscopic CBD exploration, FIAGES Delhi 2024, 30 November 2024, Delhi
7. Teamwork for Optimal Outcomes: Sharing of Best Practices in APC (Moderator), 9th IFSO APC and 22nd OSSICON, 22 February 2025, Mumbai
8. Bariatric surgery and fertility: What you need to know before, during and after pregnancy, BariCare CME, 1 March 2025, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
154	183	201

List of oral papers/posters presented: 81

1. Arumugaswamy PR, Chumber S, Rathore YS, Maitra S, Bhattacharjee HK, Bansal VK, Aggarwal S, Dhar A, Asuri K, Kataria K, Ranjan P, Comparison of inflammatory markers in low-pressure pneumoperitoneum with deep neuromuscular block versus standard pressure pneumoperitoneum among patients undergoing laparoscopic cholecystectomy for gallstone disease: A randomized Control Trial, SAGES Meet, 2024, Cleveland, USA1
2. Arumugaswamy PR, Singh P, Kumar R, Aggarwal S, Impact of Bariatric Surgery on Urinary Incontinence in Obese Individuals: 5 year outcomes" at, London International Bariatric Surgery Symposium (LIBSS), 2024, London, UK
3. Arumugaswamy PR, Singh P, Kumar R, Aggarwal S, Impact of Bariatric Surgery on Urinary Incontinence in Obese Individuals: 5 year outcomes, IFSO, 2024, Melbourne, Australia1
4. Bajpai A, Prajapati OP, Jha MK, Singh D, Rai SK, Mishra A, Anand A, Bansal VK. Outcomes Following Difficult Laparoscopic Cholecystectomy – Experience of a Tertiary Care Centre From India, SAGES, 12-15 March, 2025, Long Beach, California, USA
5. Baksi A, Khan WF, Bhattacharjee HK, Aggarwal A, Laparoscopic management of large diaphragmatic hernia, AWR Deep Impact Surge 2025, 8 March 2025, Chennai 1
6. Baksi A, Laparoscopic management of gallstone ileus, World Congress of Endoscopic Surgery, 25 October 2024, Kolkata
7. Baksi A, Siddiq M, Sanjeet Rai, Prakash O, Bhattacharjee HK, Bansal VK, Outcomes of small umbilical hernia repair in a tertiary hospital, AWR Deep Impact Surge 2025, 7 March 2025, Chennai

8. Bansal VK, Alimohamed N, Prajapati O, Rai SK, Singh D, Anand A, A prospective comparative study to evaluate the restoration of abdominal wall dynamics in patients with incisional hernia following laparoscopic and open repair in a tertiary care centre, SAGES Annual Meeting 2025, 15 March 2025, Long beach, California, USA
9. Bansal VK, Prakash O, Krishna A, Kumar S, Sagar V, Mishra MC, An experience of giant incisional hernia repair over two decades at a tertiary care centre in India. IHSCON, 13-14 2025, February Ranchi, Jharkhand
10. Bhargav Chandra Nandury, Suhani, R Parshad, V Seenu, M Joshi, HK Bhattacharjee, R Kumar, S Mathur, R Rathore, M A Khan, Evaluation Of Indocyanine Green for Sentinel Lymph Node Biopsy in Breast Cancer, 14th AIIMS Surgical Week & SELSICON 2024, 18 September 2024, Delhi1
11. Bhattacharjee HK, Impact of 3D Endovision system on learning process of laparoscopic transabdominal pre-peritoneal (TAPP) repair of groin hernia, 32nd International European Association for Endoscopic Surgery (EAES) Congress, 11-14 June 2024, Maastricht, Netherland
12. Bhattacharjee HK, Minimally invasive transanal repair of recto-vaginal fistula: A novel technique, 32nd International (EAES) Congress, 11-14 June 2024, Maastricht, Netherland
13. Dhal J, PrajapatiO, Rai SK, Bansal VK Kumar S, Misra MC. Long-Term Outcomes Following Extra sphincteric Laparoscopic Abdominoperineal Resection: A Decade's Experience In Indian Setting, SAGES, 12-15 March, 2025, Long Beach, California
14. Dhar A, Kumar A, Kumar R, Voice analysis of patients for assessment of vocal cord function following endoscopic thyroidectomy - A randomized trial, ISW 2024 (world congress), 26 August 2024, Kuala Lumpur, Malaysia
15. Dhar A, Srivastava A, Kataria A, Major mammary duct excision with a safe technique-long term follow-up, ISW 2024 (world congress), 26 August 2024, Kuala Lumpur, Malaysia
16. Dholpuria S, Puri G, Damle N, Ranjan P, Rathore YS, Singh A, Chumber S, Rescue from jaw of death: timely management of hypercalcemic crisis, IAESCON 2024, 20 September 2024, Lucknow, UP
17. Garg R, Kataria K, Nelson T, Thakur UK, Dhar A, Comparison of Quality of Life and oncological outcomes of Skin Sparing Mastectomy versus Breast Conservative Surgery with Early Breast Cancer: A Randomized comparison with superiority hypothesis, 43rd Congress of the European Society of Surgical Oncology, 2 October 2024, Belgium
18. Hari K Rathee, Abhijith K Anil, Suhani, Mohit Joshi, H.K. Bhattacharjee, MA Khan, AK Jaryal, Rajinder Parshad, Comprehensive Assessment of Musculoskeletal Workload in Surgeons During modified Radical Mastectomy, ABSICON 2024, 3 August 2024, Lucknow
19. Hari K Rathee, Abhijith K Anil, Suhani, Mohit Joshi, HK Bhattacharjee, MA Khan, AK Jaryal, Rajinder Parshad, Comprehensive assessment of musculoskeletal workload in surgeons during open thyroidectomy and modified radical mastectomy, Society of Surgical Ergonomics 3rd Annual Research Symposium, 1 November 2024, Virtual
20. Jaiswal R, Joshi M, Suhani, Kumar A, Parshad R, Outcomes of surgery for pulmonary mucormycosis: Experience at AIIMS, IACTS 2024, 30 September 2024, Jammu2
21. Jaiswal R, Joshi M, Suhani, Kumar A, Parshad R, Surgical outcomes of Pulmonary Mucormycosis: Updated data, Symposium on Chest wall surgery - 2025, 23 March 2025, Delhi1
22. Jha MK, Sagar R V, Prakash O, Singh D, Rai SK, Bajpai A, Anand A, Bansal VK, Our Experience in Laparoscopic Management of Patients with Remnant Gall bladder, SAGES, March 12-15, 2025, Long Beach, California
23. Joshi MK, Parshad R, Pulmonary mucormycosis eroding the chest wall, 24th Annual Congress of the Chest Wall International Group and Phoenix Advanced Pectus course, 23-25 September 2024, Arizona, USA
24. Kaur H, Ayush A, Prajapati Om, Singh D, Seenu V, Bansal VK. A case based narrative tale of disclosing research germline results posthumously: Is it a duty to warn or a discretionary right? IAMG, 5-8 December 2024. Ahmedabad
25. Kaur H, Madhu G, Chawdhary MR, Pol MM, Ranjan P, Chumber S, Prajapati, Om, Bansal VK, Kataria K, Dhar A. MEN2A: Unveiling the lowest hanging fruit in cancer genetic diagnosis-A case series, ICGCW, 20-23 February 2025, Mumbai
26. Khan WF, Chekuri R, Singla V, Aggarwal S, Diagnostic utility of Enhanced Liver Fibrosis (ELF) to predict presence and severity of Advanced Liver Fibrosis in patients with morbid obesity undergoing Bariatric Surgery, WCES and IAGES 2024, 25 October 2024, Kolkata

27. Khan WF, Rath B, Chekuri R, Baksi A, Singla V, Gagal S, Bhattacharjee HK, Aggarwal S, Diagnostic utility of non-invasive test elf for detecting liver Fibrosis in correlation with liver biopsy in morbidly obese patients Undergoing bariatric surgery, SAGES Annual Meeting 2025, 12-15 March 2024, Long Beach, CA, USA

28. Krishna A, Seenu V, Soren S, Transabdominal retro-rectus mesh repair for ventral hernia: early experience-, SAGES 2024, Cleveland

29. Kumar A, Krishna A, Seenu V, Soren S, Laparoscopic Radical Cholecystectomy for Carcinoma Gall Bladder: Our Early Experience, SAGES 2025, 12–15 March 2025, Long Beach, California, USA

30. Kumar A, Krishna A, Seenu V, Soren S, Singh BK, Early Experiences of Lap-Assisted Whipple's Pancreaticoduodenectomy, SAGES 2025, 12–15 March 2025, Long Beach, California, USA

31. Kumar A, Parshad R, Laparoscopic extended cholecystectomy for carcinoma gall bladder, SAGES 2025 Annual Meeting, 13 March 2025, Long Beach, California, USA

32. Kumbhawat D, Kataria K, Nelson T, Thakur UK, Dhar A, Mixed mystery of MTC with PTC in a case of MEN2A- a rare case, EBSCON 2024, 6 December 2024, Chandigarh, India

33. Kushwaha A, Singh A, Singh D, Rathore YS, Ranjan P, Chumber S, Intra-cholecystic Papillary Neoplasm: A Rare Differential of Carcinoma Gallbladder, SURGICON 2024, 16 November 2024, Delhi

34. Marutipol M, Midline Vs. Triangular Port Placement In Total Extra Peritoneal Mesh Repair In Uncomplicated Inguinal Hernia: A Randomised Control Trial, Annual Conference of the Delhi State Chapter of the Association of Surgeons of India (SURGICON 2024). 15-17 November 2024, Delhi 2

35. Marutipol M, Minimal Incision Versus Conventional Hockey Stick Incision Kidney Transplant Surgery. A Randomised Controlled Trial, Indian Society of Organ Transplant [ISOT] - 2024, 17- 20 October2024, Ahmedabad

36. Marutipol M, The Effect Of Modified Versus Conventional ERAS On Clinical And Graft Outcomes In Kidney Transplant Recipients: A Randomised Controlled Trial, Indian Society of Organ Transplant [ISOT] - 2024, 17-20 October2024, Ahmedabad 2

37. Meena P, Puri G, Joseph C, Sharma K, Ranjan P, Damle N, Das CJ, Rathore YS, Chumber S, Omnipresent glandule: Saga of ectopic parathyroid adenomas, IAESCON 2024, 20 September 2024, Lucknow, UP

38. Meena P, Puri G, Ranjan P, Damle N, Rathore YS, Chumber S, Unmasking recurrence: Auto transplant site hyperparathyroidism, IAESCON 2024, 20 September 2024, Lucknow, UP

39. Mohamed NA, Bansal VK, Krishna A, Bhatia R, Prakash O, Rai SK, Anand A, A Prospective Comparative Study to Evaluate the Restoration of Abdominal Wall Dynamics in Patients with Incisional Hernia Following Laparoscopic and Open Repair in a Tertiary Care Centre, SAGES, 12-15 March, 2025, Long Beach, California

40. Monga S, Kumar A, Suhani, Joshi M, Parshad R, Unravelling the Enigma: Robotic Solutions for Dunbar Syndrome, Monthly meeting, ASI Delhi State Chapter, 15 February 2025, Delhi

41. Motiwala M, Kumar A, Parshad R, SCOLA for Divarication of Rectii with concomitant umbiical hernia. HSICON 2024, 26 September 2024, Indore

42. Mukherjee R, Malik A, Krishna A, Singh BK, Soren S, Seenu V. Incidence of Postoperative and Long-Term Hypocalcemia After Indocyanine Green Fluorescence Guided V/S Conventional Assessment of Parathyroid Function Following Total Thyroidectomy -A Randomized Controlled Trial, IAESCON2024, 19-21September Lucknow

43. Nagpal A, Puri G, Singh B, Ranjan P, Damle N, Khadgawat R, Singh A Chumber S, Inter– modality variation of localization studies of giant parathyroid adenoma, IAESCON 2024, 20 September 2024, Lucknow, UP

44. Nelson T, Kataria K, Thakur UK, Dhar A, Reeta M, A typical Mayer-Rokitansky-Kuster-Hauser Syndrome with Bilateral Inguinal Hernia of adnexa– Laparascopic Transabdominal Preperitoneal Repair, HSICON 2024 (1st Prize), 28 September 2024, Indore, Madhya Pradesh

45. Parshad R, Kumar A, Mittal S, Mid-term outcomes in achalasia cardia: Heller's myotomy with angle of His accentuation vs with Toupet's fundoplication, SAGES 2025 Annual Meeting, 15 March 2025, Long Beach, California, USA

46. Prajapati O, Dhal J, Rai SK, Anand A Bansal VK, Two-Year Outcomes Following Laparoscopic Radical Cholecystectomy for Carcinoma Gallbladder, SAGES 2025 Annual Meeting, 15 March 2025, Long Beach, California, USA

47. Prajapati O, Rai SK, Dhal J, Krishna A, Kumar S, Mishra MC, Bansal VK. Long-Term Outcomes Following Totally Extraperitoneal (TEP) Versus Transabdominal Preperitoneal (TAPP) Repair in Large Inguinoscrotal Hernias: An Experience of Over Two Decades, SAGES, 12-15 March 2025, Long Beach, California

48. Prajapati Om, Rai SK, Singh D, Ranoliya N, Kumar S, Bansal VK, An Experience Of Giant Incisional Hernia Repair Over A Decades At A Tertiary Care Centre In India, SAGES 2024, 17th-20thApril 2024, Cleveland

49. Prajapati Om, Rai SK, Singh D, Ranoliya N, Kumar Subodh, Bansal VK. Laparoscopic Internal Drainage of Collection Post Pancreatitis: Experience of a Tertiary Care Centre in India, SAGES 2024, 17-20 April 2024, Cleveland

50. Pritee Trivedee, V. K. Bansal, Om Prakash, Khan WF, Subodh Kumar, M. C. Misra. An Experience Of Over 2200 Cases Of Laparoscopic Groin Hernia Surgery At A Tertiary Care Centre, IHSCON, 2025, 13-14 February Ranchi, Jharkhand

51. Radhakrishnan L, Singh BK, Seenu V, Damle NA, Deva Senapathy K. The expanded spectrum of MEN1: Bronchothymic and Pancreatic Neuroendocrine tumours with Primary Hyperparathyroidism, IAESCON2024, 19-21 September Lucknow

52. Rai SK, Prakash O, Dhal J, Kumar S, Asuri K, Misra MC, Bansal VK, Outcomes Following Totally Extraperitoneal Versus Transabdominal Preperitoneal Repair in Large Inguinoscrotal Hernias: An Experience of over Two Decades, SAGES Annual Meeting 2025, 15 March 2025, Long beach, California, USA

53. Rai SK, Prakash O, Kumar S, Asuri K, Misra MC, Bansal VK, Our Experience in Laparoscopic Management of Patients with Remnant Gall bladder, SAGES Annual Meeting 2025, 15 March 2025, Long beach, California, USA

54. Rai SK, Prakash, OJaryal A, Wadhwa S, Krishna A, Pandey S, Bansak VK. Questionnaire Based Survey of Musculoskeletal Dysfunction among General Surgeons of India, SAGES, 12-15 March 2025, Long Beach, California

55. Ranwa N, Puri G, Ranjan P, Damle N, Rathore YS, Chumber S, Singh A, Fine needle aspiration washout parathyroid essay: a newer modality? for localization in challenging cases of PHPT. IAESCON 2024, 20 September 2024, Lucknow, UP

56. Ranwa N, Puri G, Singh B, Ranjan P, Rathore YS, Chumber S, Singh A, Agarwal S, Dixit S, Tubercular thyroiditis: a histopathological surprise, IAESCON 2024, 20 September 2024, Lucknow, UP

57. Rathore YS, Chandra R, Chumber S, Sharma J, Soni G, Correlation of pre and post-surgical findings with clinical course in patients undergoing early lap cholecystectomy for asymptomatic gallstone disease: A prospective study, EAES- 2024, 11 June 2024, MECC, Maastricht, Netherlands

58. Rathore YS, Chumber S, Soni G, Complete laparoscopic excision of a dumbbell-shaped rare cystic lesion of the greater sciatic foramen. EAES- 2024, 14 June 2024, MECC, Maastricht, Netherlands

59. Rathore YS, Dhingoria A, Prakash T, Chumber S, Fast Track Emergency Laparoscopic Cholecystectomy (FTELC) v/s Delayed Laparoscopic Cholecystectomy (DLC) In Index cases of Acute Calculus Cholecystitis presenting to the Emergency Department- A Randomized Controlled Trial, EAES- 2024, 12 June 2024, MECC, Maastricht, Netherlands

60. Rathore YS, Sood A, Sharma J, Endobronchial fluoroscopy guided management of persistent air leak post VATS assisted deroofing of pleural hydadid cyst, Symposium on chest wall surgery-2025, 22 March 2025, Delhi3

61. Saha T, Joshi M, Parshad R, Lobectomy in hybrid lesion: A video presentation, Symposium on Chest wall surgery - 2025, 23 March 2025, Delhi

62. Sahu RS, Puri G, Ranjan P, Chumber S, RS Rathore, Singh A, Singh BK, Silent discoveries: Incidental thyroid carcinoma in thyroidectomy done for benign indications, IAESCON 2024, 20 September 2024, Lucknow, UP

63. Sethi MK, Khan WF, Baksi A, Bhattacharjee HK, Pol, MM, Kumar A, Aggarwal S, Laparoscopic subtotal cholecystectomy as a safe bailout procedure: 3 years experience in a tertiary teaching institute, SAGES Annual Meeting 2025, 12-15 March 2024, Long Beach, CA, USA

64. Siddhant K, Kataria K, Nelson T, Thakur UK, Dhar A, Comparison of functional outcomes of breast conserving therapy versus mastectomy, ABSI MIDCON UDAIPUR, 7th March 2025, Udaipur, India

65. Siddhant K, Kataria K, Nelson T, Thakur UK, Dhar A, Metabolic Mysteries- Decoding the puzzle of hypoglycemia, EBSCON 2024, 6 December 2024, Chandigarh, India

66. Sing AP, Singh BK, Soren S, Krishna A, Seenu V, Pandey S, Pramanik B. Surgical Outcome of Giant Goitres, IAESCON2024, 19-21 September Lucknow

67. Singh D, Singh A, Rathore YS. Ranjan P, Chumber S, Laparoscopic ventral TAPP for primary umbilical hernia, SAGES USA, 12 March 2025, California USA

68. Singh D, Singh A, Rathore YS. Ranjan P, Chumber S, Laparostoma Boon or Bane in Surgical practice, SAGES USA, 12 March 2025, California USA

69. Singh S, Suhani, Joshi M, Batra A, Haresh KP, Parshad R, Genetic testing in breast cancer- our experience, Year in review: updates in breast cancer, 1 March 2025, Delhi1

70. Soni G, Rathore YS, Chumber S, Sharma J, To study the outcomes in patient with cholelithiasis following subtotal cholecystectomy, ASICON Agra 2024, 13 December 2024, Agra, UP

71. Sood A, Puri G, Ranjan P, Joshi M, Aggarwal A, Das CJ, Aggarwal S, Damle NS, Singh A, Singh D, Singh BK, Rathore YS, Pandey S, Chumber S, Evaluation of Newer Diagnostic Modalities in Indeterminate Thyroid Nodules, IAESCON 2024, 20 September 2024, Lucknow, UP2

72. Sood A, Puri G, Ranjan P, Kataria K, Gupta Y, Singh A, Damle N, Chumber S, A Deceptive Endocrine Tumor: A Case Report, IAESCON 2024, 20 September 2024, Lucknow, UP2

73. Sood A, Puri G, Ranjan P, Singh A, Singh D, Rathore YS, Hari S, Chumber S, A Stitch in Time Saves Nine: The Value of Annual Screening Mammography after Treatment of Carcinoma Breast, SURGICON, 16 November 2024, Delhi1

74. Sood A, Singh D, Comparison of Outcomes of Antral Preservation vs Antral Resection Laparoscopic Sleeve Gastrectomy for Morbidly Obese: A Randomized Controlled Trial, SELSI ENDOSURG Conference, AIIMS Delhi 2024, 2024, Delhi1

75. Sood A, Soni G, Singh D, Rathore YS, Ranjan P, Singh A, Choudhary N, Chumber S, Comparison of Outcomes of Antral Preservation vs Antral Resection Laparoscopic Sleeve Gastrectomy for Morbidly Obese: A Randomized Controlled Trial, SURGICON, 16 November 2024, Delhi1

76. Soren S, Kumar A, Krishna A, Seenu V, Singh BK, Comparative Evaluation of TAPP, ETEP, and TEP Techniques for Inguinal Hernia Repair: A Focus on Surgical Outcomes, SAGES 2025, 12–15 March 2025, Long Beach, California, USA

77. Suhani, Nandury BC, Parshad R, Seenu V, Joshi, HK Bhattacharjee, M Kumar R, Mathur S, Rathore R, Khan MA, Evaluation Of Indocyanine Green for Sentinel Lymph Node Biopsy in Breast Cancer: Two Arm Open Label Parallel Design Non-Inferiority Randomized Control Trial, ASICON 2025, 13 December 2024, Agra

78. Bansal Virinder Kumar, Om Prakash, Bajpai Ankita, Krishna Asuri, Kumar Subodh, Jain Mayank, Mahesh Chandra Mishra, Large Scrotal Hernias: TEP or TAPP? IHSCON, 2025, February 13th-14th, Ranchi, Jharkhand

79. Virwadia Y, Kataria K, Nelson T, Thakur UK, Dhar A, A Randomized controlled trial to compare efficacy of complete decongestive therapy (CDT) vs CDT and placement of hydrophobic silicone tube in breast cancer related lymphedema, ABSI MIDCON UDAIPUR, 7th March 2025, Udaipur, India

80. Virwadia Y, Kataria K, Nelson T, Thakur UK, Dhar A, Comparison of outcome in terms of IL-6 and other inflammatory markers in trans-vestibular and axillo-breast approach for Endoscopic thyroidectomy, EBSCON 2024, 6 December 2024, Chandigarh, India

81. Yashwant R, Anita Dhar, R Kumar, A Kumar K Kataria. "Comparison of outcomes and inflammatory markers of trans oral vestibular and bilateral axillo breast approach in endoscopic hemithyroidectomy: A Randomized Controlled Trial", EBSCON 2024 Endocrine, 6 October 2024, Chandigarh, India

[1] Best poster award

[2] Best poster award

[3] Third position for poster

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
103	83	81

RESEARCH

Funded

Ongoing

1. A prospective pilot study comparing fibrotic mediators in adipose tissue as predictors of metabolic malleability in good vs poor responders of bariatric surgery, Dr Aditya Baksi, AIIMS (Intramural Collaborative Research), 2, 2025, 2027, Rs 10 lakhs
2. An observational study to evaluate the role of impaired NAD+ biosynthesis in calf skeletal muscle dysfunction in people with peripheral arterial disease, Prof Anita Dhar, ICMR, 4 Years, 2022-2026, Rs 40 lakhs
3. Characterization of Breast Microbiota in patients with Granulomatous Mastitis (AIIMS-THSTI collaborative project), Dr. Kamal Kataria, Research Section, AIIMS and THSTI Faridabad, 2 Years, 2023, 2025, Rs 20 lakhs
4. Characterization of circulating immunological markers in patients with Non lactational mastitis – a cross sectional study, Dr. Nelson T, AIIMS (Intramural), 2 Years, 2023-2025, Rs 10 lakhs
5. Comparison between intravenous indocyanine green Vs intra gall bladder intravenous indocyanine_ green vs no intravenous indocyanine green in Nassar grade IIIV laparoscopic cholecystectomy with respect to attaining critical view of safety in laparoscopic cholecystectomy: A Randomized Controlled Trial, Dr. Sushant Soren, AIIMS(Intramural), 2 Years, 2024-2026, Rs 20 lakhs
6. Development of Autofluorescence based imaging system for intraoperative detection of parathyroid gland during thyroid and Parathyroid Surgeries, Dr. Kamal Kataria, ICMR, 3 Years, 2025-2028, Rs 55 lakhs
7. Development of TIRF based microscopic system with smartphone camera as a detector for autofluorescence dependent intraoperative identification of parathyroid tissue, Dr. Kamal Kataria, AIIMS-IIT Collaborative project, 3 Years, 2023-2026, Rs 20 Lakhs
8. Efficacy and safety of cagrilintide s.c. 2.4 mg in combination with semaglutide s.c. 2.4 mg (CagriSema s.c. 2.4 mg/2.4 mg) once-weekly in participants with overweight or obesity (REDEFINE 1), Dr. Aditya Baksi, Novo Nordisk, >3 Years, 2023-2026, Rs 8 Lakhs
9. Evaluation of adaptability of anindigenously developed low-cost light weight polycentric polymeric knee joint (PPKJ) and its effect on quality of life and rehabilitation on post traumatic transfemoral amputees. Dr. Mohit Joshi, AIIMS (Intramural), 2 Years, 2023-2025, Rs 10 Lakhs
10. Evaluation of pathological reflux in patients undergoing Dor's fundoplication versus Angle of His' accentuation as an anti-reflux procedure in addition to laparoscopic Heller's cardiomyotomy in achalasia cardia. Dr Aditya Kumar, AIIMS (Intramural), 2 Years, 2023-2025, Rs 3.70 Lakhs
11. Implementation Research to Accelerate Screening, Early Diagnosis and Initiation of Treatment for Oral, Breast, and Cervical Cancer in selected districts of India, Dr. Asuri Krishna, ICMR, 4 Years, 2024-2027, Rs 300 Lakhs
12. Long Term Outcome of Patients with Walled off Necrosis/Pseudocyst of Pancreas in terms of Recurrence of Acute Pancreatitis, Fluid Collection and Functional Consequences following Internal Drainage by Laparoscopic or Endoscopic method, Dr Om Prakash, AIIMS, 5 Years, 2019-2024, Rs 10 Lakhs
13. Multi-model fluorescence and Raman spectroscopy based molecular point-of-care test for the detection of novel coronavirus (COVID-19). (In collaboration with IITD), Dr Piyush Ranjan, Intramural, 2 Years, 2021-2024, Rs 8 Lakhs
14. Prevalence of BRCA1/2 germ line mutation in young Indian Women with triple negative breast cancer, Dr Om Prakash, AIIMS, 4 Years, 2022-2025, Rs 10 Lakhs
15. RCT- preoperative embolization vs ligation in continuity of splenic artery during laparoscopic splenectomy, Dr Yashwant Rathore, ICMR, New Delhi, 3 Years, February 2024, Continue, Rs 45 Lakhs
16. RNA-seq based case-control study to identify alternatively spliced events in colorectal adenocarcinoma-Bioinformatics and genomics based study [2021-12417], Manjunath Maruti Pol, ICMR- Extra-mural funds, 2 Years, 2023-2025, Rs 88,01,820
17. Role of Matrix Metalloproteases and their inhibitors in the pathogenesis of abdominal wall hernias – A prospective case control study, Dr Devender Singh, AIIMS (Intramural), 2 Years, 2024-2026, Rs 10 Lakhs
18. Role of Targeted Axillary Clearance in Estimating Residual Axillary Disease after Neoadjuvant Chemotherapy in Breast Cancer Patients with cT1-3 N1 M0 Disease: A Prospective, Dr. Brijesh Kumar Singh, AIIMS (Intramural), 2 Years, 2024-2026, Rs 10 Lakhs

19. Study of heavy metals and trace elements (Arsenic, cadmium, chromium, and nickel, selenium, zinc, copper, lead, mercury, lead, cobalt) in gall bladder cancer and cholelithiasis patients. Dr. Kamal Kataria, Research Section, AIIMS, 2 Years, 2023-2025 (June), Rs 10 Lakhs
20. To study the epidemiology of drowning, address the need, developing IEC material and imparting the related training to at-risk school students of schools in the vicinity of the Yamuna River at Delhi- Prospective, non-randomized, interventional study.", Dr Piyush Ranjan, ICMR, 3 Years, 2024-2027, Rs 74 Lakhs
21. USG guided Vacuum Assisted Excision of Intraductal papilloma- a feasibility study in Indian setting- Randomized control trial. Dr Ankita Singh, AIIMS (Intramural), 2 Years, 2024-2027, Rs 10 Lakhs
22. Utility of the ELF test (Enhanced Liver Fibrosis panel) for preoperative detection of extent of liver fibrosis in morbidly obese patients undergoing bariatric surgery. Dr Washim Firoz Khan, AIIMS (Intramural), 2 Years, 2024-2026, Rs 10 lakhs
23. VR assisted 3D endoscope for minimal access (laparoscopic) surgery, Hemanga K Bhattacharjee, AIIMS-IIT Delhi, 2 Years, 2024-2026, Rs 10 Lakhs

Completed

1. Clinical significance of Proteomics in liquid biopsy for Indian breast cancer women: An Exploratory study, Suhani, AIIMS Collaborative project, 2 Years, 2021-2023, Rs 10 Lakhs
2. Study of heavy metals and trace elements (Arsenic, cadmium, chromium, and nickel, selenium, zinc, copper, lead, mercury, lead, cobalt) in gall bladder cancer and cholelithiasis patients, Kamal Kataria, Intramural Project (AIIMS Delhi), 2 Years, 2022-2024, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A multicentric randomized controlled trial to compare the efficacy of "Ksharsutra" therapy vs conventional surgical treatment in clinical outcomes of patients with fistula-in-ano
2. A pilot study on feasibility of core needle biopsy in thyroid nodule of indeterminate cytology
3. A pilot study to compare autofluorescence based detection of parathyroid gland by probe-based fluorescence spectroscopic method with indocyanine green guided intraoperative identification of parathyroid glands
4. A Prospective Observational Study on Sensory Changes: Analyzing Paresthesia/Hypoesthesia in the Neck & Anterior Chest Following Endoscopic Thyroidectomy via Axillo-Breast & Bilateral Axillo-Breast
5. A Prospective Observational Study to assess the accuracy of preoperative and post-operative transcutaneous laryngeal ultrasonography (TLUSG) in evaluating the vocal cord mobility in patients undergoing thyroid surgeries
6. A prospective randomized controlled study to compare intraperitoneal onlay mesh repair vs transabdominal pre peritoneal mesh plus repair for patients with primary ventral hernia
7. A Prospective Randomized Controlled Study to Compare Standard Surgical Treatment plus specialized negative pressure dressing with Minimal Invasive Treatment plus specialized negative pressure dressing for Pilonidal Sinus Disease in Indian Population
8. A prospective RCT to compare outcomes in terms of pain in patient undergoing IPOM for ventral hernia repair in low pressure vs standard pressure pneumoperitoneum.
9. A prospective study to develop deep learning model to assist young surgeons to perform safe TAPP repair
10. A Randomised Controlled Trial To Compare Early vs Delayed Laparoscopic Cholecystectomy In Patients With Moderately Severe Or Severe Acute Biliary Pancreatitis In Terms Of Interim Major Pancreatico- Biliary Events And Major Surgical Outcomes
11. A Randomized control trial to study the outcome of addition of Lymphatico-venous anastomosis to standard of care for prevention of upper extremity Lymphedema in patients undergoing Axillary Lymph node dissection for Carcinoma Breast as compared to standard of care only.
12. A Randomized Controlled Clinical Trial on The Effect Of "Ksharsura treatment"(Ayurvedic Medical Seton) Vs Conventional Surgical Treatment in Clinical Outcomes of Patients with Fistula-In-Ano
13. A randomized controlled trail to compare patient satisfaction, cosmesis, quality of life, safety and feasibility of endoscopic parathyroidectomy by ipsilateral axillo-breast approach vs open focused parathyroidectomy in patients with primary hyperparathyroidism due to a single gland disease

14. A randomized controlled trial to assess the efficacy of Video-Assisted Anal Fistula Treatment versus Ksharsutra insertion in the management of low anal fistula
15. A randomized controlled trial to compare patient satisfaction, cosmesis, quality of life, safety and feasibility of Endoscopic Parathyroidectomy by Ipsilateral Axillo-Breast approach versus open focused Parathyroidectomy in patients with primary hyperparathyroidism due to a single gland disease
16. A randomized controlled trial to compare the quality of life between axillo-breast approach and bilateral axillo-breast approach for endoscopic thyroidectomy in patients with benign thyroid swellings
17. A Randomized Trial to Visualize Extrahepatic Biliary Structures with or without Indocyanine green in patients undergoing Difficult Laparoscopic Cholecystectomy- Dr Rohit
18. A randomized trial to visualize extrahepatic biliary structures with or without indocyanine green in patients undergoing difficult laparoscopic cholecystectomy
19. A RCT to visualize extrahepatic biliary structures with or without indocyanine green in patients undergoing difficult laparoscopic chylecystectomy.
20. Accuracy of autofluorescence in Parathyroid gland adenoma – A diagnostic study.
21. Algorithmic management of granulomatous mastitis: prospective quasi-interventional study design.
22. An ambispective observational study comparing long term outcomes in patients undergoing laparoscopic vs EUS guided drainage of walled off necrosis/pseudocyst of pancreas following acute pancreatitis
23. An ambispective observational study to assess and evaluate outcomes of various treatment modalities of arteriovenous malformation
24. An open label randomized control trial to compare the outcomes with and without preoperative splenic artery embolization (SAE) in patients with moderate splenomegaly undergoing elective laparoscopic splenectomy
25. Appendectomy in distal ulcerative colitis: Prospective international study
26. Appendicitis Global Outcomes Study: Identifying areas for whole systems strengthening in emergency care-A global prospective cohort study on outcomes of appendicectomy for appendicitis
27. Assessment of Muscle activity and fatigue in Surgeons during Laparoscopic surgery using Surface EMG
28. Assessment of risk factors and outcomes in patients following cardiopulmonary resuscitation in the surgical ICU v/s trauma ICU
29. Benefits of Ksharsutra in patients undergoing Ksharsutra placement in fistulizing Crohn's Disease: A Prospective Cohort Study
30. Characterization of breast microbiota and immune repertoire in patients with tubercular mastitis
31. Clinical, biochemical and imaging outcomes following difficult laparoscopic cholecystectomy: An ambispective study.
32. Clinical, radiological and pathological profile of benign breast diseases in a tertiary care hospital: An Observational study.
33. Closed or Open Abdomen in the Surgical Management of Severe peritonitis- A randomized controlled trial.
34. Comparative analysis of early post operative outcome of laparoscopic assisted Whipple's pancreaticoduodenecto my versus open pancreaticoduodenectomy
35. Comparative analysis of Early Postoperative outcome of Lap Assisted Whipple's Pancreaticoduodenectomy vs Open Pancreaticoduodenectomy
36. Comparative analysis of early post-operative outcomes between laparoscopic-assisted PD and Open PD – A pilot study
37. Comparison between intravenous indocyanine green Vs intra gall bladder intravenous indocyanine green vs no intravenousindocyanine green in Nassar grade III/IV laparoscopic cholecystectomy with respect to attaining critical view of safety in laparoscopic cholecystectomy: A Randomized Controlled Trial
38. Comparison of 3D-CT volumetry and routine spirometry for prediction of post operative pulmonary function in the lung diseases -Prospective observational cohort study
39. Comparison of clinical outcomes in Laparoscopic versus Robotic Adrenalectomy for benign and malignant adrenal diseases: A randomized controlled trial.

40. Comparison of early outcomes of interrupted double 'X' suture versus continuous far near -near far method for closure of abdominal wall incisions: A double blinded randomised control trial
41. Comparison of effect of preoperative health education using video based multimedia versus animation versus traditional verbal communication on perioperative anxiety and postoperative pain in patients undergoing laparoscopic cholecystectomy
42. Comparison of efficacy of 18F FDG PET/CT and 68Ga-FAPI-46 PET/CT in diagnosis and staging of gastric cancer.
43. Comparison of Post operative pain in low pressure pneumoperitoneum with deep neuromuscular block versus standard pressure pneumoperitoneum among patients undergoing laparoscopic intraperitoneal onlay mesh (IPOM) plus repair for midline ventral hernia
44. Comparison of quality of life in modified RABIT versus endoscopic BABA for benign and malignant thyroid diseases: A randomized controlled trial.
45. Comparison of short-term outcomes in ABO incompatible and ABO compatible live related renal allograft transplant – Anambispective study at tertiary care centre
46. Comparison of Stapler Haemmoroidopexy Versus Superior rectal artery Embolisation in Patients with Grade II-IV Haemorroidal disease: A Randomized controlled trial
47. Comparison of TEP vs eTEP technique for groin hernia repair in terms of postoperative outcomes and learning curve : A Randomized trial
48. Development of Low-Cost Dual-Mode Technology for Breast Cancer Diagnosis and Treatment Monitoring with Deep Learning based Hyperthermia
49. Development of predictive nomogram for assessing pathological complete response after neoadjuvant chemotherapy in treatment naïve non metastatic breast cancer patients: An ambispective study.
50. Development of predictive nomogram for assessing pathological complete response after neoadjuvant chemotherapy in treatment-naïve non-metastatic breast cancer patients: An ambispective study
51. Difficult cholecystectomies: evaluating short and long term outcomes.
52. Early and long term outcomes of colorectal surgery- ambispective study.
53. *Early Versus Delayed Laparoscopic Cholecystectomy in Moderate and Severe Acute Biliary Pancreatitis – A Randomised Controlled Trial*
54. Early vs delayed laparoscopic cholecystectomy in moderate and severe acute biliary pancreatitis: A randomised controlled trial (ELCAP trial)
55. Effect of intraoperative microbreaks on surgeon's physical, mental and visual strain in elective laparoscopic surgeries: a pilot randomised control trial
56. Effect of intra-operative topical Talc versus Povidone Iodine for the prevention of post-operative seroma following breast and axillary surgery: A RCT
57. Effect of intra-operative topical talc versus povidone iodine for the prevention of post-operative seroma following breast and axillary surgery: a randomized controlled trial.
58. Effects of hemithyroidectomy on residual thyroid gland for benign conditions.
59. Efficacy and successful conversion surgery for locally advanced gall bladder cancer following modified FOLFIRINOX Chemotherapy
60. Ergonomic evaluation of closed console robotic system (da vinci ras) with open console robotic system (hugo ras) in simulated surgical task in an ex-vivo cross over randomized control trial
61. Evaluating wrist movements in robotic surgery: an observational study of surgeon ergonomics and performance
62. Evaluation of CEUS vs MIBI in localization of PHPT
63. Evaluation of changes in sex hormones and gonadotrophin levels in patient with cyclical mastalgia- A prospective observational study.
64. *Evaluation of Indocyanine Green for Sentinel Lymph Node Biopsy in Breast Cancer: Two-Arm Open Label Parallel Design Non-Inferiority Randomised Control Trial*
65. Evaluation of Newer Diagnostic Modalities in Indeterminate Thyroid Nodules

66. *Evaluation of the Effect of Prior Exposure to Laparoscopic Surgery on Acquisition of Robotic Surgical Skills in a Simulated Environment*
67. Evaluation of the effect of prior exposure to laparoscopic surgery on acquisition of robotic surgical skills in a simulated environment.
68. Factors influencing decision of Indian males of reproductive age group towards No Scalpel Vasectomy (NSV): A cross sectional, Observational Study
69. Functional outcome of pancreas after whipples surgery in terms of pancreatic exocrine insufficiency and delayed gastric emptying.
70. Functional outcome of patients undergoing thoracic surgery for pulmonary and pleural diseases: a prospective cohort study
71. Impact of Indocyanine Green Fluorescence on Surgical Precision in Difficult Cholecystectomy: A randomized trial
72. *Impact of Kshar Sutra Placement in Fistulizing Crohn's Disease: A Prospective Cohort Study*
73. Impact of microbreaks on visual, physical and mental strain during simulated robotic surgical tasks- a randomized control trial
74. Incidence and Clinico-microbiological profile of Surgical Site infection in General Surgery ward in a tertiary care hospital
75. Incidence of lymphedema among cT1-3N1-2M0 Breast Cancer Patients Undergoing Sentinel Lymph Node Biopsy vs Axillary Clearance after Neoadjuvant Chemotherapy: An Ambispective Observational Study\
76. Intraoperative urinary catheterization in patients undergoing minimally invasive hernia repair: Trends and outcomes in a tertiary care hospital
77. Investigating the Prognostic Significance of Simultaneous Multiple Cytokine Measurement in Peritoneal Fluids for Early Detection and Prediction of Abdominal Septic Peritonitis After Emergency Laparotomy: A Prospective Cohot Study at a Tertiary Care Center
78. Laparoscopic appendectomy vs non – operative management in acute appendicitis. A randomized control trial
79. Long term impact cholecystectomy on gut microbiota alteration and risk of gastrointestinal malignancy in Indian Population. An observational cohort study
80. *Long-Term Outcomes of Laparoscopic Heller's Cardiomyotomy and Angle of His Accentuation versus Laparoscopic Heller's Cardiomyotomy and Toupet Fundoplication for Achalasia Cardia*
81. Minimal incision versus conventional hockey stick incision kidney transplant surgery using ice bag technique. A randomised controlled trial
82. Molecular characterization of hypoxia inducing factor (HIF) and angiogenic cytokine and their correlations with neoadjuvant chemotherapy in addition with hyperbaric oxygen therapy in breast cancer patients
83. *Neoadjuvant Chemotherapy in Estrogen Receptor Positive, Treatment-Naïve, Non-Metastatic Breast Cancer: Pathological and Clinical Outcomes*
84. Non inferiority RCT to evaluate different outcomes of low pressure pneumoperitoneum with deep neuromuscular blockade and compare them with standard pressure pneumoperitoneum in patients undergoing laparoscopic cholecystectomy for cholelithiasis.
85. *Patient-Reported and Functional Outcomes in Patients Undergoing Surgery for Pulmonary Aspergilloma*
86. Predictive Value of Peri anastomotic drain fluid biomarkers in Anastomotic leak: a cohort study
87. Prevalence of caecal and appendiceal neoplasms in patients presenting with acute complicated appendicitis – a piolt study.
88. Prevalence of Pectus deformities in school going children of Delhi NCR and adjoining states: A cross sectional, Observational study
89. Quality of life and outcomes in patients undergoing minimally invasive esophagectomy: Ambispective study.
90. Randomized control trial comparing pain, quality of life and cost between laparoscopic ventral transabdominal preperitoneal (VTAPP) plus vs. intraperitoneal onlay mesh (IPOM) plus repair for primary ventral hernia.

91. Randomized controlled trial comparing vTAPP versus IPOM plus in treatment of primary ventral hernia.
92. Role of Advanced Wound Care Dressings versus conventional dressings in the Management of Chronic Wounds in Diabetic Foot Ulcers (DFU): A prospective randomized controlled study
93. Role of intraoperative Indo-cyanin green fluorescence in identification of Parathyroid glandadenoma – A diagnostic study.
94. Role of Intraoperative Indocyanine Green Angiography to Predict Post-Operative Hypocalcemia in Patients undergoing Total Thyroidectomy: A Diagnostic Accuracy Study
95. Role of Matrix Metalloproteases and their inhibitors in the pathogenesis of abdominal wall hernias – A prospective case control study
96. Role of multiparametric imaging in differentiation of benign vs malignant gallbladder pathologies
97. Role of scrotal support in reducing post operative pain, oedema and hepatoma following laparoscopic inguinal hernia surgery: A Randomised control trial
98. Role of ultrasound guided lymph node targeting in the assessment of axillary lymph nodal response in node positive breast cancer after neoadjuvant chemotherapy
199. Rubber Band Ligation vs. Laser Haemorrhoidoplasty: A Randomised Controlled Trial
100. Study of impact of use of Disposable versus Reusable drapes & gowns in Operating rooms of a tertiary care teaching hospital: A Non- Inferiority Randomized Trial
101. Study of long-term patient reported outcomes of surgery in non-metastatic breast cancer patients : A cross sectional study
102. Study on the effect of a structured training program and micro breaks on workload amongst surgeons during open thyroidectomy and modified radical mastectomy: a quasi experimental study
103. Surgical outcome of patients with Aspergilloma- an ambispective study
104. The Effect of 200-cm versus 250-cm Biliopancreatic Limb in Single Anastomosis Sleeve jejunal Bypass on weight loss following Bariatric Surgery: A PHASE II Randomized Controlled Trial
105. The effect of modified versus conventional ERAS on clinical and graft outcomes in kidney transplant recipients: A randomised controlled trial
106. The Effect of Single Anastomosis Sleeve Jejunal Bypass versus Sleeve Gastrectomy on Nutritional Deficiency following Bariatric Surgery: A Phase II Randomized Controlled Trial
107. Three arm randomized Trial Comparing Intravenous Indocyanine Green, Intra Gall Bladder Indocyanine Green and no Indocyanine Green during Laparoscopic Cholecystectomy in Achieving Critical View of safety
108. Title: Further Axillary Treatment vs No Treatment in cT1-3N1M0 Breast Cancer Patients with Node Negativity after Neoadjuvant Chemotherapy: A Randomized Controlled Trial
109. To assess the efficacy of Video-assisted anal fistula Treatment versus Ksharsutra insertion in management of low anal fistula: A randomised control trial
110. To assess the safety and efficacy of barb suture with triangular end stopper and black needle versus barb suture with loop end and conventional steel needle. A prospective randomised controlled study.
111. To compare self-fixating polypropylene mesh vs 3D anatomical polypropylene mesh in laparoscopic trans abdominal preperitoneal hernioplasty- a RCT.
112. To compare self-fixating polypropylene mesh versus 3D anatomical polypropylene mesh in laparoscopic trans abdominal preperitoneal hernioplasty: A Randomized Controlled trial
113. To study effects of microbreaks on muscle activity and fatigue using surface electromyography during laparoscopic surgery
114. Utility of pre-operative shearwave elastography of the abdominal wall and muscles in detecting weak areas near hernia along with predicting successful repair of ventral abdominal hernia - A prospective comparative interventional study
115. Various techniques of repair of small umbilical hernia & their outcomes in a tertiary hospital: an ambispective longitudinal cohort study

Completed

1. Comparison of outcomes of Trans-oral vestibular and Axillo-breast approach for endoscopic hemithyroidectomy in patients with benign and indeterminate thyroid lesions- A randomized controlled trial.
2. Midline vs. triangular port placement in total extraperitoneal mesh repair in uncomplicated inguinal hernia: a randomised control trial
3. A Prospective Comparative Study to Evaluate the Restoration of Abdominal Wall Dynamics in Patients with Incisional Hernia Following Laparoscopic and Open Repair
4. A randomised control trial to compare quality of life between axial breast approach and b/l axillobreast approach for endoscopic thyroidectomy in patients with thyroid swellings.
5. A randomised controlled trial to standardize port site local anaesthesia infiltration in patients undergoing laparoscopic cholecystectomy
6. A randomized control trial in laparoscopic cholecystectomy to compare pain relief in standard pressure pneumoperitoneum with port site infiltration versus low pressure pneumoperitoneum with laparoscopically guided transversus abdominis plane block and standard pressure pneumoperitoneum with laparoscopically guided transversus abdominis plane block
7. A RCT to compare the quality of life between axillo-breast approach and bilateral axillo-breast approach for endoscopic thyroidectomy in patients with benign thyroid swellings.
8. A RCT to study the assess the efficacy of using uniform umbilical hygiene preoperatively to reduce incidence of umbilical port site complications in patients undergoing laparoscopic cholecystectomy
9. Analysis of patterns of neck trauma and its outcomes at level 1 trauma center: an ambispective observational study
10. Compare the standard vs low pressure laparoscopic cholecystectomy under deep neuromuscular block : RCT
11. Comparison of perioperative outcomes of preoperative splenic artery embolization vs laparoscopic splenectomy alone in patients with moderate and massive splenomegaly undergoing elective laparoscopic splenectomy: an open label exploratory RCT.
12. Comparison of 3D-CT volumetry and routine spirometry for prediction of post operative pulmonary function in benign lung diseases -Prospective observational cohort study
13. Comparison of Clavien Dindo Classification and comprehensive complication index for grading of post-operative complication following thoracic surgery. A prospective observational study
14. Comparison of open, laparoscopic, endoscopic, robotic and hybrid techniques of incisional and ventral hernia repair: A Meta-Analysis of Randomized Controlled Trials
15. Comparison of outcomes following open, laparoscopic, endoscopic, robotic and hybrid techniques of incisional and ventral hernia repair: A Meta-Analysis of Randomized Controlled Trials
16. Correlation of pre and post operative surgical findings with clinical course in patients undergoing early laparoscopic cholecystectomy for asymptomatic gall stone disease
17. Double blinded randomized controlled trial evaluating the feasibility, safety and efficacy of obturator nerve combined with femoral nerve block for analgesia in patients with varicose veins being treated by endovenous laser ablation of great saphenous vein-Cardiovascular Radiology and Endovascular Interventions
18. Early and long-term outcomes of colorectal surgeries: An ambispective study
19. Efficacy of Prophylactic use of Apixaban vs Aspirin Following Laparoscopic Splenectomy in Patients with risk of Portal Vein thrombosis: A phase 2 RCT
20. End to side versus side to side anastomosis with Ligation of vein distal to anastomosis for proximal arteriovenous fistula surgery: An exploratory randomized controlled trial.
21. Evaluation of Indocyanine Green for sentinel lymph node biopsy in breast cancer: Two arm open label parallel design non-inferiority randomized control trial.
22. Expression of BRCA 1/2 mutation in triple negative breast cancer in young Indian females
23. Fast track emergency lap cholecystectomy vs emergency laparoscopic cholecystectomy in index cases of acute calculus cholecystectitis patients presenting to emergency department – RCT

24. Laparoscopic appendectomy vs non-operative management in acute appendicitis. A Randomized Control Trial
25. Learning process of transabdominal pre peritoneal (TAPP) repair of groin hernia using 3D endovision
26. Midline Vs Triangular Port Placement in Total Extra-Peritoneal Mesh Repair in Uncomplicated Inguinal Hernia: A Randomized Control Trial
27. Optimal timing (Early vs Delayed) of Laparoscopic Cholecystectomy after endoscopic retrograde Endoscopic Retrograde Cholangiopancreatography for Choledocholithiasis: A Randomized Control Trial.
28. Outcomes of Difficult Laparoscopic Cholecystectomy A Prospective Observational Study
29. Polymeric Clip versus Endoscopic Stapler for securing base of appendix during laparoscopic appendectomy: An exploratory randomized controlled trial.
30. Randomized Trial Comparing Penicillin and Standard of Care vs Standard Of Care Alone In Achieving Complete Healing Of Leg Ulcers In Patients With Chronic Venous Hypertension.
31. Stapled versus concurrent stapled and hand-sewn anastomosis in small intestine surgery: An exploratory randomized controlled trial
32. Study of Faecal and Bile Microbiome in Asymptomatic Gall Stone Disease, Symptomatic Gall Stone Disease and Carcinoma Gallbladder
33. Study on the effect of a structured training program and microbreaks on workload amongst surgeons during open thyroidectomy and modified radical mastectomy: A quasi-experimental study
34. To compare inflammatory markers in low pressure pneumoperitoneum with deep neuromuscular block vs standard pressure pneumoperitoneum among patients undergoing laparoscopic cholecystectomy for GSD: A RCT
35. To compare outcomes following laparoscopic versus robotic pancreatic surgery for pancreatic neuroendocrine tumors. A systemic review and meta-analysis
36. To study etiology, clinical presentation and outcomes of patients with gastroduodenal perforation
37. To Study the clinical profile, investigations and outcome of patients undergoing parathyroidectomy : A retrospective and prospective experience.
38. To study the effectiveness of laparoscopically delivered transversus abdominis plane block for postoperative pain control in laparoscopic ventral hernia repair - a placebo controlled randomized study
39. To study the outcomes in patients with cholelithiasis following subtotal cholecystectomy
40. Use of Florescence and hematoma guided excision of the impalpable breast tumours as Co-PI
41. Use of prophylactic steroid to prevent hypocalcemia in patients undergoing thyroidectomy
42. Utility of pre-operative shear wave elastography of the abdominal wall and muscles in detecting weak areas near hernia along with predicting successful repair of ventral abdominal hernia a prospective comparative interventional study.

Collaborative projects

Ongoing

1. A global prospective cohort study on outcomes of appendicectomy for appendicitis, University of Birmingham/ Edinburgh
2. A phase 3, Randomized, open-label, Multicenter trial of ARV-471 (PF-07850327) vs Fulvestrant in participants with estrogen receptor-positive, HER2-negative advanced breast cancer whose disease progressed after prior endocrine based treatment for advanced disease (Veritac-2), Protocol no: C4891001, Department of Radiation oncology, AIIMS, New Delhi
3. A single center randomized control trial to compare the efficacy of radiofrequency ablation with that of ultrasound guided foam sclerotherapy (polidocanol) for incompetent perforators in patients with varicose vein, Cardiac Radiology, AIIMS
4. *Analysis of MEG3-induced genome-wide DNA methylation patterns in breast cancer cells*, Pathology, AIIMS
5. Assessment of Amphiregulin and CRISPLD1 as visceral adipose tissue derived modulators of cardiovascular health in obesity, Biochemistry, AIIMS

6. Clinical Evaluation of Fibroblast Growth Factor (FGF) and Silver Nanoparticle (AgNP) Entrapped Gelatin/ Gellan Hybrid Gels as Wound Dressings in Diabetic Foot Ulcer Patients". Delhi Pharmaceutical university IIT Bombay
7. Clinical, radiological and microbiological profile of chronic pulmonary aspergillosis patients undergoing resective surgery, Biochemistry, AIIMS
8. Design and Development of Smart Textiles Integrated with UWB Antenna for Breast Cancer Detection Using Microwave Imaging. National Technical Textiles Mission, Ministry of Textiles, Govt. of India (6.9 Cr)
9. Double Blinded Randomized Controlled Trial evaluating the feasibility, safety and efficacy of Obturator Nerve combined with Femoral Nerve Block for analgesia in patients with varicose veins being treated by Endovenous Laser Ablation of Great Saphenous Vein, Cardiac Radiology, AIIMS
10. Evaluation of a training program for medical students for enhancing their searching skills pertaining to clinical scenarios. Psychiatry, AIIMS
11. Evaluation of pathological reflux in patients undergoing Dor's fundoplication versus Angle of His' accentuation as an anti-reflux procedure in addition to laparoscopic Heller's cardiomyotomy in achalasia cardia. Physiology, Gastroenterology- AIIMS
12. Evaluation of visceral adipose tissue (VAT) derived P-selectin glycoprotein ligand (PSGL1), Thrombospondin-1 (TSP1) and Versican as mediators of platelet activation in obesity, Biochemistry, AIIMS
13. Functional analysis of long human non-coding RNA (IncRNA) and their association with spatial genome organization in breast cancer, Biochemistry, AIIMS
14. Global Evaluation Of Cholecystectomy Knowledge And Outcomes An International Prospective Cohort Study On Cholecystectomy. University of Birmingham (GECKO Study)
15. Indian medical students' perceptions on training and evaluation in medical education: a mixed-methods study, Medicine, AIIMS
16. Investigation of the involvement of plasma membrane ATP binding transporter A1 (ABCA1) mediated insulin resistance, Biochemistry, AIIMS
17. Long term impact cholecystectomy on gut microbiota alteration and risk of gastrointestinal malignancy in Indian Population. An observational cohort study, Microbiology, AIIMS
18. Molecular characterization of transfer RNA derived RNA fragments and Expression of Mitochondrial fusion proteins in Non-Alcoholic fatty liver disease, Laboratory Medicine, AIIMS
19. MRI evaluation of perianal fistulas – Comparison of classification systems and surgical correlation, Radiodiagnosis and Intervention Radiology, AIIMS
20. Project entitled 'Generation of 3D Breast Tumor Organoids as an in vitro Drug Screening Study Model'. Department of Stem cell Facility, AIIMS, New Delhi
21. Randomized controlled trail to compare ropivacaine with ropivacaine and clonidine combination in ultrasound stellate ganglion nerve block (USGNB) by parameters of Numerical Rating Scale (NRS) and vascular dynamics in vasculopathy, Department of Anaesthesiologist, AIIMS, New Delhi
22. *Study on screening of MAGEC1 exon-4 genetic alterations and its functional role in breast carcinogenesis*, ICMR Pathology
23. Study on screening of TAF7L and TAF1C genetic alterations and its functional role in breast carcinogenesis, ICMR Pathology
24. Study to compare expression of Protease Activated Receptor 4 (PAR4) and NLRP3 inflammasome in adipocytes of obese and non-obese individuals, Biochemistry, AIIMS
25. Study to unravel novel proteomic and lipidomic biomarkers associated with muscles atrophy in pancreatitis patients and understand the protective potential of natural / pharmaceutical agents. Gastroenterology, AIIMS
26. *Switchable tandem CAR-T cells targeting MUC1 and ROR1 for breast cancer immunotherapy* (Project ID: IIRPIG-2024 January 01110), Biochemistry, IGIB
27. *To study the role of a novel androgen receptor splice variant 7 (AR-V7) in breast cancer progression and in predicting the disease outcome*, Biochemistry
28. USG guided Vacuum Assisted Excision of Intraductal papilloma- a feasibility study in Indian setting- Randomized control trial. Radiodiagnosis and Intervention Radiology

29. Utility of Artificial Intelligence in differentiating Non-invasive Follicular Thyroid Neoplasm with Papillary like Nuclear Features from other follicular-patterned thyroid benign and malignant lesions. (Extramural Project, DBT), Pathology

Completed

1. An experimental study to assess effectiveness of Acceptance and Commitment Therapy on stress reduction and coping mechanisms in newly diagnosed breast cancer patient at AIIMS, Delhi, Dissertation of MSc Nursing Student.(Oncology Nursing) of the College of Nursing
2. Clinical significance of proteomics in liquid biopsy for Indian breast cancer women: An exploratory study. Department of Biophysics, AIIMS, New Delhi
3. Safety and Efficacy of throid artery embolization in multinodular goitre. Radiodiagnosis and Intervention Radiology, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total fundedprojects	22	33	23
Total funding	Rs 590.03 Lakhs	Rs 933.80 Lakhs	Rs 791.72 Lakhs

Publications:

Journals: 74 **Abstracts: 16** **Chapters in Book: 04**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**73**	**91**	**94**

PATIENT CARE

A) Facilities available in the department

SPECIAL CLINICS

1. Bariatric Surgery
2. Bariatric Surgery Clinic
3. Benign Breast Disease
4. Breast Cancer Clinic
5. Cancer Genetics
6. Coloproctology
7. Combined Pulmonary-Surgery
8. Endocrine Surgery
9. Gastrointestinal & Gallbladder Stones
10. Geriatric Surgery OPD
11. Geriatric Surgery OPD
12. HerniaClinic
13. Male Sexual Health
14. Pectus Clinics
15. Renal Transplant and Arteriovenous Fistula (Venous Access)
16. Stoma Clinic
17. Vascular Clinic

B) Community services/Camps etc.

1. Service camp for NSV at AIIMS, New Delhi on 24-27 July 2024, 23-27 September 2024, 16-20 December 2024 and 12-16 February 2025
2. Breast Cancer Awareness on 30 September 2024
3. Awareness on Varicose veins on DD News "Total Health" program on 29 September at Mandi House, Doordarshan, New Delhi
4. Bariatric Surgery Support Group Meeting on 02 May 2024

Item	2022–2023	2023–2024	2024–2025
OPD consultations	96, 324	95967	1, 00, 068
Special clinic consultations	8, 597	10, 258	18, 106
Patients provided rehabilitation services			
Total inpatient admissions	7, 459	10, 708	14, 188
Laboratory Investigations			

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Sunil Chumber attended CME and Conferences Surgery Update – Participated as Chairperson in MAMC Surgery Update (Maulana Azad Medical College) - MAMC, September 2024. CME in Surgery at Lady Hardinge Medical College, New Delhi, 2024. He has Chaired a session as *Chairpersons for Annual ASICON CME-2024*, New Delhi on 12 May 2024. He was Expert of Meeting as an expert for physical hearing of Ethics Committee-NMC (Dawarka), on 29 May 2024. He was Experts for framing the guidelines to regulate the conduct and broadcast of live Surgeries - reg. _ NMC (Dawarka) on 13 September 2024. He was Expert members of Selection Committee/Faculty Selection interview in Varanasi on 13 July 24. He organized CME and Conferences. He Organized the CME in Surgery-2024 and Teacher's day and Alumni Meet -2024 all on 2 to 5 September at AIIMS New Delhi in both offline and physical mode. He Organised – Workshop on Protocol writing x 2 – 2024. He Organised – workshop on Thesis writing x 2 – 2024. Organised Sports Day at Surgery Block 6 March 2024. He was Examiner on 30 August 24 - External Examiner for Final PG (MS) Patna AIIMS. On 3 December 24 - External examiner and paper setter for MS General Surgery in AIIMS, Raipur. On 18 February 25 - External Examiner for theory setting/practical examination at AIIMS, Bilaspur, HP. On 17 March 25 - Paper setter for DM.M.Ch. Endocrine Surgery Examination on 17 March 25 at KGMU, Lucknow. On 17 March 25 - External Examiner in General Surgery in Fourth Professional MBBS Examination, March 2025.(Kalyani, West Bengal). Permission to as Practical Examination PG Degree-MD/MS (Regular) Examination, January 2025 (Assam) on 29 January 25. Paper setter for DM.M.ch. Endocrine Surgery on 17 March 25 at Lucknow. He attended *Interviews Boards*. 13 July 24 - Expert members of Selection Committee/Faculty Selection interview in BHU, Varanasi. On 26 February 2025 - Expert in Standing Selection Committee for the Interview of Faculty Posts (Group A) on direct recruitment /deputation/Contractual basis in the department of General Surgery, AIIMS Bilaspur. On 17 March 25 - External Examiner for the Subject General Surgery in Fourth Professional MBBS Examination, March 2025.(Kalyani, Bengal). On 11 April 25 - attend the Standing Selection Committee for the Interview of Faculty Posts at Nagpur, AIIMS. Celebrations and Initiations Third SURGERY BLOCK Day - AIIMS New Delhi – 6 December 2024. Visit to National Museum – MS Students – March 2024.Visit to National Science Museum – MS and MCh Students – July 2024. SPORTS DAY- at SURGERY BLOCK – 6 March 2025. SPIC-MACAY Function at AIIMS in March 2025.

Professor Rajinder Parshad Organized following academic conferences/ workshops. He was Organizing Chairperson – Year in review - Updates in Breast Cancer; 1-2 March 2025; New Delhi. Organizing Chairperson - Symposium on Chest Wall Surgery-2025; 21-23 March 2025; New Delhi

He was Session Chairperson Contemporary Practices in Surgery - Symposium on Chest Wall Diseases 2025 (AIIMS, Delhi). *Compression. Bracing for Pectus Carinatum. Surgery for Pectus Carinatum: When & How. Vacuum Bell Therapy for Pectus Excavatum. Cryoanalgesia: Principles & Practice. Innovation in Adversity.* "Year in Review – Updates in Breast Cancer" (AIIMS, Delhi). *Genetic Testing for Hereditary Breast Cancer: Controversies & Consensus. Nuclear Imaging for Breast Cancer: What's New? Breast Radiology: Emerging Modalities. DCIS: What's New?* IACTS Thoracic CME 2024 (Jammu). Chaired Video Session: STS Session. ENDOSURG 2024 & 17th National Conference of SELSI - SELSICON 2024 (AIIMS, Delhi). *Laparoscopic incisional hernia repair - meshes and fixation devices. Structuring a laparoscopic hernia training program.* 6th Annual Conference ISTSCON 2024 (Hyderabad). "Robotic Surgical Techniques – How I Do It" (Video session). He was Examiner: MS Examination – Jawahar Lal Medical College, Aligarh Muslim University.

Fellowship examination for Bariatric Surgery. MCh Minimal Access Surgery. Subject expert for promotion: King George Medical University, UP.

Professor Virinder K Bansal has Oration -Groin Hernia Repair- Two Decades Experience at IHSCON 2025, Ranchi, Jharkhand on 13 February 2025.

Professor Anita Dhar received First prize "Master Video Award for Endoscopic Total Thyroidectomy" in IAESCON 2024, KGMU, Lucknow, 23 September 2024. He Organized workshop on World Lymphedema Day on 6 March 2025, AIIMS, New Delhi. He was Chairperson: Newer Horizons in Colorectal Surgery: AIIMS Colo-proctology Symposium 2024 (ACS 2024) 27 April AIIMS, New Delhi. He attended National Workshop on Cancer Research Priorities Delivery Research organized by Indian Council of Medical Research –Active participant in group discussion on "Scale Up-Low Hanging Fruit" on 7 May 2024, National Cancer Institute-AIIMS in Jhajjar, Haryana. Workshop on Advanced Oncoplastic and Reconstructive Breast Surgery attended on 25 August 2024 in Clinical Auditorium, Faculty of Medicine, University Malaya in ISW 2024, Malaysia. Workshop on robotic thyroidectomy, IAESCON 2024, KGMU, Lucknow, 21 September 2024. Organized Indo German Bilateral Cooperation meetings between Magdeburg University, Germany and Indian Universities/Institutes workshop; "Indo German bilateral Cooperation fostering mobility of students, faculty, clinicians, researcher and joint/dual degree program, joint research program" om 02 May 2024, AIIMS New Delhi. Moderated a venous session in SCOPE 2024 organized by Delhi state chapter of ASI on 18 July 2024. Chairperson in Vascular session in 6th LHMC Surgery PG Clinical Update 2025 on 29 March 2025.

Professor Hemanga K Bhattacharjee Participated in free medical camp under AIIMS patient care trust at Mundgod, Hubli, Karnataka, 23rd to 25 March 2025. Organized a service camp for NSV at AIIMS, New Delhi on 24-27 July 2024, 23-27 September 2024, 16-20 December 2024 and 12-16 February 2025. Demonstrated laparoscopic incisional hernia repair (IPOM plus) at 16th Annual National Conference of Indian Hernia Society (IHSCON 2024), 13 to 14 February 2025, Ranchi. Demonstrated laparoscopic TAPP hernia repair at 2nd National Seminar on Shalya Transta "Saushrutam- 2024", 13 to 15 July 2024, New Delhi. Demonstrated lateral internal sphinterotomy for anal fissure, Ksharsutra insertion for fistula in ano at AIIMS Coloproctology Symposium (ACS 2024), 25-27 April 2024 at AIIMS, New Delhi. Demonstrated laparoscopic ventral mesh rectopexy for rectal prolapse at 17th National Conference of SELSI, (SELSICON 2024), 16-19 March 2024, New Delhi, India. External Examiner for MS General surgery at JIPMER, Puduchhery on 8-9 July 2024. Participated as trainee ion Advance Training in the field of Medical Sciences & Management for AIIMS and relevant Institute – Medical Device Development and Social Implementation in Osaka, Japan from 28 July-3 August 2024. Interviewed candidates for the selection of contractual faculty at Lady Hardinge Medical College. Organizing Secretary, AIIMS Coloproctology Symposium (ACS 2024) at AIIMS, Delhi. Organizing Secretary, CME in Surgery and Annual Day, 2024 at AIIMS, Delhi. Member of Dean Research Committee, Robotic Surgery training facility, TSEC (Surgery Block), TSEC (NCA). Nodal Officer for National Centre for Medical Device Development, Validation and Skill training.

Professor Asuri Krishna was Organizing secretary ENDOSURG 2024 AIIMS New Delhi. He was External examiner for MBBS BH. He was Member Institute Ethics Committee. He was Member National Academy of Medical Sciences. He Operated 1st Hetropagus conjoint twin of AIIMS, New Delhi. He Elected secretary of SELSI. He Performed the first Dual Kidney deceased donor transplant of the institute. He performed the first en bloc paediatric deceased donor transplant of the institute. He appointed guest editor of SLEPT, Kidney transplant proceedings, BMC. He appointed National Coordinator for National board of examination for FNB in Minimal Access Surgery.

Professor Piyush Ranjan was Member; Surgical Affairs Committee 2024-2027, American Thyroid Association. He Included in Talent pool EYSAC, ESSO-European society of Surgical Oncology. He got Fellowship in Endocrine Surgery at the Institute of Surgery, University of Debrecen. He was Membership : BAETS- British Association of Endocrine & Thyroid surgeons. He was Medical camp organized by Indian coast guard at Lakshadweep. He was Subject Expert in APS – NEIGHRIMS, New Delhi. He was Grant Evaluator – ATA (American Thyroid Association) American Thyroid Association.

Dr Manjunath Marutipol was Registered as kidney –pancreas transplant surgeon under Delhi organ transplant cell (DOTC): File No. AA/DOTC/2016/1030/1092 dated 06-September-2024. Fellow Kidney –Pancreas Transplant surgery, Royal Adelaide Hospital, Australia. Active member of Indian Society of transplant surgery. Active member of The Transplant Society: 35543.

Dr Mohit Joshi Organized following academic conferences/ workshops. Organizing secretary, Symposium in thoracic surgery-2023. AIIMS, 24-26 March 2023. Organizing Secretary, Simulation in medical education (online). Delivered a session on 'Role of preceptor in simulation session'. 8th April 2023. Convener, Basic course in medical education for health professions. 27-29 April 2023. CMETi, AIIMS, New Delhi. Organizing Secretary, SIM MEET 2023, MASTER & SET Facility, AIIMS Delhi. Delivered a session on 'Simulation for teaching technical skills' and conducted workshop on 'Debriefing techniques for technical skills'. 18-19 August 2023. Convener, Workshop on Basic course in medical education for health professions. 29-31 August 2024. CMETi, AIIMS, New Delhi. Convener, 'Workshop on curriculum

design and framing educational objectives' for SRs and scientists. Delivered sessions on 'overview of curriculum' and 'curriculum development'. 5 October 2024. Jt. Organizing secretary, ENDOSURG 2024 & 17th National Conference of SELSI "SELSICON-2024" at AllMS, New Delhi from 16-19 October 2024. Moderated PG case presentation and chaired Free oral paper session. Jt. Organizing secretary, Year in review-updates in breast cancer. AIIMS Delhi. 1-2 March 2025. Convener, 'Workshop on curriculum design and framing educational objectives' for SRs and scientists. Delivered sessions on 'overview of curriculum' and 'curriculum development' March 2025. Organizing secretary, Symposium on chest wall surgery-2025, AIIMS Delhi. Took a session on 'Overview and work up of patients with pectus deformities. 21-23 March 2025. Included as member for following Institutional committees: Core committee for drug resistant TB. Surgical simulation training subcommittee. Awarded ICMR-DHR International Fellowship for senior biomedical scientists for the year 2023-24. Awarded Membership of Chest wall international group January 2025. Appointed as External examiner MS (Surgery) for Delhi University at MAMC, 27-30 January 2025. Evaluated MS (Surgery) thesis for Delhi university, AIIMS Jodhpur and Kathmandu university. Member, Institute Ethics Committee of National Institute of Tuberculosis and Respiratory Diseases (NITRD), Delhi. Chaired sessions in the following academic events: Surgery and annual day 2024, Department of Surgical Disciplines, AIIMS, New Delhi. 1-5 September 2024. ISTSCON 2024 (6 Annual conference of ISTS). Chaired a symposium on Lung cancer 8-10 November 2024. Services: Organized a service camp for NSV at AIIMS from 24-27 July 2024 at AIIMS, New Delhi. Organized a NSV training camp for medical officers of Delhi. 23-27 September 2024 at AIIMS, New Delhi. Organized a NSV training camp for medical officers of Delhi. 16-20 December 2025 at AIIMS, New Delhi. Organized a NSV training camp for medical officers of Delhi. 12-16 February 2025 at AIIMS, New Delhi.

Dr Suhani received Award of excellence for best research publication at the Annual research Day 2024. Thesis evaluator for AIIMS Jodhpur, AIIMS Rishikesh and BPKIMS Dharan Nepal. Member for Operational Guidelines for 'Safe Surgery' for the National. Patient Safety Implementation Framework (NPSIF). Member of WET Lab committee at SET Facility, AIIMS New Delhi.

Dr Kamal Kataria Fellowship in "Oncoplastic breast surgery" at University Hospitals of Derby and Burton (NHS Foundation trust), United Kingdom.

Dr Yashwant Singh Rathore Organization: a. 2nd AIIMS COLO-PROCTOLOGY SYMPOSIUM Cancer awareness March. b. Symposium on chest wall surgery- 2025. c. Surgery Block Sports Meet. d. Annual day and CME in surgery- 2024. e. Annual assessment for all the postgraduate and MCh students in surgery. f. DNB Surgery Examination 2024. g. Residents orientation programme and research programme for residents in the department. 2. Medical camps a. Participated in Patient care trust medical camp organized by Sera Jhe Monastic University, Bylakuppe, Mysore- Karnataka on 23-26 July 2024. b. Participated in the organized by Asoka Mission, Mehrauli, Delhi at SNM hospital, Leh, Ladakh, 15-21 September 2024. 3. Active member FACS, EAES, ASI and SELSI. 4. Actively involved in moderation of NBE organized seminars. 5. Involved in competitive paper assessment panel discussion in Symposium on chest wall surgery, 2025, Breast cancer genetics symposium, 2025, and ROBOSIM- 2025.

Dr Ankita Singh Awarded Fellowship- Fellow of the College of Laparoscopic Surgeons (FCLS) at Endosurg 2024, SELSICON, 19 October 2024. Memberships of Indian Association of Endocrine Surgeons (IAES); Medical Association for Simulation, Training, Education and Research (MASTER); Indian Hernia Society (IHS); and Society of Endoscopic and Laparoscopic Surgeons of India (SELSI). Reviewed articles in national and international Journals. Co-organized or Coordinated following CMEs/Seminars/Workshops etc. a. CME in Endocrine Surgery, 6 April 2024, b.1st AIIMS COLO-PROCTOLOGY SYMPOSIUM with pre-conference workshop, 24-27 April 2024, c. Visit by Dr Raghuram and Dr Murti at Conference hall- "Breast cancer services in India" 11 July 2024, d. Creation and Care of Stoma, 27 July 2024, e. Orientation Workshop for New Surgery Residents, 10 August 2024 and 2 February 2025, f. CME in Surgery, AIIMS, 1-5 September 2024, g. Endosurg 2024, 17th National Conference of SELSI (SELSICON 2024)- Post Graduate CME & Cadaveric Workshop & FCLS/MCLS Exam, 16-19 October 2024, h. Surgery Block day, 6 December 2024. Chaired various sessions and Judged papers/ poster presentations during state and national Conferences.

Dr Sanjeet Rai was Observer ship at University of Rochester, USA in Department of Surgery for Robotic Renal Transplant and Hydrogel Based teaching model for trainee surgeons. Awarded Membership of Royal College of Physicians and Surgeons of Glasgow (MRCPSG). Co-ordinator- Departmental Thesis Writing Workshop 2025. Core member of team involved in Establishment of Renal Transplant Program at AIIMS Rishikesh. Organizing Secretory of ENDOSURG and SELSICON 2024, ISTS 2024 and IHSCON 2024 at AIIMS DELHI.

Dr Aditya Kumar Organized following academic conferences/ workshops I. Co-organizing secretary – Year in review - Updates in Breast Cancer; 1-2 March 2025; New Delhi; II. Co-organizing secretary - Symposium on Chest Wall Surgery-2025; 21-23 March 2025; New Delhi. 2. Fellowship: I. Fellow of the College of Laparoscopic Surgeons (FCLS) – International college of laparoscopic surgeons; 19 October 2024. Editorial Work: I. Section Editor (Thoracic Surgery) – Journal of Minimal Access Surgery (JMAS). Subject Expert Committee Member– Bariatric Surgery – Central Drugs Standard Control Organization (DGHS, MoHFW). Faculty & Session Chairperson: 1st Mastery in Minimal Access Surgery – Advanced

Fellowship Course in Hepato-pancreatico-biliary Surgery by Association of Minimal Access Surgeons of India (AMASI) at GB Pant Hospital, New Delhi. Chairperson: Free paper session – AMASICON 2024. Thesis Evaluation: I. MS Thesis Evaluation: BPKIHS, Dharan, Nepal, II. DNB Thesis evaluation: National Board of examination

Dr Devender Singh received Academic Awards: Travel fellowship award in ASICON 2024 by Delhi state chapter of Association of Surgeons of India. Reviewer of International Journal of Surgery. Received Best Paper award at SURGICON 2024. Received Best Paper award at ASICON 2024. Fellow and member of following academic associations: a. Fellow of Minimal Access Surgeon of India (FMAS). b. Member of National Academy of Medical Sciences (MNAMS), c. Member of European Association of Endoscopic Surgeons (MIAGES), d. Member of Association of Surgeon of India (ASI), e. Member of Society of American association of Gastrointestinal surgeons (SAGES), f. Member of International society of Coloproctology (ISCP).

Dr Brijesh Kumar Singh Running Breast cancer and endocrine clinics. Part of GI oncology clinic and kidney transplant clinic. 3. Awarded with FAES fellowship, 4. Newer technique in axillary management of breast cancer - Targeted axillary dissection [TAD], 5. Invited as a faculty to moderate the session ABSICON 2024 at Lucknow. Invited as a faculty member to moderate the session in IAESCON 2024 at Lucknow. Invited as a faculty member to moderate the Endocrine surgery session in ASICON 2024 at Agra. Moderated a session at NBEMS Minimal Access Surgery WEBINAR.

Dr Sushant Soren Performed the first deceased donor renal transplant at AIIMS Mangalagiri. Initiated clinics: Kidney Transplant Clinic, Breast Cancer Clinic, Endocrine Surgery Clinic. Innovated in surgical practices: Hand-Assisted Laparoscopic Surgery. Certified by Intuitive Surgical as First Assist for Robotic Surgery (Da Vinci Xi). Introduced newer techniques: TARM/TARM-TAR for incisional hernia, E-TEP for groin hernia. Advanced vascular procedures: AV graft, venous transpositions, venoplasty.

Dr Nelson T was Member of Infection control committee and organized "Swachhata Pakhwada Special Campaign" on 24 April 2024 at AIIMS, New Delhi. Awarded with "Fellowship of Advanced Laparoscopic Surgery in Oncology (FALS Oncology)" held at Vikhroli, Mumbai on 23-25 August 2024 under IAGES. Certificate course by Clinical Research Unit (CRU) Workshop on "Ethics in Publication and Responsible Authorship" held on 13 September 2024 at AIIMS, New Delhi. Awarded with "Best Paper 1st Prize" in HSICON 2024 held on 27-28 September 2024 at Indore, Madhya Pradesh. Organising Secretary of First HISI-Delhi Chapter Meeting held on 14 December 2024 at Surgery block, AIIMS, ND. Certificate course by Medical Education Unit (MEU) on "92nd National Course on Educational Science for Teachers of Health professionals" held on 10–15 February 2025 at JIPMER, Puducherry. Chairperson for session "Soft tissue sarcoma" at Scope course 2024 at National Rail Museum, Delhi state chapter dated 18 July 2024. Performed live operative session on "Lateral Internal Sphincterotomy" at 1st AIIMS Coloproctology Symposium 2024, AIIMS, New Delhi dated 26 April 2024. Participated at "Indo-German Collaboration Meeting" held at AIIMS, ND dated 2nd May 2024. "Panelist for Hernia Update" at ENDOSURG/SELSICON 2024 dated 16to 19 2024, AIIMS, ND. Chairperson for session " Consensus based approach for axilla management in EBC" at ABSI-MIDCON 2025, Udaipur, Rajasthan dated 7 and 8 March 2025. Chairperson for session " Video lecture on clinical evaluation of thyroid swelling" at 7th JIPMER Surgery Update 2025 dated 27– 30 March 2025. Chairperson for session " Video lecture on MAS approaches for repair of primary ventral hernias" at 7th JIPMER Surgery Update 2025 dated 27– 30 March 2025. Chairperson for session "Case presentation on penile ulcer" at 7th JIPMER Surgery Update 2025 dated 27– 30 March 2025. Judge for poster session in "Artificial Intelligence" at laboratory medicine, AIIMS, ND dated 5 August 2024. Judge for free paper session at ENDOSURG/SELSICON 2024, AIIMS, ND dated 16-19 October 2024.

Dr Aditya Baksi Editorial board member of Journal of Bariatric Surgery and Journal of Minimal Access Surgery. Participated in STEP – Upper GI Endoscopy Workshop conducted by Association of Surgeons of India at MAMC Delhi on 23-24 August 2024. Participated as Moderator in 7 webinars of FNB Minimal Access Surgery trainees organized by National Board of Examinations in Medical Sciences. Member of Robotics Simulation Training Subcommittee, SET Facility, and Antibiotic Stewardship Committee, Surgery Block. Coordinator for DNB General Surgery Practical Examination (21 September 2024), MBBS Pre-professional Examination and Final MBBS Examination 2024, and DNB General Surgery Practical Examination (21 January 2025). Coordinator for ASI Delhi State Chapter Meeting at AIIMS New Delhi on 15 February 2025. Faculty in HSICON 2024 at Indore – September 27-28, 2024; Chairperson in session on 'Basic Ventral Hernia'. Faculty in 'Year in Review: Updates in Breast Cancer' at AIIMS; judged competitive paper session on 2 March 2025. Evaluated MS thesis from BP Koirala Institute of Health Sciences (autonomous university, Nepal).

Dr Washim Firoz Khan Participated as trainee ion Advance Training in the field of Medical Sciences & Management for AIIMS and relevant Institute – Medical Device Development and Social Implementation in Osaka, Japan from 28 July to 3 August 2024. Chairperson in IHPBA Indian Chapter 2025 held on 21 March 25 at Kolkata. Participated as Moderator in 5 webinars of FNB Minimal Access Surgery trainees organized by National Board of Examinations in Medical Sciences.

Dr Arun Anand Awarded prestigious FCLS degree at ENDOSURG/SELSICON 2024 AIIMS New Delhi. Organizing Secretary of ENDOSURG and SELSICON 2024, ISTS 2024, IHSCON 2024 at AIIMS DELHI and IHSCON RANCHI

2025. Inducted as Board member of Indian Society of Transplant Surgeons (ISTS). Chaired two sessions at live video demonstration at ENDOSURG/SELSICON 2024. Inducted as board member of ENDOSURG/SELSICON 17-19 October 2024. Chaired a session at AIIMS Coloproctology Symposium 2024. Training program conducted on basic laparoscopic suturing in wet lab for MS and MCh students. Chaired two sessions at SELSICON CELIOSCOPE COIMBATORE 17-18 MAY 2024. Chaired a session at SURGICON 15-17 November 2024. Out-reach OPD/ Medical camp at ESIC Alwar 8 March 2025.

9.41 Transfusion Medicine

Additional Professor and Head

Hem Chandra Pandey

Additional Professors

Gopal Kumar Patidar

Rahul Chaurasia

Group A Officers

Poonam Coshic

(Blood Centre, Main Hospital)

Highlights

The department's emphasis on blood safety and quality is at the core of its operations. During the year 2024-2025, over 60, 000 blood units were collected along with more than 80 outdoor voluntary blood donation drives. All units were tested for infectious markers using automated equipment's for serological and molecular assays. Alongside, patient care activities are completely automated, from the time a patient's sample is received till the blood components are issued. With recent addition of Surgical and MCH (Maternal and Child Health) blocks and NCA (National Centre for Ageing), a storage centre has been added to the MCH block to cater specifically to these patients. In addition to these, department has improved its patient care activities by expanding facilities for therapeutic plasma exchanges, PBSC collection, and introducing granulocyte collection. The department also maintains an inventory of phenotype RBC concentrates to ensure that risk of allo-immunization amongst multiply transfused patients is reduced to minimum. Moreover, all patients intended for transfusion undergo antibody screen prior to cross-matching to reduce the risk of any acute or delayed transfusion reaction. Ensuring its commitment toward quality services, the department also applied and underwent assessment for NABH accreditation of the Main Blood Centre. Apart from the routine activities, several programs for promotion of voluntary blood donation activities were also conducted, amongst this a felicitation program for blood donor and camp organisers were conducted in the presence of Director, AIIMS. Academic activities have been a priority, with departmental faculty and resident participating in various national and international programs. Several international guests visited to the department for interaction with post-graduate students and senior residents, enabling exchange of research ideas in the field of Transfusion Medicine.



Picture 1: Felicitation program for blood donors and camp organizers on National Voluntary blood donation day (1 October 2024)



Picture 2 Visit by eminent international faculties and inspection team for NABH accreditation

EDUCATION

1. Regular orientation and training programme for AIIMS nursing students.
2. MD Transfusion Medicine: Presently seven students are pursuing this programme.
3. Teaching of Postgraduate students from Department of Pathology, Lab Medicine and Haematology, BSc OT technicians are being done during their posting.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 38

Hem Chandra Pandey: 20 **Gopal Kumar Patidar: 13** **Rahul Chaurasia: 5**

Hem Chandra Pandey

1. Panelist for "Thalassemia and You: From Policies to Practice", Society of Fetal Medicine webinar on World Thalassemia Day, 8 May 2024, Virtual
2. Experience on Mega blood donation camps from AIIMS New Delhi, Online Webinar to celebrate the 20th Anniversary of World Blood Donor Day by ISTM, 8 June 2024, Virtual
3. Donor Notification - can it be more effective? 38th International Congress of the ISBT, 26 June 2024, Barcelona, Spain
4. Exchange Transfusion in Hemolytic Disease of Newborn: Unique cases at AIIMS, 1st Foundation Day of Transfusion Medicine, PGICH, 23 August 2024, Noida, UP
5. Transfusion-associated graft versus host disease, CME on advancements in apheresis and about transfusion reactions, 28 August 2024, Delhi
6. Quality Assurance program: Internal & External Audits, CME "Quality Control Practices in Blood Centre", 28 August 2024, Delhi
7. Enhancing transfusion safety–from lab to Bedside, ISTM-TRANSMEDCON 2024, 27 September 2024, Mahabalipuram, Tamil Nadu
8. NAT Testing and Blood Safety, Advancements in lab analysis: an approach to clinical diagnosis, 11 November 2024, Ranchi, Jharkhand
9. Multiple antibodies - interesting case reports, Transcon 2024 - 49th Annual National Conference of the ISBTI, 22 November 2024, Gandhinagar, Gujarat
10. Moderated panel discussion on "New Modalities of Plasma Exchange", Transcon 2024 - 49th Annual National Conference of the ISBTI, 22 November 2024, Gandhinagar, Gujarat

11. The Role of Platelet Rich Plasma (PRP) in Regenerative Medicine, CME) program "Regenerative Medicine and Hematopoietic Stem Cell Transplant – Cutting Edge Therapy, 6 December 2024, Faridabad, Haryana
12. Adsorption and Elution, Advanced Red Cell Immunohematology Workshop, 13 December 2024, Rishikesh, Uttarakhand
13. Intrauterine Transfusions: AIIMS New Delhi Experience, International Symposium on Neonatal and Pediatric Transfusion Practices, 21 December 2024, Noida, UP
14. Roles and Responsibilities of PT providers/participants, National Workshop on operationalizing External Quality Assessment program for Blood Centers, 17 January 2025, Vellore, Tamil Nadu
15. Sharing Experiences of One Pilot Cycle Study of EQAS for TTI & IH, National Workshop on operationalizing External Quality Assessment program for Blood Centers, 17 January 2025, Vellore, Tamil Nadu
16. Moderated a group discussion on "Quality Management System", National Workshop on operationalizing External Quality Assessment program for Blood Centers, 18 January 2025, Vellore, Tamil Nadu
17. Transfusion Support for Sickle cell disease, National training of trainers, 21 January 2025, Delhi
18. Component preparation, storage and transportation of components, SBTC Training (On Blood Safety) Curriculum for Medical Officer, 29 January 2025, Lucknow, UP
19. Blood components modification, SBTC Training (On Blood Safety) Curriculum for Medical Officer, 29 January 2025, Lucknow, UP
20. Residual risk of TTI with NAT (ID-NAT/MP-NAT) and serological Testing, CME on nuances of blood safety & scope of centralized TTI Testing (ID-NAT), 14 February 2025, Lucknow

Gopal Kumar Patidar

1. ABO & Lewis Blood Groups – Clinical relevance, CME on advanced ABO blood grouping and Rh Phenotyping, 9 April 2024, New Delhi
2. Objectification of imputability criteria for patient and donor adverse reactions, IHN symposium, 11 April 2024, Athens, Greece
3. Recipient Hemovigilance: Pulmonary Complications, TRANSCON Mid-year CME, 12 July 2024, Thiruvananthapuram, Kerala
4. Adverse Transfusion reactions (Delayed) and their management, Hemovigilance, 9 August 2024, Jammu, J&K
5. Global Perspective: Evolution and impact of Hemovigilance Programme, A comprehensive CME programme: Advancement in apheresis and transfusion reaction, 28 August 2024, Gurgaon, Haryana
6. Quality Management in Blood Centre, Quality and licencing process in blood centre, 16 September 2024, Gurgaon, Haryana
7. Small steps lead to big journey: Licensing and Hemovigilance, TRANSMEDCON-2024, 29 September 2024, Chennai, Tamil Nadu
8. Experience in donor notification and counselling, ISBTI-TRANSCON-2024, 21 November 2024, Ahmedabad, Gujarat
9. Blood requisition: latest guidelines and documentation, All you need to know about transfusion, 13 December 2024, Gurgaon, Haryana
10. Neonatal and Pediatric Transfusion Practices, Symposium on neonatal and paediatric transfusion, 21 December 2024, Noida, UP
11. Patient Hemovigilance, AATM Iraq Hemovigilance Webinar, 17 December 2024, Online
12. Case Discussion on donor adverse reactions, Hemovigilance Programme of India, 7 March 2025, Hyderabad, Telangana
13. Risk of transfusion: Concept of Hemovigilance, Best Practices in Blood Component Therapy, 28 March 2025, Kathmandu, Nepal

Rahul Chaurasia

1. Case presentation on Blood grouping discrepancies, "Advanced ABO Blood Grouping & Rh Phenotyping", 10 April 2024, Delhi
2. Massive transfusion in trauma, 1st National CME of ISTM, 11 July 2024, Trivandrum, Kerala

3. Discussing a case of trauma, 12th Annual Conference of ISTM -TRANSMEDCON 2024, 27 September 2024, Mahabalipuram, Tamil Nadu
4. Pan-India Availability of continuous Adequate Quality Blood, National voluntary blood donation workshop, 2 October 2024, Delhi
5. Process of blood administration: consent to monitoring, Advances and Best Practices in Blood Component Therapy, 28 March 2025, Kathmandu, Nepal

Lectures delivered over past 3 years

2022-2023	2023-2024	2024-2025
26	27	38

List of oral papers/posters presented: 12

1. Arjun, Chaurasia Rahul, Pandey Hem Chandra, Patidar Gopal Kumar, Coshic Poonam, Review of donor testing algorithms: Ethical dilemmas, TRANSCON 2024, 21 November 2024, Gandhinagar, Gujarat
2. Chippy CS, Pandey Hem Chandra, Patidar Gopal, Chaurasia Rahul, Poonam Coshic and Manoranjan Mahapatra, Development of a scoring system using laboratory parameters and transfusion outcome to predict the severity of autoimmune hemolytic anaemia (AIHA), 38th International Congress of the ISBT, 25 June 2024, Barcelona/Spain
3. Garg A, Pandey H Chandra, Suganya P, Soundra Kumari D, Sharma V, Appropriateness of management of acute adverse transfusion reactions at the bedside, 38th International Congress of the ISBT, 25 June 2024, Barcelona, Spain
4. Nand Kumar, Pandey Hem Chandra, Patidar Gopal Kumar, Chaurasia Rahul, Coshic Poonam, Delayed adverse donor reactions, TRANSMEDCON 2024, 28 September 2024, Mahabalipuram, Tamil Nadu
5. Malhotra Neena, Bharti Juhi, Pandey Hem Chandra, Sub-endometrial instillation of platelet rich plasma (SE-PRP) for thin refractory endometrium in women undergoing frozen embryo transfer (FET)– a pilot study, 80th Scientific Congress of the American Society for Reproductive Medicine, 21 October 2024, Denver, USA
6. Meher Radheshyam, Pandey Hem Chandra, Patidar Gopal Kumar, Chaurasia Rahul, Coshic Poonam, ADR in pediatric patients: experience from a tertiary centre, PGICH CME, 21 December 2024, Noida, UP
7. Ruchi, Patidar Gopal Kumar, Pandey Hem Chandra, Chaurasia Rahul, Coshic Poonam, Immunohematology work-up in case of suspected Autoimmune hemolytic anaemia, Research Day, AIIMS, 29 January 2025, Delhi
8. Ruchi, Patidar Gopal Kumar, Sahu Manoj, Pandey Hem Chandra, Chaurasia Rahul, Hazarika Anjali, Assessment of blood transfusion practices in CTVS ICU patients, TRANSCON 2024, 23 November 2024, Gandhinagar, Gujarat
9. Kumari Soundra, Patidar Gopal Kumar, Mahapatra Manoranjan, Pandey Hem Chandra, Chaurasia Rahul, Gupta Aditya Kumar, et al, Analysis of pre-procedural haematological parameters impacting the peripheral blood stem cell yield, TRANSMEDCON 2024, 28 September 2024, Mahabalipuram, Tamil Nadu
10. Sil Suhasini, Pandey Hem Chandra, Coshic Poonam, Chanchi, Manvi, Role of therapeutic plasma exchange in managing severe hyperbilirubinemia of acute calculous cholecystitis complicated by Gilbert syndrome, WAA-2024, 12 September 2024, Yogyakarta, Indonesia
11. Sil Suhasini, Pandey Hem Chandra, Coshic Poonam, Passenger lymphocyte syndrome: an overlooked reason for hemolysis after minor ABO incompatible stem cell transplant, ILBS CME, 8 April 2024, Delhi
12. Sil Suhasini, Pandey Hem Chandra, Coshic Poonam, Sharma Vineet, Utility of transfusing best matched versus antigen matched best-matched red cell unit in allo-immunised patients of severe autoimmune hemolytic anaemia, TRANSCON 2024, 23 November 2024, Gandhinagar, Gujarat

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
4	7	12

RESEARCH

Ongoing

1. A randomized control trial for evaluation of effects of leukoreduced blood transfusion on infection risk in severely injured trauma patients, Rahul Chaurasia, AIIMS (Intramural), 2 Years, 2019-24, Rs 10 Lakhs
2. Assessing the Impact of Patient Blood Management on Reducing Allogeneic Blood Transfusions in Neurosurgical Patients: A Randomized Controlled Trial, Gopal Kumar Patidar, AIIMS (Intramural), 2 Years, 2024-2026, Rs 5 Lakhs
3. Development of a Rapid Two-Minute Pre-Donation Test using a Single Drop of Blood for detection of Transfusion-Transmissible Infections (TTIs) for Safer Blood Donation, Rahul Chaurasia (CO-PI), ICMR, 3 Years, 2025-2028, Rs 4 Crore
4. Development of tools for objectification of Imputability criteria for donor and recipient hemovigilance., Gopal Kumar Patidar, International Society of Blood Transfusion, 1 Year, 2025-2026, 6000 euro
5. Diagnostic accuracy of using cell-free fetal DNA isolated from mother's plasma for determination of fetal Rh D status during antenatal period as compared to determination of D status using serological tests in cord blood, Hem Chandra Pandey, AIIMS (Intramural), 2 Years, 2019-2021, Rs 10 Lakhs
6. Establishment of reference interval for various tests in Indian population, Gopal Kumar Patidar, ICMR, 2 Years, 2025-2027, Rs 1.5 Crore
7. Hemostatic evaluation of cryopreserved platelet concentrates compared to the room temperature stored platelet concentrates in trauma patients, Rahul Chaurasia, AIIMS (Intramural), 2 Years, 2024-2026, Rs 17 lakhs
8. Peripheral inflammatory cytokines in Generalized Anxiety Disorder: A Case-controlled study, Hem Chandra Pandey, AIIMS (Collaborative intramural), 2 Years, 2021-2023, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A pilot study comparing active and passive surveillance systems for monitoring acute adverse transfusion reactions among transfused hematology patients
2. A prospective review of transfusion practices in pediatric trauma patients at level 1 trauma center
3. A randomized controlled trial to assess the effectiveness of Artificial Intelligence based game AINAR to conquer needle fear in blood donors.
4. ADVANCE- Accelerate the development of vaccines and new technologies to combat the AIDS epidemic – selection of suitable immunogens and its suitability across India and Africa for informing HIV-1 prevention
5. Assessment of appropriateness of Management of Acute Adverse Transfusion Reactions at the bedside: A retrospective study in the premier tertiary care hospital
6. Assessment of knowledge of Vasovagal reaction (VVR) mitigation strategies in blood centers: An online survey from Indian perspective.
7. Assessment of the In-vitro compatibility of FucOB enzyme converted O-group red blood cells with plasma from Bombay group individual.
8. Delineating and characterizing the m6A RNA methylation marks in primary and relapsed B-cell Acute Lymphoblastic Leukemia B-ALL
9. Development of tools for objectification of Imputability criteria for donors and recipient hemovigilance.
10. Identification of Hepatitis B virus (HBV) genotypes among healthy blood donors with asymptomatic HBV infection.
11. Notification and follow-up of blood donors reactive for transfusion-transmitted infections: A narrative review of the literature from India
12. Prevalence and specificity of red blood cell antibodies in the reproductive age group female population (15-49 years): A retrospective study in a premier tertiary care hospital
13. Review the transfusion practices for the plasma and plasma components for our centre.

14. Study to analyze the prevalence of hepatitis-B in vaccinated and unvaccinated donors and implications for blood safety
15. Transfusion of platelet concentrates in pediatric patients undergoing cardiac surgery: A retrospective analysis.

Completed

1. A pilot study to assess the items for the anxiety related events among blood donors and establish their face and content validity at a tertiary care academic institute in North India
2. A randomized control trial to determine the efficacy and schedule of oral calcium supplementation for prevention of adverse citrate reaction in plateletpheresis donors
3. Assessment of blood transfusion practices in adult CTVS ICU patients in a tertiary care hospital, AIIMS, New Delhi
4. Assessment of the blood donors to response to notification for transfusion transmitted infections and their follow-up.
5. Factors associated with peripheral blood stem cell yield in donors mobilized with granulocyte colony stimulating factors: the impact of donor characteristics.
6. H1-MR Spectroscopy based evaluation of metabolic abnormalities in anterior cingulate cortex, hippocampus, and amygdala in treatment naïve patients with unipolar and bipolar depression and its relationship with peripheral glutaminase.
7. Peripheral inflammatory cytokines in generalized anxiety disorder: a case-controlled study
8. Prospective study to analyze the incidence of adverse donor reactions during plateletpheresis procedure following active surveillance
9. Red cell Adsorption study for determining the frequency of Alloimmunization in patients with Auto-immune hemolytic anemia in a tertiary care center of Northern India

Collaborative projects

Ongoing

1. A pilot study comparing active and passive surveillance systems for monitoring acute adverse transfusion reactions among transfused haematology patients, Department of Haematology
2. A prospective review of transfusion practices in pediatric trauma patients at level 1 trauma center, Department of Surgery, JPNATC Department of Critical and Intensive Care, JPNATC Department of Emergency Medicine, JPNATC
3. A randomized controlled trial to study the effect of autologous intrauterine platelet rich plasma infusion on pregnancy outcomes in women with previous implantation failures undergoing frozen thawed embryo transfer cycles, Department of Obstetrics and Gynecology
4. An open label pilot RCT to demonstrate the superiority of high volume over standard volume therapeutic plasma exchange in pediatric patients with acute liver failure and hepatic encephalopathy, Department of Pediatrics
5. An open labelled three-armed randomized placebo-controlled trial to study the effect of intraovarian platelet-rich plasma versus autologous adult bone marrow derived stem cell instillation in poor ovarian responders, Department of Obstetrics and Gynecology
6. An Open-Label Parallel-Arm Randomized Controlled Trial on the Effectiveness of Prompt and Empirical Administration of Cryoprecipitate in Trauma Patients with Significant Hemorrhagic Shock, Department of Surgery, JPNATC
7. Analysis of clinical and laboratory factors amongst trauma patients who require massive blood transfusion, Department of Surgery, JPNATC
8. Assessing the clinical efficacy of platelet rich plasma and human amniotic membrane on outcomes of anastomotic posterior urethroplasty in pelvic fracture urethral injury: A randomized control trial, Department of Urology
9. Bioenergetic dynamics in chronic infections and their role in inflammation, Department of Biotechnology
10. Comparison of 40 ± 5% versus 60 ± 5% hematocrit of the reconstituted blood for DVET in neonates with hemolytic disease of newborn: a randomized controlled trial, Department of Pediatrics

11. Development of a Rapid Two-Minute Pre-Donation Test using a Single Drop of Blood for detection of Transfusion-Transmissible Infections (TTIs) for Safer Blood Donation, Centre for Innovation in Infectious Disease Research, Education and Training (CIIDRET), University of Delhi & Surat Raktdaan Kendra and Research Center
12. Establishment of reference interval for various tests in Indian population, Department of Laboratory Medicine
13. Evaluation of extended inflammatory parameters for early identification of bacterial sepsis using automated CBC analyzer, Department of Laboratory Medicine
14. Evaluation of the potential impact of determination of paternal RhD zygosity and non-invasive fetal RhD genotyping using circulating cell-free fetal DNA from maternal plasma in the antenatal monitoring of alloimmunized pregnant women: A pilot study on cost-benefit analysis, Department of Obstetrics and Gynecology
15. Hemostatic evaluation of cryopreserved platelet concentrates compared to the room temperature stored platelet concentrates in trauma patients, Department of Surgery, JPNATC Department of Critical and intensive Care, JPNATC
16. Role of autologous stem cells and platelet rich plasma therapy for regenerating endometrium in women with Asherman's syndrome and atrophic endometrium, Department of Obstetrics and Gynaecology
17. Screening of selective 2-phenyl quinazoline derivatives for identification of TLR2 inhibitors, Department of Biotechnology
18. Screening of selective 2-phenyl quinazoline derivatives for identification of TLR4 inhibitors, Department of Biotechnology
19. To study mitochondrial dynamics during opportunistic infections, Department of Biotechnology

Completed

1. A randomized control trial for evaluation of effects of Leukoreduced blood transfusion on infection risk in severely injured trauma patients, Department of Surgery, JPNATC Department of Critical and Intensive Care, JPNATC Department of Emergency Medicine, JPNATC

RESEARCH OVER PAST 3 YEARS

Research projects	2022-2023	2023-2024	2024-2025
Total Funded projects	3	4	7
Total Funding	30 Lakhs	35 Lakhs	600 Lakhs

Publications:

Journals: 18 **Abstracts: 03** **Books & Monographs: 02**

PUBLICATIONS OVER PAST 3 YEARS

Items	2022-2023	2023-2024	2024-2025
Total	16	18	23

PATIENT CARE:

(a) Facilities available in the department

- Voluntary blood donation camp facility
- 100% blood component preparation.
- Autologous blood donation
- Apheresis procedures (Plateletpheresis, Granulocytaphereis, Therapeutic plasma exchange, PBSC collection)
- Automated blood grouping and serology.
- Automated infectious markers testing & ID-NAT testing.

- Antibody screening and identification
- Antibody titres (ABO and alloantibodies).
- Rh (D, C, c, E, e) and K phenotypes inventory of red cells
- Leucodepleted blood/components.
- Irradiation facility.

(b) Blood collection

S no.	Work done	2022-2023	2023-2024	2024-2025
1.	Total blood units collected	54093	62524	61610
	– Voluntary Donors	12562	11371	10360
	– Replacement donors	41531	48413	51300
	– Apheresis components	2617	2740	2523
2.	Voluntary donation camps organized	100	83	82
3.	Therapeutic plasma exchanges	344	420	353
4.	Peripheral blood stem cell collection	44	60	65
5.	Granulocyte collection	14	5	4

(c) Blood component preparation

S No	Blood components	2022-2023	2023-2024	2024-2025
1.	Red blood cells (PRBC+LD-RBC)	52673	57649	59096
2.	Whole blood derived platelet conc.	46027	49835	43542
3.	Fresh Frozen plasma	28823	28480	25369
4.	Fresh Plasma	22569	29475	34497
5.	Cryoprecipitate	506	772	793
6.	Component Quality control	432 each	646 each	691 each

(d) Routine and emergency Laboratory activities including issue of blood components

S No	Tests	2022-2023	2023-2024	2024-2025
1.	Blood Grouping (Patient + Donor)	120391	126962	139669
2.	Antibody screening (Patient + Donor)	112608	110111	123014
3.	Extended phenotype of red cells (Donor)	4946	4336	4729
4.	Total patient requests received	65104	66708	101446
5.	Cross match (routine + emergency)	57779	48386	71146
6.	Total blood (PRBC + LD-PRBC) issued	47716	47007	59393
7.	PRBC issued to other blood centres/hospitals	1934	1302	8675
8	Total components issued	-	-	74066
8.	Weak R (D) testing of donor	3178	3387	3549
9.	Surplus plasma issued to fractionators	31351	39034	36194

(e) Immunohematology Laboratory

S No	Tests	2022-2023	2023-2024	2024-2025
1.	Indirect Coombs test	2268	1887	1441
2.	Direct Coombs test	3999	4561	4572
3.	Antibody titre (ABO+ Alloantibody)	1050	1027	850
4.	Phenotype for minor blood group	2255	2533	3335
5.	Resolution of crossmatch incompatibility	1057	93	656
6.	Resolution of Blood group discrepancy	79	93	103
7.	Antibody identification (Patient + donor)	1661	1273	1020
8.	Work-up of Transfusion Reaction	51	74	44
9.	Quality control of reagents	19	13	13
10.	EQAS	4	4	4

(f) Infectious disease screening laboratory

S No	Infectious disease markers	Number of tests		
		2022-2023	2023-2024	2024-2025
1.	HIV 1 & 2	54093	62290	64961
2.	HBV	54093	62699	64367
3.	HCV	54093	62468	64367
4.	Syphilis	54093	62204	64367
5.	Malaria	54093	62204	61958
6.	ID NAT Screening	82814	100401	104041
7.	NAT discriminatory	-	5995	6174

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Gopal Kumar Patidar Elected as Chairperson ISBT Wikipedia subgroup of clinical transfusion working party. He was elected as Chairperson of Transmissible Infectious Disease and nucleic acid amplification testing special interest group (SIG) of Indian Society of Blood Transfusion. He was elected as Chairperson of Recipient Subgroup of ISBT Hemovigilance working party. He was elected as secretary ISBT Hemovigilance working party. He was a Member of reviewing and analysis of reports of donor reaction submitted in Donor-Vigil software under National Blood Donor Hemovigilance Programme, India. He was selected as a member of International Collaboration of Transfusion Medicine Guidelines (ICTMG). He was selected for member of Abstract review committee of 39th International Congress of International Society of Blood Transfusion. He was selected for Annual Meeting Education Committee member by Association of Advanced Blood and Biotherapy.

VISITING SCIENTIST: None

9.42 Transplant Immunology & Immunogenetics

Professor and Head
DK Mitra

Additional Professors
Uma Kanga
Rakesh Kumar Deepak

Scientist II
Lata Kumari

Scientist I
Sanjeev Goswami
Prabin Kumar

HIGHLIGHTS

The department offers state-of-the-art transplant immunology services to support both solid organ transplantation and hematopoietic stem cell transplantation (HSCT). Utilizing advanced molecular HLA typing and comprehensive serological monitoring techniques, the department ensures high-quality care for transplant recipients. These services are also extended to facilitate deceased donor transplant activities, contributing significantly to the success of urgent transplant procedures. In a major advancement, the department has introduced prenatal diagnosis for Primary Immunodeficiencies (PIDs) using flow cytometry-based immunophenotyping. Through the application of sophisticated flow cytometry techniques, the department can rapidly analyze specific immune cell populations and subpopulations, evaluate cell surface, intracellular, and intranuclear proteins, and assess biological functions linked to immune defects. The introduction of prenatal PID diagnosis enables the early identification of affected fetuses, particularly in the first trimester of pregnancy. Early detection paves the way for timely genetic counseling, informed decision-making for families, and preparation for early interventions where feasible. This initiative reflects the department's commitment to integrating cutting-edge technologies for better patient outcomes and highlights its pivotal role in advancing the field of clinical immunology and transplant science. The department continues to evolve its services to meet the growing needs of patients while maintaining excellence in clinical care, diagnosis, and research.

EDUCATION

During the year 2024-2025, our department trained 21 students/doctors, from various hospitals and institutions from India and abroad. These candidates received training on laboratory techniques in Transplant Immunology, Immunogenetics-HLA testing, post-transplant monitoring and other immunological investigations for immune deficiency.

Short-term training-AIIMS (1-2 weeks)**:** 20

Long-term training-National (more than 6 months): 1

CMEs/Workshops/Symposia/National and International Conferences

Uma Kanga

1. Training Course in Transplant Immunology under the aegis of the Indian Society for Histocompatibility and Immunogenetics (TC-ISHI2024), 1-2 December 2024, New Delhi

* This course was certified by the American College of Histocompatibility and Immunogenetics (ACHI) and the attendees received 18 credit hours/2.7 Continuing Education Credits (CECs)

Photograph 1: Training Course faculty: Varsha Trivedi, Narinder Mehra (President-ISHI), Uma Kanga (Course Convener), Ajay Baranwal, Yoginder Pal Singh, Meenakshi Singh and Raja Rajalingam

Photograph 2: Participants from Department of Transplant Immunology and Immunogenetics with Faculty

Photograph 3: AIIMS Director, Prof M Srinivas with attendees at the Course dinner

Photograph 4: Group Photo – Training Course attendees and faculty

(photographs submitting separately on pen drive as file size too big)

Lectures delivered at CMEs, National and International Conferences

Lectures Delivered: 24

DK Mitra: 4	**Uma Kanga: 14**	**Rakesh: 1**
Lata Kumari: 1	**Sanjeev Goswami: 1**	**Prabin Kumar: 3**

National

1. Therapeutic Use of Host Immunity: What TB Patients Taught Us, IIT-Emory organised Conference cum Workshop on "From First Line to Final Strike: Innate and Adaptive Immunity", 16-18 February 2025, IIT Ropar, Punjab, India.

International

1. "Immune Check Point Inhibitors in TB Patients: Impact on In-vitro Bacillary Clearance", ATS International Conference, 17-22 May 2024, San Diego, CA, USA.
2. "Negative Influence of OX40 Pathway on Regulatory T Cells in Pulmonary Sarcoidosis" and, ATS International Conference, 17-22 May 2024, San Diego, CA, USA.
3. Immune checkpoint Inhibitors in TB Patients: Impact on In-vitro Bacillary clearance, ATS International Conference, 17-22 May 2024, San Diego, CA, USA.

Uma Kanga

National

1. HLA Epitope matching in Renal Transplantation, Annual Global Pathology Conference, Pathfinders 2024, 20-21 July 2024, Chennai
2. Alloimmune responses in transplantation-role of classical and non-classical HLA genes, Pre-conference 51st National CME (Indian Immunology Society), 15 October 2024, Bengaluru
3. Understanding HLA antibodies, 34th Congress of the Indian Society of Organ Transplantation (ISOT 2024), 17 October 2024, Ahmedabad
4. Understanding HLA, PRA And Immunological Reports in Lung Transplantation, Indian Society for Heart & Lungs Transplant (INSHLT) & Society for Heart Failure (SfHFT), 18 October 2024, Ahmedabad
5. Fine tuning the immune responses: Current concepts on acceptable mismatching for transplantation, 51st International conference of the Indian Immunology Society (IIS), 19 October 2024, Bengaluru
6. Chimerism testing for engraftment monitoring, Training Course on Transplant Immunology by Indian Society for Histocompatibility and Immunogenetics (ISHI), 1-2 December 2024, New Delhi
7. Renal Transplant Monitoring: Donor Derived Cell Free DNA and Long Noncoding RNA to Predict Rejection, 50th Annual Conference of Association of Clinical Biochemists of India (ACBICON-2024, 5 December 2024, Chandigarh
8. Unrelated Marrow Donor Registry, CME on 'Regenerative Medicine and Hematopoietic Stem Cell Transplant – Cutting Edge Therapy, 6 December 2024, Faridabad
9. Novel diagnostics and therapeutics in the management of kidney transplant recipient (Panel Discussion), AIIMS-MAYO clinic update in Kidney Diseases and Transplant 2024, 7 December 2024, New Delhi
10. Fine tuning the immune responses: Current concepts on acceptable mismatching for transplantation, National Seminar cum Workshop on ELISPOT, 23 January 2025, New Delhi
11. Fine tuning the immune responses: current concepts on acceptable mismatching and anti HLA antibodies, 2nd International Conference on Translational Research in Biomedical Sciences (TRIBS 2.0), 19-21 February 2025, Chennai
12. Complement Binding Cytotoxicity Crossmatch, Transplant Immunology Simplified and Solid Organ Transplant Infections 2025 (TIS and SOTI), 28-30 March 2025, Mumbai

International

1. Islet Antibodies Among North Indian Type 1 Diabetes Patients: Prevalence And Persistence Patternin the elderly, 37th Conference of European Federation of Immunogenetics, 20-23 May 2024, Geneva, Switzerland

2. Harnessing the power of immune informatics: Characterizing the role of T-cell immunity as an integral part of vaccine development and efficacy testing regimen, 50th Annual meeting of the American Association of Histocompatibility and Immunogenetics (ASHI), 21-25 October 2024, Anaheim, USA

Rakesh

1. Decoding Rejection: Gene Expression Profiling In Heart Transplantation, Annual Meeting of the International Society for Heart Research (Indian Section), 21 March 2025 to 23 March 2025, Chennai

Lata Kumari

1. Advancing Heart Transplant Surveillance: The Role Of Liquid Biopsy, Annual Meeting of the International Society for Heart Research (Indian Section), 21 March 2025 to 23 March 2025, Chennai

Sanjeev Goswami

1. Mitigating Immunological Insults Pre-Transplant Evaluation & Post-Transplant Monitoring, 36th Annual Conference of Indian Society of Pediatric Nephrology India (ISPNCON 2024), 6-8 December 2024, New Delhi

Prabin Kumar

1. HLA in transplant: past present and future, Gauhati Medical College Hospital (GMCH), Assam, 7 June 2024, Assam
2. Hands on workshop on "Basics of HLA typing", Gauhati Medical College Hospital (GMCH), Assam, 7 June 2024, Assam
3. Pre-conference workshop on Immunogenetics and Transplant Immunology, Neuberg National Reference Lab. OMR, Chennai, 18 July 2024, Chennai

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
17	20	24

List of oral papers/posters presented:

1. Deepak Rakesh Kumar, Kumari Lata, Effect of anesthetic technique on anti-tumor immunity in patients undergoing surgery for gall bladder cancer: A prospective randomized comparative study, ISO-MVR Cancon2024, 29 August-1 September 2024, Kozhikode, Kerala
2. Kanga Uma, Kale Urmila Kulkarni, Thakar Madhuri, Harnessing the power of immune informatics: Characterizing the role of T-cell immunity as an integral part of vaccine development and efficacy testing regimen, 50th Annual Meeting of the American Association of Histocompatibility and Immunogenetics (ASHI), 21-25 October 2024, Anaheim, USA
3. Kanga Uma, Sharma Akanksha, Lnc RNAs may predict allograft rejection, Annual Scientific Meeting of the Asia Pacific Histocompatibility and Immmunogenetics Association (APHIA 2025), 5-7 February 2025, Bangkok, Thailand
4. Kanga Uma, Sharma Shreya, Goyal Alpesh, Tandon Nikhil, Islet Antibodies Among North Indian Type 1 Diabetes Patients: Prevalence And Persistence Patternin the elderly, 37th Conference of European Federation of Immunogenetics, 20-23 May 2024, Geneva, Switzerland
5. Kumari Lata, Deepak Rakesh Kumar, Kaushik Shivani, Advancing Heart Transplant Surveillance: The Role Of Liquid Biopsy, Annual Meeting of the International Society for Heart Research (Indian Section), 21– 23 March 2025, Chennai
6. Kumari Lata, Deepak Rakesh Kumar, Kaushik Shivani, Effect of anesthesia technique on anti-tumor immunity through TNF-B levels in adult patients undergoing surgery for oral cancer, ISO-MVR Cancon 2024, 29 August-1 September 2024, Kozhikode, Kerala
7. Kumari Lata, Deepak Rakesh Kumar, Kaushik Shivani, Harnessing Eplet Matching: A Case Study of Kidney Transplant Success Amid HLA Mismatches, ISOT 2024, 18-20 October 2024, Ahmedabad, Gujarat

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
1	9	7

RESEARCH

Funded

Ongoing

1. Clinical utility of liquid biopsy in cardiac allograft rejection, Dr Rakesh Kr Deepak, ICMR, 3 Years, 2023-2026, Rs 88 Lakhs
2. Immunogenetic variants HLA-KIR repertoire and their functional relevance in Haematopoietic Stem cell transplantation outcome, Dr Uma Kanga, DST, 3 Years, 2022-2025, Rs 36.3 Lakhs
3. In Silico Trial for Tuberculosis Vaccine Development (STriTuVaD) European Commission Horizon 2020, Professor D. K Mitra, DBT, 4 Years, 2020-2024, Rs 398.36 Lakhs
4. Profiling of immune check point inhibitors (Tim-3, LAG-3, TIGIT, PD-1 and CTLA-4) in gallbladder cancer, Dr Lata Kumari, AIIMS, 2 Years, 2022-2024, Rs 10 Lakhs
5. "Susceptibility to active tuberculosis infection in individuals with Type-2 Diabetes: A possible relevance of immune exhaustion", Professor D. K Mitra, ICMR, 3 Years, 2024-2025, Rs 112 Lakhs
6. Translational potential of Mesenchymal Stem Cells in generation of immune tolerance during Solid Organ Transplantation, Dr Uma Kanga, AIIMS-Intra Departmental, 2 Years, 2024-2026, Rs 20 Lakhs

Completed

1. "Efficacy of α PD-1 as an Adjunct Immunotherapy in Tuberculosis Patients", Professor DK Mitra, DBT, 3 Years, 2021-2024, Rs 140.20 Lakhs
2. Exosomes based immune profiling of Multi Drug Resistant(MDR) Tuberculosis", Professor DK Mitra, ICMR, 3 Years, 2021-2024, Rs 70 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A prospective observational study to determine the prevalence of immune deficiencies and study the immune reconstitution post autologous hematopoietic stem cell transplant in pediatrics
2. Clinico-sero-pathological classification and pathogenesis of Idiopathic inflammatory myopathies (IIMs)
3. Establishment of heterogeneity in genetic markers: potential use in post HSCT monitoring
4. "Exosome based immune profiling in renal transplant Patients: relevance in acute graft dysfunction"
5. Exploration of the Intestinal Stem Cell (ISC) niche in persistent villous atrophy in patients with Gluten free diet unresponsive celiac disease at 12-month post-GFD
6. Identification of Signatures for predicting rejection in Renal Transplantation
7. "Immune reconstitution following haploidentical Hematopoietic stem cell transplantation"
8. Impact of checkpoint inhibitors on suppressed state of immunity in tuberculosis
9. Inhibiting Check Point Molecules in Tuberculosis: Impact on Efflux Pump in Mycobacterium tuberculosis"
10. Inhibiting PD-1 in tuberculosis: impact on immunological and clinical outcome in drug resistant and drug sensitive patients
11. To Evaluate and Correlate Human Leukocyte Antigen Mismatch, Donor Specific Antibody, and Gene Expression Profile in Early Detection of Cardiac Allograft Rejection

Completed

1. Effect of anesthetic technique on anti-tumor immunity and its markers in patients undergoing surgery for Gall Bladder Cancer: A prospective randomized comparative study.

Collaborative projects

Ongoing

1. Functional relevance of HLA-KIR interactions in Hematopoietic Stem Cell Transplantation outcome, Department of Hematology, Pediatrics and Medical Oncology, AIIMS, New Delhi

2. Genetic Diversity Among the Indian Gorkhas from Darjeeling Himalaya: Next Generation Sequencing (NGS) based In Phase Polymorphism Analysis of HLA Minigenome, Sikkim University
3. HLA associated genetic predisposition for hypersensitivity to antiepileptic drugs in North Indians: A case control study, Department of Neurology, AIIMS New Delhi
4. HLA related Genetic propensity for manifestation of Oral Sub mucous Fibrosis among North Indians, Division of Public Health Dentistry, CDER, AIIMS New Delhi
5. Study of HLA allele, T-cell epitope recognition & virus variations in COVID-19: Bioinformatics & Immunoinformatic approach, Savitribai Phule University, Pune and National AIDS Research Institute (ICMR), Pune
6. To study the prevalence and types of refractory celiac disease, as well as to work out the best possible cost effective diagnostic panels, in a cohort of non-responsive patients with celiac disease, Department of Pathology, AIIMS, New Delhi
7. Translational potential of Mesenchymal Stem Cells in generation of immune tolerance during Solid Organ Transplantation, Stem Cell Facility, AIIMS, New Delhi

Completed

1. Reliability of seminal sample after BMT in forensic situations, Department of Forensic Medicine, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	**2022–2023**	**2023–2024**	**2024–2025**
Total fundedprojects	8	8	6
Total funding	Rs 760.21 Lakhs	Rs 772.66 Lakhs	Rs 664.66 Lakhs

Publications

Journals: 06 **Abstracts: 03**

Publications

Item	**2022–2023**	**2023–2024**	**2024–2025**
Total	**17**	**18**	**9**
Journal articles	12	13	6
Abstracts	5	2	3
Chapters in books	0	3	0
Books	0	0	0

PATIENT CARE

Statistical data of patient care/lab services (numbers of various studies/ tests)

ORGAN TRANSPLANTATION

Nephrology, Cardiology, Pulmonary Medicine AIIMS & other referrals

Organ Transplant Service (Kidney, Lung, Heart)	**2022–23**	**2023–24**	**2024–25**
HLA Tests – Live Related Transplant	668	702	687
Cross Match Test – CDC (Serology)	868	994	872
Cross Match Test – (Flowcytometry)	291	322	183
Luminex PRA	418	469	319
Luminex SAB (DSA monitoring)	302	303	351

BONE MARROW / HEMATOPOIETIC STEM CELL TRANSPLANTATION

Hematology, AIIMS & Other Referrals

Diagnosis	2022–23	2023–24	2024–25
Aplastic Anemia	537	355	305
Acute Leukemia (AML + ALL)	329	187	187
Thalassemia	213	153	162
Chronic Leukemia (CML + JMML)	64	51	51
Others(Osteopetrosis + MDS + PNH + others)	243	271	231
Total	**1396**	**1017**	**949**

S. No.	Diagnosis	2022–23	2023–24	2024–25
A	**Low Resolution HLA Typing**(PCR-SSP or PCR-SSO Luminex based)			
1.	HLA-A locus	1541	1139	1030
2.	HLA-B locus	1541	1139	1043
3.	HLA-C locus	1541	1005	1045
4.	HLA-DRB1 locus	422	225	517
5.	HLA-DQB1 locus	422	225	530
6.	HLA-DQA1 locus	422	225	530
7.	HLA-DRB3/4/5 loci	35	0	0
B	**High Resolution HLA Typing** (Sequence Based Typing (SBT)/ Next Generation Sequencing (NGS)/SSO Luminex)			
8.	HLA-A locus	38	12	12
9.	HLA-B locus	38	12	12
10.	HLA-C locus	38	12	12
11.	HLA-DRB1	38	12	12
12.	HLA-DQB1	38	12	12
13.	HLA-DQA1	38	12	12
C	**Donor Specific Antibody (DSA) Monitoring - Luminex**			
14.	Mixed Screen (HLA class I & II)	50	32	28
15.	HLA class I (SAB)	36	24	26
16.	HLA class II (SAB)	34	21	24
D	**Chimerism studies in BMT**			
17.	Post HSCT recipients	113	81	19
18.	Pre HSCT recipients	49	31	19
19.	HSCT Donors	59	31	19
	Total chimerism analysis (with controls)	Total 221 tests	165	57 (+20)
	TOTAL TESTS	**6493**	**4272**	**4980**
E	**Unrelated Donor searches for BMT** * During the year requests received by Asian Indian Donor Marrow Registry for HLA matched donors	6*	**0**	**0**

II. Disease Association HLA Screening tests

	Diseases	HLA Test	2022–23	2023–24	2024–25
1.	Ankylosing Spondylitis & other Spondyloarthropathy	HLA-B-27	520	474	494
2.	Coeliac Disease	HLA-DQA1	6	6	2

3.	Coeliac Disease	HLA-DQB1	6	6	2
4.	Narcolepsy/Cataplexy	HLA-DQB1	2	0	0
5.	Behcets' Disease	HLA-B*51	76	90	146
6.	Drug hypersensitivity screening	HLA-B*57: 01, B*15:02	2	2	1
	Total (with controls)		**606**	**648**	**643 (+70)**

All Patient care services	**2022–23**	**2023–24**	**2024–25**
HSCT related & Quality Assurance Program	6493	4272	4980
Disease association screening	606	648	713
Antibody Quality Assurance Program	12	12	44
Total	**7111**	**4944**	**5693**

BONE MARROW TRANSPLANTATION- IRCH, AIIMS Referrals

Diagnosis	**2022–23**	**2023–24**	**2024–25**
Acute Leukemia - ALL	38	67	122
Acute leukemia - AML	75	90	237
Chronic Leukemia – (CML + JMML)	12	22	44
Others	27	81	101
Total	**615**	**812**	**507**

S. No.	**Diagnosis**	**No. of Tests 2022–23**	**No. of Tests 2023–24**	**No. of Tests 2024–25**
A	**Low Resolution HLA typing(PCR-SSP or PCR-SSO Luminex based)**			
1.	HLA-A locus	696	924	590
2.	HLA-B locus	690	940	620
3.	HLA-C locus	687	930	610
4.	HLA-DRB1 locus	130	190	170
5.	HLA-DQA1/B1 locus	130	190	170
B	**High Resolution HLA typing (Sequence Based Typing (SBT)/-SSO Luminex)**			
6.	HLA-A locus	06	20	0
7.	HLA-B locus	06	20	0
8.	HLA-C locus	06	20	0
9.	HLA-DRB1	06	20	0
10.	HLA-DQB1	06	20	0
11.	HLA-DQA1	06	20	0
C	**Donor Specific Antibody (DSA) Monitoring Luminex based assays**			
12.	HLA class I (SAB)	35	56	43
13.	HLA class II (SAB)	35	56	43
D	**Chimerism Study in BMT**			
14.	Post HSCT recipients	31	39	0
15.	Pre HSCT recipients	31	39	0
16.	HSCT Donors	31	39	0
	TOTAL TESTS	**2532**	**3523**	**2246**

Disease Association HLA Screening tests

S. No.	Diseases	HLA test	No. of Tests 2022–23	No. of Tests 2023–24	No. of Tests 2024–25
17.	Ankylosing Spondylitis & other Spondyloarthropathies	HLA-B-27	270	327	153
18.	Coeliac Disease	HLA-DQA1	00	00	0
	Coeliac Disease	HLA-DQB1	00	00	0
19.	Behcet's Disease	HLA-B*51	46	36	31
	TOTAL		**316**	**363**	**184**

All Patient care services	2022–23	2023–24	2024–25
HSCT related & Quality Assurance Program	2532	3523	2246
Disease association screening	316	363	184
Antibody Quality Assurance Program	0	0	0
Total	**2848**	**3886**	**2430**

PRIMARY IMMUNODIAGNOSTICS

Diagnostics	2022–23	2023–24	2024–25
Immune Deficiency Disorders * No. of Tests per annum	**5266**	**5083**	**4955**

Free of cost service provided for Primary & Secondary Immunodeficiency Diseases

S. No.	Diagnosis	Markers/Assays	2022–23	2023–24	2024–25
1.	TCell Frequency	CD3+/CD4+/CD8+	764	879	653
2.	BCell Frequency	CD19+/CD20+	853	978	821
3.	NK Cell Frequency	CD3-/CD16+/ CD56+	463	528	413
4.	NK Cell Activity	CD3/CD56dim/ Perfori+	241	278	547
5.	NK Cell Activity	SolubleIL2R	15	**34**	**21**
6.	ALPS	CD3+/CD4/8-/ TCRaβ+	32	32	68
7.	Leukocytes Adhesion Deficiency	CD18+/CD11a+/ CD11b+	383	456	341
8.	Chronic Granulomatous Disease	DHR	1263	1452	1241
9.	Hyper IgM	CD3+/CD8-/CD69+/ CD154+	16	14	10
10.	TCell function(IFN-g)	CD3+/CD4+/ IFN-γ+/IL-2+	68	62	36
11.	Class Switch Memory	CD19+/CD27+/IgD-	17	26	17
12.	Degranulation Assay	CD3/CD56dim/ CD107+	32	42	71
13.	IL-12Assay	CD14+/IL-12+	37	41	13
14.	Memory TCell	CD3+/CD45RA+/ CD45RO+	245	261	56
15.	Serum IgA		302	--	237
16.	Serum IgM		359	--	278

17.	Serum IgG		148	--	132
18.	Serum IgE		28	--	41
19.	Serum IgG Subclasses		32	--	--
Total			**5266**	**5083**	**4955**

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Uma Kanga received the `Distinguished Alumni Award' from the Punjab University, Chandigarh. His Excellency the Governor of Uttar Pradesh nominated her as an expert to the Selection Committee of the SGPGI, Lucknow. She has been inducted as a member of the Institute Scientific Advisory Committee (ISAC) of the AIIMS, Bilaspur, Himachal Pradesh**.** Honorable Director AIIMS, New Delhi nominated her for inclusion as an expert in the committee to establish Transplant Immunology Laboratory at AIIMS, Mangalagiri. She has been appointed as a member of CMETi committee of AIIMS, New Delhi. She has been appointed as a member of committee for preparation of 68th Annual Report of the AIIMS, New Delhi. The National Accreditation Board for Testing and Calibration Laboratories (NABL) certified her as an assessor for Medical Laboratories seeking accreditation by the NABL. She has been included as Associate Editor in the Editorial Board of the journal `Human Immunology'. She has been included as member of the Editorial Board of the journal `International Journal of immunogenetics'. She has been included as member of the Editorial Board (Basic Sciences) of the `Indian Journal of Organ Transplantation'. She was invited as a panelist at the AIIMS-MAYO clinic update in Kidney Diseases and Transplant, 7-8 December2024 at New Delhi. She was elected as a member of the `Gender Equity Committee' of the International Union of Immunological Societies (IUIS)(2024-2027). She has been elected as Vice President (North) of the Indian Immunology Society. She has been elected as Asia-Pacific region Councillor of the Asia-Pacific Histocompatibility and Immunogenetics Association (APHIA). She was conferred the title of Fellow of the European Board of Surgery (FEBS) in Transplant Immunology and continues to be in the board (2021 onwards). She continues to serve as Council member of the International HLA and Immunogenetics Workshop and Council (IHIWC). She continues to serve as member of the `General Assembly' of the International Union of Immunological Societies (IUIS) (2022-2025), nominated by Indian Immunology Society. She continues to serve as Secretary of Association of PhD Medical Scientists (APMS). She continues as nominated Executive Committee member of the Indian Society for Heart and Lung Transplantation (INSHLT)**.**

Dr Rakesh Kumar Deepak invited as Panelist and presider at INSHLT 2024 held on 17–20 October 2024 at Ahmedabad.

VISITING SCIENTIST

1. Professor Rajalingam Raja, Professor of Clinical Surgery, Department of Surgery, Director, Immunogenetics and Transplantation Laboratory, University of California San Francisco, USA.

9.43 Urology

Professor and Head

Amlesh Seth

Professors

Rajeev Kumar | Rishi Nayyar | Brusabhanu Nayak (w.e.f. 1 July 24)

Additional Professors

Siddharth Jain (JPNA Trauma center) | Manoj Kumar | Sanjay Kumar

Assistant Professors

Sridhar Panaiyadiyan (NCI Jhajjar) | Prashant Singh (NCI Jhajjar)

HIGHLIGHTS

A) MoU was signed for installation of SSI Mantra surgical robotic system between AIIMS and SSI Pvt Ltd, 18th May 2024





B) Dr Smith Harrison delivered a talk on "Take home messages from the best of AUA-2024, on 5th Jun 2024 in our department

C) Two departmental faculty were promoted to rank of Professor (July 2024 onwards)

D) Dr Gopal Badlani, Wake Forest University, North Carolina, USA took clinical rounds in C4 ward with residents and delivered a talk on Management of male LUTS on 23rd August 2024



E) Dr Lorentz Klotz, Professor of Uro-oncology, Sunnybrook Hospital, University of Ontario, Canada visited the Department as Infosys chair in Cancer (Oncology) from 10th October to 16th November 2024 and shared his clinical experience and expertise. He joined in academic activities of the department to guide and share clinical management issues, possible research questions and collaboration opportunities. He also supervised the use of micro ultrasound guided transperineal biopsy in our department. He participated in journal club, thesis presentations, radiology meetings, clinical rounds, OPD case discussions and OT observation. He took talks on various aspects of prostate cancer management and resident training.

a. Radio-genomics and natural history of MRI visible vs invisible cancer
b. Active surveillance for prostate cancer
c. MRI vs high resolution micro ultrasound and perineal prostate biopsy
d. Overview of Focal Therapy for prostate cancer
e. Importance of research and residency/fellowship opportunities in US/Canada
f. MRI guided TULSA for prostate cancer
g. ADT, LHRH analogues and LHRH antagonist—lesser known facts
h. Uses of errors in medical research
i. Medical self-experimentation











F) Dr Jehonathan Pinthus, McMaster University in Hamilton, Ontario, Canada visited the Department on 4th November 2024 and took a talk on LHRH antagonists for prostate cancer.



G) Department restarted renal transplant program under its care from 21st November 2024 onwards.

H) DUS Meeting and Dr Sarinder Mansingh Oration in Urology was held at AIIMS, New Delhi on 6th March 2025. Dr Stephen A Boorjian, Mayo Clinic, Rochester, USA delivered the oration on 'Evaluation and Management of Prostate Cancer Biochemical Recurrence: Balancing Disease Biology with Competing Risks'.





I) Dr Rishi Nayyar was the faculty-convener for Training workshop on use of Animations in power point at SET Facility, AIIMS, New Delhi: 15th April 2024, 20th November 2024 and 29th January 2025



EDUCATION

The faculties of the department participated and delivered lectures in continuing medical education programs, symposia, national and international conferences during the year. The senior faculty members are examiners for NBE and MCh Urology in various universities. The faculty of the department is actively engaged in development of various Indian guidelines under aegis of Urological society of India and for GUTB under Ministry of H&FW.

The Department imparted lectures for the undergraduates and nursing students (BSc and MSc). The faculty is actively involved in curriculum revision for undergraduates. The department trains 19 postgraduates for the degree of MCh in Urology over a three-year period. Post MCh Fellowship training is available for sub-specialties including minimally invasive urology, uro-oncology, reconstructive urology and urogynecology. 1 candidate each successfully completed their respective fellowships in the field of 'Minimally invasive urology' and 'Urooncology' in December 2024. Two candidates (Urogynecology) were rotated for three months each from the Department of Obst& Gyn. MS (Gen Surg) residents also rotated for urological exposure as per their curriculum.

Faculties of the department have actively taken part in development of various modules of skill sets for students, which is a step forward towards e-learning. Faculty also took lectures for the SET facility towards their faculty development program. Training of interns and MBBS students for urethral catheterization: male and female on mannequin pelvis was done in the SET Facility and has been incorporated into their regular curriculum.

CMEs/Workshops/Symposia/National and International Conferences

The department organized the following webinars/conferences

- DUS Meeting and Dr Sarinder Mansingh Oration in Urology was held at AIIMS, New Delhi on 6th March 2025. Dr Stephen A Boorjian, Mayo Clinic, Rochester, USA delivered the oration on 'Evaluation and Management of Prostate Cancer Biochemical Recurrence: Balancing Disease Biology with Competing Risks'.

Lectures delivered at CMEs, National and International conferences

Lectures delivered: 158

Amlesh Seth: 24	**Rajeev Kumar: 26**	**Rishi Nayyar: 62**
Brusabhanu Nayak: 22	**Siddharth Jain: 3**	**Manoj Kumar: 6**
Sanjay Kumar: 6	**Sridhar Panayandian: 6**	**Prashant Singh: 3**

Amlesh Seth

1. Chaired: Practice Changing Advances and Innovations in Uro-oncology over last decade, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
2. Chaired & Panelist: Advanced and metastatic carcinoma Urinary Bladder– Too much on the plate? The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
3. Changing Landscape in Management of Carcinoma Urinary Bladder, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
4. Chaired: Oncologist's View point, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
5. Panelist: Case Discussion – Various cases of testicular carcinoma, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
6. Live surgical demonstration: Open partial nephrectomy in complex renal mass, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
7. Exploring novel strategies in testicular cancer care, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow
8. Invited Faculty, Uro-Onco Conference, 25-26 May 2024, Ahmedabad
9. External Examiner, ISU-USI Mock exam, 13-14 Jul, 2024, Kolkata
10. Semi-live surgical video: Radical nephrectomy with cavo-atrial tumor thrombectomy, Valley Urocon 2024, 10-12 October 2024, Srinagar
11. Co-Chair: Scientific Board for the World Uro-Oncology Federation Session [Theme "Advancing Science for Improving Patient Care], 44th SIU Congress, 23-26 October 2024, New Delhi
12. Moderator: Prostate Cancer Session 1, 44th SIU Congress, 23-26 October 2024, New Delhi
13. Updated Novel Agents for CRPC, 44th SIU Congress, 23-26 October 2024, New Delhi
14. Panelist: Round Table: Future of Urology Training in South Asia, 44th SIU Congress, 23-26 October 2024, New Delhi
15. Semi-Live: Aorto-caval renal artery control for open RN/IVC Thrombectomy, 44th SIU Congress, 23-26 October 2024, New Delhi
16. Expert Commentator: International Prostate Forum (IPF) Symposium, 44th SIU Congress, 23-26 October 2024, New Delhi
17. Convener: Meet the Experts Session, 44th SIU Congress, 23-26 October 2024, New Delhi
18. Chaired: Master Video- Tips and Tricks in Advanced Urological Procedures, 44th SIU Congress, 23-26 October 2024, New Delhi
19. Bladder neck sparing RARP, 44th SIU Congress, 23-26 October 2024, New Delhi
20. Chaired: Kidney Cancer Session 1, 34th NZUSICON, 29 November-1 December 2024, Gurugram
21. Invited Faculty, USICON 2025, 9-12 January 2025, Chennai

22. Chairperson: Robotic Videos, Precision and Progress CME on AI, 13 February 2025, Jaipur
23. Panelist: Molecular imaging: What's beyond the PET PSMA? USI-EAU URO ONCO meet, 22-23 February 2025, Kolkata
24. Invited Faculty, Renal Cancer Update, 8 March 2025, Mumbai

Rajeev Kumar

1. Moderator: EAU-SIU session; Adrenalectomy: the least invasive way, 39th Annual Meeting of the EAU, 5-8 April 2024, Paris, France
2. Cranio-caudal bull's eye technique for superior calyceal access during percutaneous nephrolithotomy: determination of angle, efficacy, and outcomes, AAGUS annual meeting, 17-20 April 2024, Los Cabos, Mexico
3. Semi-Live: Robotic left adrenalectomy, ARUS Robotic Academic Meeting, 29 June, 2024, Online
4. Live: Microsurgical vasoepididymal anastomosis, Androcon 2024, 10 August 2024, PGI Chandigarh
5. Publishing your Research-Tips and Tricks, INSPIRE 2024, ASU, 24-25 August 2024, KMC Manipal
6. Acceptability of Manuscript- Reviewer's perspective, INSPIRE 2024, ASU, 24-25 August 2024, KMC Manipal
7. Scientific misconduct and pitfalls, 21st UAA Congress, 4-8 September 2024, Bali, Indonesia
8. The Future of Tele-Surgery in Urology, 21st UAA Congress, 4-8 Sept, 2024, Bali, Indonesia
9. Nightmares in laparoscopic nephrectomies, 34th Biennial SAUA and 16th PAUSA Congress, 12-15 September 2024, Johannesburg, South Africa
10. Fluoro guided PCNL, 34th Biennial SAUA and 16th PAUSA Congress, 12-15 September 2024, Johannesburg, South Africa
11. Chair-Controversies in Urology, 34th Biennial SAUA and 16th PAUSA Congress, 12-15 September 2024, Johannesburg, South Africa
12. Emerging Technologies and Therapies in Infertility, 13th Emirates International Urological Congress, 3-5 October 2024, Dubai, UAE
13. Live: Laparoscopic adrenalectomy, Valley Urocon 2024, 10-12 October 2024, Srinagar
14. Semi-Live: Laparoscopic adrenalectomy, 44th SIU Congress, 23-26 October 2024, New Delhi
15. Adrenalectomy: Laparoscopic and robotic techniques, Annual Congress of Sri Lankan Association of Urological Surgeons, 11-14 November 2024, Colombo, SriLanka
16. PCNL through the upper pole, Annual Congress of Sri Lankan Association of Urological Surgeons, 11-14 November 2024, Colombo, Sri Lanka
17. Pseudojournals and Pitfalls in writing, Annual Congress of Sri Lankan Association of Urological Surgeons, 11-14 November 2024, Colombo, Sri Lanka
18. MDT on Urooncology, Annual Congress of Sri Lankan Association of Urological Surgeons, 11-14 November 2024, Colombo, Sri Lanka
19. Why write and writing an abstract, Webinar on paper writing, NATCO, 16 November 2024, Online
20. What's novel in Fusion Biopsies of the prostate? SIU Regional Meeting for Residents, 21-23 November 2024, Florence, Italy
21. Scientific Writing, Webinar on paper writing: NAUS, 19 December 2024, Online
22. Journal Club, Resident's Assembly Webinar, NZUSI, 26 January 2025, Online
23. Adrenalectomy: tips and tricks, NAUS symposium on Adrenal disorders, 9 February 2025, Kathmandu, Nepal
24. Foundations of surgical training, Precision and Progress CME on AI, 13 February 2025, Jaipur
25. AI in Research and Publications, USI- ISU Webinar, 22 February 2025, (Online)
26. Clinician's perspectives to translational andrology, Indo-German Workshop on Translational Research in Andrology, 1 March 2025, KMC Manipal (Online)

Rishi Nayyar

1. Live surgical demonstration: High VVF repair, mid-term NZUSICON (RECON), 6-7 April 2024, Jammu
2. Chaired: Upper tract reconstruction, mid-term NZUSICON (RECON), 6-7 April 2024, Jammu
3. Convener and lecture/Demo class: Animations in Power point, SET Workshop, 15 April 2024, New Delhi
4. Plenary Talk: Pelvic pain and OAB (When is OAB not just OAB), FUSICON 2024, 19-20 April 2024, Hyderabad
5. Chaired and Moderated: Plenary session: 'Take home messages from the Brainstorming sessions', FUSICON 2024, 19-20 April 2024, Hyderabad
6. Moderator/Teacher for Journal club for Pan-India DNB Urology residents, NBEMS webinar, 22 April 2024, Online
7. Chaired: Video-Urology Lap procedures, UKUSCON-2024, 27-28 April 2024, Dehradun
8. Chaired: ISU-USI Program, UKUSCON-2024, 27-28 April 2024, Dehradun
9. Invited Talk: Antibiotics (Doses, Schedule, Patient on catheter/ DJ Stent), UroLithocon, 11-12 May 2024, Surat
10. Moderator for 'Chai pe charcha', UroLithocon, 11-12 May 2024, Surat
11. Chaired and Panelist: "The silence of Ureters - "In-Depth Discourse", UroLithocon, 11-12 May 2024, Surat
12. Chaired: "Update on Ca Prostate", DUS meeting, 18 May 2024, New Delhi
13. Organized: 'Resident's Assembly', NZUSI Raise & Rise Webinar, 19 May 2024, Online
14. Chaired: 'Prostate biopsy Techniques', Uro-Onco Conference, 25-26 May 2024, Ahmedabad
15. Chaired: 'Emerging issues in RCC', Uro-Onco Conference, 25-26 May 2024, Ahmedabad
16. Organized: NZUSI-Rajasthan showcase state program on 'Cystocele, prolapse and SUI', NZUSI Showcase State Webinar, 16 Jun, 2024, Online
17. Panelist: "What type of sling is best in the index SUI patient?", Best of AUA, 22-23 Jun, 2024, New Delhi
18. Live surgical demonstration: Monopolar TURP, NZUSI Cares, 29-30 June 2024, Agra
19. Reverse Tanagho (Nayyar Flap) for urethral loss, URETHRA@ AINU, 6-7 Jul, 2024, Hyderabad
20. Convener/Moderator: session on Female urethral strictures, URETHRA@ AINU, 6-7 Jul, 2024, Hyderabad
21. Chaired: Live operative session, URETHRA@ AINU, 6-7 July 2024, Hyderabad
22. Chaired: Live operative sessions, PUS-USICON, 13-14 July 2024, Jaipur
23. Chaired: 'Navigating choice for the patient among various MIST', mid-term NZUSICON (BPH 360°), 20-21 July, 2024, Jullundur
24. Organizer: mid-term NZUSICON (BPH 360°), mid-term NZUSICON (BPH 360°), 20-21 July, 2024, Jullundur
25. Chaired: Live operative session on Robotic and Lap surgeries, SOGOCON, 9-11 August 2024, Kolkata
26. Evidence based guidelines to prevent infections in endourology and the present scenario, WZUSI Webinar, 28 August 2024, Online
27. Tools in power point including animation (Demonstration followed by Group work), Basic Course Workshop in Medical & Health Professionals' Education, 29 August 2024, New Delhi
28. Panelist: Case solving session, Magnetic Forum - Mastering Uro-Oncology, 30 August 2024, New Delhi
29. Puncture Zone Concept of PCNL - SAUS Session, 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
30. Lap hemi-nephroureterectomy, RUSCON, 14-15 September 2024, Kota
31. Chaired: Guest lectures and Oration, RUSCON, 14-15 September 2024, Kota
32. Urethral strictures, Surgery Update 2024, 23-29 September 2024, New Delhi
33. Robotic Hands, Healing Nerves: The Future of Nerve Surgery, CCR of Plastic Surgery, 1 October 2024, New Delhi
34. Organizer: NZUSI Cares, NZUSI Cares, 6 October 2024, Dehradun
35. Live surgical demonstration: Lap pyeloplasty, Valley UROCON -2, 10-12 October 2024, Srinagar

36. Chaired: Live operative session, Valley UROCON -2, 10-12 October 2024, Srinagar
37. Lap radical nephrectomy, ENDOSURG & SELSICON 2024, 16 October 2024, New Delhi
38. Iatrogenic Fistula in MRKH, 44th SIU Congress, 23-26 October 2024, New Delhi
39. Application of Grafts and Flaps in the Upper Urinary Tract, 44th SIU Congress, 23-26 October 2024, New Delhi
40. Live surgical demonstration: Robotic partial nephrectomy with firefly, 44th SIU Congress, 23-26 October 2024, New Delhi
41. Convener and Chair: Master Class on Female Urinary Fistula – Trends and Challenges, 44th SIU Congress, 23-26 October 2024, New Delhi
42. Chaired: 'Urogenital cancers' [SOGO GUCSI Workshop], 44th SIU Congress, 23-26 October 2024, New Delhi
43. Panelist: 'Are we lasing it right!' [Endourology Workshop with Simulation], 44th SIU Congress, 23-26 October 2024, New Delhi
44. Convener and lecture/Demo class: Animations in Power point, SET Workshop, 20 November 2024, New Delhi
45. Chaired: 'Urothelial Tumors', Uro-Oncology Update 2024, 23-24 November 2024, New Delhi
46. Panelist: 'Non-metastatic urinary bladder cancer: Management spectrum, Uro-Oncology Update 2024, 23-24 November 2024, New Delhi
47. Ideal PCN Puncture tract, 34th NZUSICON, 29 Nov-1 December 2024, Gurugram
48. Chaired: Keynote Invited Talks, 34th NZUSICON, 29 November-1 December 2024, Gurugram
49. Chaired: Dr PN Kataria Memorial Oration & Marudhara Jodhpur Trust Oration, 34th NZUSICON, 29 Novemebr-1 December 2024, Gurugram
50. Panelist: 'Case Discussion in Functional and Female Urology', 34th NZUSICON, 29 November-1 December 2024, Gurugram
51. Organizer: NZUSICON 2024, 34th NZUSICON, 29 November-1 December 2024, Gurugram
52. Chaired: Live operative session, ISORU Conference, 7-8 December 2024, Pune
53. Port positioning for Lower tract Laparoscopy, Urology Clinics of North India (UCNI) @ABVIMS, 13-14 December 2024, New Delhi
54. Live surgical demonstration: Laparoscopic ureteric reimplant and Laparoscopic boari's flap, Urology Clinics of North India (UCNI) @ABVIMS, 13-14 December 2024, New Delhi
55. Organized: 'Resident's Assembly', NZUSI Raise & Rise Webinar, 26 January 2025, Online
56. Convener and lecture/Demo class: Animations in Power point, SET Workshop, 29 January 2025, New Delhi
57. Chaired: Robotic surgery session, Precision and Progress CME on AI, 13 February 2025, Jaipur
58. Chaired: Surgery in motion: Controversies and Techniques, USI-EAU URO ONCO Meet, 22-23 February 2025, Kolkata
59. Panelist: Case based Discussion on 'Management of Renal mass in solitary kidney', USI-EAU URO ONCO Meet, 22-23 February 2025, Kolkata
60. Organized: NZUSI-J&K showcase state program on 'Contemporary management of adrenal disorders'', NZUSI Showcase State Webinar, 1 March 2025, Online
61. Lipiodol + Indocyanine mixture for partial nephrectomy, UAUCON 2025, 22-23 March 2025, Ram Nagar, Uttarakhand
62. Chairperson & Panelist: 'Masterclass in female urology', UAUCON 2025, 22-23 March 2025, Ram Nagar, Uttarakhand

Brusabhanu Nayak

1. Practice changing advancement in Uro-oncology in last decade, The Operative Workshop and Innovations in Uro-Oncology, 12-14 April 2024, Lucknow

2. Panelist: Case based discussion on prostate cancer: solving the dilemmas, Max-Onco Conference 2024, 14 April 2024, Ghaziabad
3. Role of Radical Prostatectomy without biopsy: Is it a reality or hype, Uro-onco Conference 2024, 24-25 May 2024, Ahmedabad
4. Semi live video presentation on "Robotic ureterocalicostomy", RUFCON 2024, 14-16 June 2024, Bangalore
5. Radioligand therapy in management of metastatic castrate resistant prostate cancer, Best of AUA 2024, 22-23 June 2024, New Delhi
6. Panelist: Genetics of urological malignancies – recommendations and future directions, 3rd National symposium on genetic diseases RDIFCON 2024, 13-14 July 2024, New Delhi
7. Debate: High risk NMIBC - Conservative Vs Radical Treatment in a fit patient – Spoke in favour of radical treatment, SOGOCON 2024, 9-10 August 2024, Kolkata
8. Distal ureterectomy in UTUC – Current Scenario & Consensus, USI-ISU Webinar, 27 August 2024, Online
9. Panelist: Upper tract urothelial cancer, USI-ISU Webinar, 27 August 2024, Online
10. Debate: Standard Vs Laser EBRT: Best option for NMIBC- Spoke in favour of standard TURBT, 44th SIU Congress 2024, 23-26 October 2024, New Delhi
11. Debate: Intravesical MMC Vs BCG in Intermediate risk NMIBC: Which is better. Spoke in favor of MMC. 44th SIU Congress 2024, 23-26 October 2024, New Delhi
12. Debate: Post radiation small capacity bladder: Is Cystectomy the best option – Spoke in favour, 44th SIU Congress 2024, 23-26 October 2024, New Delhi
13. Panelist: Prostate cancer panel discussion, GU-ONCOCON 2024, 26 October 2024, New Delhi
14. Panel discussion: Non muscle invasive bladder cancer, Uro-oncology update, 16-17 November 2024, New Delhi
15. Convenor: Uro-oncology session, NZ-USICON 2024, 29 November – 1 December 2024, Gurugram
16. Moderated a panel discussion on Bladder cancer, NZ-USICON 2024, 29 November – 1 December 2024, Gurugram
17. Panel discussion: "non-oligometastatic prostate cancer", USICON 2025, 9-12 January 2025, Chennai
18. State-of-the-art lecture on "Overtreatment and oversurveillance for LG NMIBC: Strategies for de-intensification", USI – EAU Uro-onco update, 22-23 February 2025, Kolkata
19. Expert opinion and conducted a discussion with the presenter of European Urology Oncology Lecture Phase 1/2 Randomized Clinical Trial of In- clinic acupuncture Prior to Bacillus Calmette-Guerin in Patients with High-risk Non-muscle-invasive Bladder Cancer, USI – EAU Uro-onco update, 22-23 February 2025, Kolkata
20. Participated as a faculty to chair and give expert comments on androgen receptor blockers in prostate cancer, NZUSI Raise & Rise Webinar: Resident Assembly, 26 January 2025, Online
21. Panelist: Metastatic prostate cancer, 2nd Max prostate cancer update, 13 February 2025, New Delhi
22. Adrenocortical carcinoma: Recent Evidence, NZUSI Showcase State Webinar, 1 March 2025, Online

Siddharth Jain

1. Complex Reconstruction for Rectourethral fistulas, mid-term NZUSICON (RECON), 6-7 April 2024, Jammu
2. Master-class: Male posterior urethral stricture disease and surgical decision making, mid-term NZUSICON (RECON), 6-7 April 2024, Jammu
3. Brain Storming Session 7: Recommending Tips for Low-Cost CIC (Catheter Reuse, Material, Storage), FUSICON 2024, 19-20 April 2024, Hyderabad

Manoj Kumar

1. Invited Faculty, Androcon (Annual Congress of Andrology Section of USI), 8-9 June 2024, Siliguri
2. Invited Faculty, mid-term NZUSICON (BPH 360°), 20-21 July 2024, Jullundur
3. Invited Faculty, 44th SIU Congress, 23-26 October 2024, New Delhi

4. Invited Faculty, 34th NZUSICON, 29 November-1 December 2024, Gurugram
5. External Examiner, DNB Exam at SGRH, 19 December 2024, New Delhi
6. Invited Faculty, USICON 2025, 9-10 January 2025, Chennai

Sanjay Kumar

1. Moderator, ISOT 2024, 17-20 October 2024, Ahmedabad
2. Chaired: Germ cell Tumors and Rare Tumors, Best of ESMO 2024 and Uro-Oncology Update, 23rd November -24th November 2024, Delhi
3. Chaired: Semi-Live Operative workshop, 34th NZUSICON, 29 Nov-1 December 2024, Gurugram
4. Chaired: Invited presentations, 34th NZUSICON, 29 Nov-1 December 2024, Gurugram
5. Chaired: Moderated Poster- Reconstructive Surgery Urethra, USICON 2025, 9-10 January 2025, Chennai
6. Chaired: AI in Prostate Cancer, Precision and Progress CME on AI, 13 February 2025, Jaipur

Sridhar Panayandian

1. Panelist: Case-based discussion on prostate cancer: solving dilemmas, Oncocon, 24 April 2024, Ghaziabad
2. Convener: Resident Quiz, GU-Oncocon, 26 October 2024, New Delhi
3. Panelist: Biochemical recurrence and non-metastatic CPRC management: Current arenas of interest, Uro-oncology Update 2024, 24 November 2024, New Delhi
4. Convener: Resident Quiz, Uro-oncology Update 2024, 24 November 2024, New Delhi
5. Debate: Bridging the gaps session – 'Guidelines - need to be followed - best for patient', NZUSICON 2024, 30 November 2024, Gurugram
6. RCC: Guideline update, NZUSICON 2024, 30 November 2024, Gurugram

Prashant Singh

1. Moderator: Resident Quiz, GU-Onco Conference, 26 October 2024, New Delhi
2. Oligometastatic prostate cancer: A shrinking subset or an opportunity for cure, NZUSICON 2024, 30 November 2024, Gurugram
3. Chaired: Penile cancer session, NZUSICON 2024, 30 November 2024, Gurugram

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
121	133	158

List of oral papers/posters presented:

1. Agarwal K, Das C, Kumar R. Cranio-Caudal Bull's Eye Technique for Superior Calyceal Access During Percutaneous Nephrolithotomy: Determination of Angle, Efficacy, and Outcomes, SIU 2024, 23-26 October 2024, New Delhi
2. Agarwal K, Ramachandran R, Tandon N, Kumar R, Surgical and Functional Outcomes of Adrenalectomy by Urologists: a 15-Year Cohort Review, SIU 2024, 23-26 October 2024, New Delhi
3. Sachan Ankit, Nayyar Rishi, Pethe Sahil, Seth Amlesh, A 3-arm randomized control trial to compare the efficacy of recirculant hyperthermic intravesical chemotherapy versus intravesical BCG versus conventional intravesical mitomycin C therapy for intermediate risk non muscle invasive bladder cancer (NMIBC), 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
4. Muralidhar Archit, Kumar Sanjay, Seth Amlesh, Prakash Shyam, A Case Control Study to examine the impact of Serum Vitamin-D levels on the composition and risk of Renal Stone formation, USICON 2025, 9-12 January 2025, Chennai
5. Arulraj K, Kumar R, Laparoscopic total adrenalectomy with inter-aortocaval mass excision for bilateral pheochromocytoma and paraganglioma, EAU 2025, 21-24 March 2025, Madrid, Spain

6. Arulraj K, Sharma S, Das CJ, Seth A, Kumar R, Negative MRI cannot be used to omit an initial prostate biopsy-an ambispective study, SIU 2024, 23-26 October 2024. New Delhi
7. Batra A, Nayak B, Sahoo RK, Kaushal S Sharma A, Kumar A, Prevalence of pathogenic or likely pathogenic germline mutations in patients with metastatic renal cell cancer, ASCO Breakthrough: A Global Summit for Oncology Innovators, 31 May-4 June, 2024, Chicago, USA
8. GA Toshib, Syed Masood Faisal, P Sridhar, Nayak B, Robot assisted RPLND of post-chemotherapy residual retroperitoneal lymph nodes of testicular NSGCT, NZUSICON 2024, 29 November–1 December 2024, Gurugram
9. GA Toshib, Syed Masood Faisal, P Sridhar, Nayak B, Robot assisted RPLND of post-chemotherapy residual retroperitoneal lymph nodes of testicular NSGCT, USICON 2025, 9-12 January 2025, Chennai
10. Himanshu H, Kaushal S, Seth A, Batra A, Sahoo R K, Nayak B, Ahmad Mir Raz, Mridha. A R, Profiling DNA damage response and immune checkpoint proteins in metastatic prostate cancer: Unravelling mechanisms of progression and therapeutic potential, Proceedings of the AACR Special Conference in Cancer Research: Functional and Genomic Precision Medicine in Cancer: Different Perspectives, Common Goals, 11-13 March 2025, Boston, USA
11. Jain R, Batra A, Kumar A, Sharma A, Seth A, Nayak B, et al, Carboplatin in patients with metastatic castration-resistant prostate cancer harboring somatic or germline homologous recombination repair gene mutations: Phase II single-arm trial, 2025 ASCO Genitourinary cancer symposium, 13-15 February 2025, San Francisco, CA
12. Jain S, Bhusal I, Correlation of Surgical Complexity and Outcomewith Preoperative Geometric parameters in Magnetic Resonance Urethrography in pelvic fracture urethral distraction defects: A prospective cohort study, USICON 2025, 9-12 January 2025, Chennai
13. Jain S, Dilemma in diagnosis and management of retrovesical cystic mass: a rare case report of adenocarcinoma of seminal vesicle. 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
14. Jain S. Perirenal hematoma following ureterorenoscopic lithotripsy (URSL): lesson learnt from an unusual complication, 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
15. Kevin Arulraj, Rishi Nayyar. Navigating complex partial nephrectomies: Illuminating the surgical path with indocyanine green and intraoperative ultrasound in complex renal masses. 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
16. Manoj Kumar, Real time Contrast Enhanced Ultrasound and Shear Wave Elastography in the evaluation of patients with Anterior Urethral stricture, EAU 2025, 21-24 March 2025, Madrid, Spain
17. Manoj Kumar, Scientific paper presentation, Androcon, 8-9 June 2024, Siliguri
18. Manoj Kumar, Smart Phone-based Home Monitoring of the patients with Benign Prostatic Hyperplasia: Emerging Telemedicine Tool in COVID-19 Era, EAU 2024, 5-8 April 2024, Paris, France
19. Masood F, Nayyar R. [1], Reconstruction in a case of double urethra with 5 openings in anal canal. RECON, 6-7 April 2024, Jammu
20. Nayak B, Aggarwal N, Balagola A, Nayyar R, Kumar R, Seth A, Randomized phase II Trial on single dose perioperative Installation of Intravesical Gemcitabine versus Mitomycin-C Following Complete Resection of Non-Muscle Invasive Bladder Cancer: Evaluation of Efficacy and Tolerance, 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
21. Nayak B, Aggarwal N, Balagola A, Nayyar R, Kumar R, Seth A, Randomized phase II Trial on single dose perioperative Installation of Intravesical Gemcitabine versus Mitomycin-C Following Complete Resection of Non-Muscle Invasive Bladder Cancer: Evaluation of Efficacy and Tolerance, IBCN 2024 Annual meeting, 19-21 September 2024, Bern, Switzerland
22. Nayak B, Aggarwal N, Nayyar R, Kumar R, Seth A, A randomized phase II trial on single dose perioperative Instillation of intravesical gemcitabine versus mitomycin-C following complete resection of non-muscle invasive bladder cancer: Evaluation of efficacy and tolerance, 16thEMUC 2024, 7-10 November 2024, Lisbon, Portugal
23. Nayak B, Arulraj K, Kumar L, Yadav S, Singh P, Seth A. Effect of androgen deprivation therapy on cardiovascular function in patients with advanced prostate carcinoma: Aprospective cohort study, 16th EMUC 2024, 7-10 November 2024, Lisbon, Portugal
24. Nayak B, Karmakar S, Kumar S, Banerjee S, Seth A, Molecular analysis to explore resistance against tyrosine kinase inhibitors in metastatic clear cell renal cell carcinoma: A prospective, cohort study-, 21st UAA Congress, 5-8 September 2024, Bali, Indonesia

25. Nayyar R, Rathi A, Trivedi S, Mittal A, Bora G, Vasudeva P, et al. Does the pattern of storage symptoms influence clinical epidemiology in young men with LUTS: Results of the SciCOM 3 project, FUSICON 2024, 19-20 April 2024, Hyderabad
26. Rathi A, Nayyar R, Seth A, Jain S, Duration of Medication Therapy and Outcomes after Transurethral Resection of Prostate for Patients with Benign Prostatic Obstruction, FUSICON 2024, 19-20 April 2024, Hyderabad
27. Rathi A, Nayyar R, Seth A, Jain S, Duration of Medication Therapy and Outcomes after Transurethral Resection of Prostate for Patients with Benign Prostatic Obstruction, 21st UAA Congress, 5-8 September 2024, Bali, Indonesia
28. Sanjay Kumar, Rakesh Kumar, Seema Kaushal, Sanjay Sharma, Chandan J Das, Amlesh Seth, Comparison of 68-Ga-PSMA PET/CT and multiparametric MRI in detecting lymph node metastases in patients with intermediate or high-risk prostate cancer, AUA 2024, 3-6 May 2024, San Antonio, USA
29. Sanjay Kumar, Vaibhav Aggarwal, A Shariff, Amlesh Seth, Association of Heavy Metals and Trace Elements in Urolithiasis: A Case-Controlled Study, SIU 2024, 23-26 October 2024. New Delhi
30. Singh P, Joseph C, Arulraj K, Panaiyadiyan S, Kaushal S, Seth A, Giant Renal Oncocytoma – A rare case report, SLAUS - 2024, 13 November 2024, Colombo, Sri Lanka
31. Mewar Sujeet, Kumar Pradeep, Nayyar Rishi, Sharma Sanjay, Jayasundar Rama, Integrated Metabolic Profiling Study and Clinical Parameters to Identify Metabolites for Improvement of the Non-invasive Diagnosis of Prostate Cancer, International Medicine and Health Sciences Congress (IMHSC), 5-7 November 2024, Maldives
32. Tiwari R, Manju S, Singhal M, Nayyar R. [2], Robotic assisted supraclavicular exploration of Brachial Plexus, Robotic Assisted Microsurgical and Endoscopic Society conference (RAMSES), 8-9 November 2024, Singapore
33. Tiwari R, Manju S, Singhal M, Nayyar R. Robotic nerve transposition, EFSM (European Federation of Societies of Microsurgery), 9-11 May 2024, Milan, Italy
34. Aggarwal Vaibhav, Kumar Sanjay, Seth A Shariff Amlesh[3], Association Of Heavy Metals and Trace Elements inUrolithiasis A Case-Controlled Study, NZUSICON 2024, 29 November – 1 December 2024, Gurugram

Awards won: [1] Best Paper award, RECON 2024 – 1st prize

[2] Best Paper award, RAMSES 2024 – 1st prize

[3] Best Moderated Poster, NZUSICON 2024 – 2ndprize

ORAL/POSTER PRESENTED OVER PAST 3 YEARS

2022–23	2023–24	2024–25
35	25	34

RESEARCH

Funded projects

Ongoing

1. Real time Contrast Enhanced Ultrasound and Shear Wave Elastography in the evaluation of patients with Anterior Urethral stricture, Manoj Kumar, AIIMS Intramural, 1 Year, 2023-2024, Rs 4,87,000
2. The Role of Trace Elements in Renal Stone Disease, Sanjay Kumar, ICMR, 3 Years + 6 months extension, 2021-2025, Rs 97,61,605 + 4, 49, 904
3. To test the clinical utility of Blood-based miRNA 371-373 and mi302/367 as an early biomarker to stratify who might be benefited from Retroperitoneal Lymph Node Dissection (RPLND): A patient-based study, Brusabhanu Nayak, AIIMS Intramural, 2 Years, 2023-2025, Rs 10,00,000

Completed

1. Molecular analysis to explore resistance against receptor tyrosine kinase inhibitors (TKI) in Renal Cell Carcinoma (RCC) and the prognostic role of Circulating tumor cells (CTC) inpatients with metastatic RCC(mRCC), Brusabhanu Nayak, ICMR, 3 Years, 2021-2024, Rs 59,00,000

Departmental projects (including thesis/dissertations)

Ongoing

1. A Case Control Study to examine the impact of Serum Vitamin-D levels on the composition and risk of Renal Stone formation
2. A study to assess the Quality of life and Sexual Dysfunction among Urology patients after DJ Stenting
3. An Investigation to find out Genomic & Epigenomic Etiologies in Hypospermatogenesis (HP)
4. Assessing the clinical efficacy of platelet rich plasma and human amniotic membrane on outcomes of anastomotic posterior urethroplasty in pelvic fracture urethral injury: A randomized controlled trial
5. Assessing the efficacy of ICG Fluorescence with methylene blue dye guided dynamic sentinel lymph node biopsy in patients with carcinoma penis: A prospective observational study
6. Evaluation of factors predicting prostate cancer detection rates after trans-rectal USG guided biopsy
7. Functional outcomes after surgery for Conn's Syndrome
8. Idiopathic Sertoli Cell Only Syndrome (SCOS): An Investigation to find out Epigenomic Etiologies
9. Impact of 24 hours vs prolonged antibiotic prophylaxis on postoperative complications following radical cystectomy: A randomized clinical trial
10. Impact of avoiding Restage TURBT in non-muscle invasive bladder tutors - a randomised controlled trial
11. Impact of intra-operative frozen section examination by NeuroSAFE on positive surgical margin during RARP- a prospective study
12. Lymphorrhea after lymphatic ligation with titanium clips versus ultrasonic dissector during radical cystectomy: A prospective, double-blinded, randomized trial
13. Outcome of guideline directed pre-operative prophylactic single dose/day vs extended prophylactic antibotics for urological surgeries: A Randomized controlled study
14. Prediction of bladder cancer histopathology by surgeon during TURBT and its correlation with imaging and final histopathology
15. Role of Multimodal Prehabilitation Program as a preoperative optimisation strategy in patients undergoing open Radical Cystectomy: A Prospective Randomised study
16. Role of urethral povidone-iodine instillation before catheterization in routine urological surgery
17. Unenhanced CT and biochemical characteristic of pheochromocytoma: An ambispective study

Completed

1. A Case Control Study to examine the impact of Serum Vitamin-D levels on the composition and risk of Renal Stone formation
2. Anterior-first versus posterior-first approach for RARP – a comparative study
3. Correlation of surgical complexity and outcome with preoperative geometric parameters in MRI in pelvic fracture-related urethral injury: A prospective cohort study
4. Cranio-caudal Bull's eye (CCB) technique for superior calyceal access during PCNL: Assessment of efficacy and complications
5. Effect of Androgen Deprivation Therapy on Cardiovascular Function in Patients with Advanced Carcinoma Prostate: A Prospective Cohort study
6. Evaluation of seminal biomarkers for the diagnosis of obstruction as the cause of azoospermia in infertile men
7. Investigation of potential biomarkers for the differential diagnosis of non-obstructive azoospermia
8. MicroRNA expression profiles in testicular FNAC samples of apparent idiopathic Sertoli cell only syndrome (SCOS) cases
9. Prevalence of Yq Micro-deletions in Random Population
10. Role of combined use of Indocyanine green (ICG) and intra operative Ultrasound (USG) for NSS

11. Role of mp MRI using VIRAD (Version 1) in predicting the stage and grade of disease in carcinoma urinary bladder
12. To evaluate and compare the results of unilateral versus bilateral vaso-epididymal anastomosis amongst men with infertility due to idiopathic obstructive azoospermia

Collaborative projects

Ongoing

1. A multi-institutional prospective observational study of ureteric strictures after ureteroscopy, Urological Society of India, USI-CRC
2. A phase III double blind randomized placebo-controlled study of Capivasertib + Abiraterone versus Placebo + Abiraterone as treatment for de novo metastatic hormone sensitive prostate cancer characterized by PTEN deficiency (CAPItello-281), Medical Oncology, AIIMS
3. A prospective multi-institutional assessment of prostate biopsy practices in India, Urological Society of India, USI-CRC
4. A randomized, double blind, placebo-controlled phase 3 study of darolutamide in addition to androgen deprivation therapy (ADT) Vs. placebo + ADT in men with metastatic hormone sensitive prostate cancer (ARANOTE), Radiation oncology, AIIMS International collaboration
5. A single arm, open label phase 4 study of Darolutamide in addition to standard androgen deprivation therapy for participants in Indian with high risk non metastatic prostate cancer, Radiation Oncology, AIIMS
6. An investigation into metabolomics of prostate cancer patients to identify diagnostic and prognostic biomakers for disease for disease burden and therapeutic outcome and development of metabolomics database, Pharmacology, AIIMS
7. An Investigation into metabolomics of prostate cancer patients to identify diagnostic and Prognostic biomarkers for disease burden and therapeutic outcome and development of metabolomics database, Pharmacology, AIIMS
8. An investigator-initiated, open-labeled, randomized controlled trial of recombinant human platelet-derived growth factor for prevention of multikinase inhibitor-associated hand-foot skin reaction, Medical Oncology, AIIMS
9. Artificial Intelligence for Diagnosis, Local Staging, And Prognostication of Prostate Cancer Based On data from Baseline Gallium-68 PSMA PET/CT scan and other Clinical Modalities, Nuclear Medicine
10. Can NMR metabolomics of blood plasma be used to segregate prostate cancer patients with positive biopsy and negative biopsy non-invasively? NMR, AIIMS
11. Carboplatin in patients with metastatic castrate resistant prostate cancer harboring somatic or germ line homologous recombination repair gene mutations: A phase II single arm trial, Medical Oncology, AIIMS
12. Clinical efficacy of Autologous Fascia Lata Mid-Urethral Sling versus Polypropylene Mesh Outside-In Transobturator Tape in the management of Stress Urinary Incontinence, Obst and Gynae, AIIMS
13. Clinical efficacy of Autologous Fascia Lata versus rectus fascia Mid-Urethral Sling in the management of Stress Urinary Incontinence, Obst and Gynae, AIIMS
14. Comparative study on Brachytherapy Boost Vs Stereotactic Body Radiotherapy (SBRT) Boost Following External Beam Radiotherapy (EBRT) in Intermediate and High-Risk Prostate Cancer", Radiation Oncology
15. Development of whole-body exposure unit to study the effect of diesel engine exhaust on male reproductive function, Physiology, AIIMS
16. Distribution of aldosterone-secreting cells in adrenal glands from normal subjects and patients of primary hyperaldosteronism, Pathology, AIIMS
17. Dual energy computed tomography (DECT) in assessing response to tyrosine kinase inhibitors (TKI) in metastatic renal cell carcinoma, Radiology, AIIMS
18. Evaluation of DNA damage response (DDR) pathways in prostate cancer, Pathology, AIIMS
19. Gait Kinematics and neurogenic bladder in incomplete spinal cord injury patients following transcranial magnetic stimulation: a randomized controlled trial, Physiology, AIIMS

20. Hemodynamic profile in the perioperative period in patients undergoing pheochromocytoma and paraganglionoma surgery with and without low dose diltiazem infusion, Anesthesia, AIIMS
21. Incidence and Risk Factors, for complications of urinary catheters used in PICU, Pediatrics, AIIMS
22. Integrated Metabolic profiling study and clinical parameters to identify metabolites for improvement in non-invasive diagnosis of prostate cancer using Nuclear Magnetic Resonance Spectroscopy and Mass spectrometry, NMR, AIIMS
23. Metabolic profile and quality of life assessment in patients with metastatic carcinoma prostate receiving androgen deprivation therapy, Medical Oncology, AIIMS
24. Molecular characterization and antimicrobial resistance profile of Uropathogenic Escherichia Coli (UPEC) from patients with UTI in India: A cross-sectional study, Microbiology, AIIMS
25. Molecular profiling and phenotype-genotype correlation of patients with Pheochromocytoma/Paraganglioma: Deciphering implications in management and prognostication, Pathology, AIIMS
26. Prevalence of mutations influencing prostate cancer risk and progression, Medical oncology, AIIMS University hospital network, Toronto
27. Prospective Evaluation of Tc 99m Sesta MIBI scan to differentiate Benign solid Renal Mass from more aggressive malignant RCC, Nuclear Medicine, AIIMS
28. Prospective observational study to assess the utility of da Vinci™ robotic system for brachial plexus exploration and reconstruction, Burns & Plastic surgery, AIIMS
29. Randomized double blinded placebo controlled clinical trial for the evaluation of effect of vitamin K supplementation on bone mineral density in prostate cancer patients, Pharmacology
30. Randomized double-blind placebo-controlled clinical trial - an exploratory study to investigate the efficacy of moclobemide as an add-on treatment in castration-resistant prostate cancer patients, Pharmacology
31. RCT Evaluating Cystectomy with Perioperative Pembrolizumab and Cystectomy with Perioperative EnfortumabVedotin and Pembrolizumab versus Cystectomy Alone in Participants who are Cisplatin- Ineligible or Decline Cisplatin with Muscle-Invasive Bladder Cancer (KEYNOTE-905/EV-303), Medical Oncology, AIIMS
32. Studies on Metabolic Changes in Prostate Carcinoma Patients, Pharmacology
33. Tele-Pre-anesthesia-checkup vs Standard face-to-face Pre-anesthesia-check up, Anesthesia, AIIMS
34. The Role of 68Ga PSMA PET Scan in the evaluation of Renal Cell Carcinoma, Nuclear Medicine, AIIMS
35. To study gene expression, epigeneticalterations, oxidative DNA damage in infertile men after yoga intervention and to analyse effect of their serum on cancer cell lines, Anatomy, AIIMS
36. Ultrasound Guided Pudendal nerve block with intravenous Dexmedetomidine as an alternative to neuraxial anaesthesia for Male Urethral reconstructive surgery, Anesthesia, AIIMS
37. Understanding the role of circular RNAs in prostate cancer progression, Reproductive Biology
38. Use of PET-CT with Gallium-68 Labeled Prostate Specific Membrane Antigen in the Diagnosis and Follow-up of Patients with Prostate Cancer, Nuclear Medicine, AIIMS

Completed

1. Clinical epidemiology of LUTS in young men less than 40 years, Urological Society of India, FFUS section
2. Evaluation of microsatellite instability (MSI) and PDL1 expression in molecular subtypes of upper and lower tract urothelial carcinoma, Pathology, AIIMS

TOTAL FUNDED RESEARCH PROJECTS OVER 3 YEARS

	2022–23	2023–24	2024–25
Total funded research projects	4	4	3
Total amount of extramural/intramural funding (Rs)	Rs 171 Lakhs	Rs 171 Lakhs	116 Lakhs

PUBLICATIONS

Publications

Journals: 22 **Abstracts:08** **Chapters in Book:08**

Publications over last 3 years

Item	2022–23	2023–24	2024–25
Total	**39**	**38**	**38**

PATIENT CARE

	2022–23	2023–24	2024–25
Main Hospital Department			
Main OPD new cases	20051	15700	16385
Main OPD old cases	37392	29821	30534
BRAIRCH Uro-malignancy clinic New cases	581	724	736
BRAIRCH Uro-malignancy clinic Old cases	7740	8705	9575
Andrology and Infertility Clinic New cases	861	725	778
Andrology and Infertility Clinic Old cases	1014	682	917
Long Admissions	1437	1847	1584(C4) + 484(AB7) +10(KTP)
Short Admissions	649	694	814(C4)
Discharges	2081	2559	2496
Main OT surgical procedures – open	368	455	352
Main OT surgical procedures – endourology	782	1249	1168
Main OT surgical procedures – laparoscopic	149	182	198
Main OT surgical procedures – robotic	130	156	179
Main OT surgical procedures – microsurgery	20	14	18
Main OT surgical procedures – local anesthesia	495	551	599
Minor OT	15982	18190	18996
Stone Lab	-	292	317
ESWL	682	810	845
Ultrasound guided procedures	650	398	328
NCI Jhajjar			
NCI Jhajjar OPD, New Cases	328	481	493
NCI Jhajjar OPD, Old cases	630	1988	3327
NCI Jhajjar, Ward admissions	-	394	531
NCI Jhajjar, Discharges	-	397	523
NCI Jhajjar, OT Surgical procedures	412	328	449
JPNA Trauma center			
Trauma center, OT Surgical procedures	72	24	30

Details of Main OT Surgical Procedures: 2516

***Open surgery*: 352**

Radical cystectomy	58	Radical or cytoreductive nephrectomy	33
Radical cystectomy with nephroureterectomy	11	Radical nephrectomy with IVC thrombectomy	12
Renal transplant recipient (Live related)	5	Simple nephrectomy	14
End To End Urethroplasty	14	Partial nephrectomy	7
Anterior lay open	-	RPLND	14
Progressive perineal urethroplasty	16	Graft urethroplasty	11
Urethrocutaneous fistula repair	9	Second stage closure	6
Augmentation Cystoplasty	3	Pyeloplasty	5
Adrenalectomy	3	Ureterolithotomy/Cystolithotomy	8
VVF repair	26	Pyelolithotomy	3
AUS implantation/Penile prosthesis	5	Chordee correction	5
Perineal urethrostomy	9	Epispadias/Hypospadias	9
Ureteric reimplant	5	Partial penectomy	5
Boari Flap	4	High inguinal orchiectomy	17
		Others	35

***Endourology*: 1168**

Upper tract: 537		**Lower tract: 631**			
PCNL	225	TURP/TUIP/TUEB	118	CLT/PCCLT	42
URS	167	TURBT/Bx/Fulguration	405	PVP	-
RIRS	125	TURED	2	HOLEP	20
Endopyelotomy	-	Ureterocele incision	-	OIU/BNI/ Endodilatation	23
Others	20	DJS/DJR	-	Others	21

***Laparoscopic*: 198**

Radical or cytorecuctive nephrectomy	42	Partial nephrectomy	-
Simple nephrectomy	70	Adrenalectomy	20
Nephroureterctomy	22	Ureterolithotomy	12
Donor nephrectomy (Live related)	5	Diagnostic lap / orchiopexy	12
Pyeloplasty	4	Others	11
Ureteric reimplant	-		

***Robotic*: 179**

Radical prostatectomy	33	Pyeloplasty	41
Inguinal lymph node dissection	7	Ureteric reimplant/	2
Radical cystectomy	7	Boari flap	2
Partial nephrectomy	62	Augmentation cystoplasty	-
RPLND	7	Others	18

***Microsurgery*: 18**

VEA	10	VVA	2	MVL	6
Scrotal exploration	0	TESE	0		

***Local anesthesia procedures:* 599**

DJS/DJR	325	Cystolithotripsy	35
B/L Orchidectomy	49	Circumcision/Frenuloplasty	68
Retrograde pyelography	48	Sclerotherapy	-
Partial Penectomy	-	Cystoscopy	34
High inguinal orchiectomy	10	Nephrostogram	14
Others	16		

Minor OT: 18996

Endoscopic	3005
Open	-
Minor cases	7314
Uroflowmetry	8324
Urodynamic Study	353

ESWL: 845

New cases	247	Old cases	598

Ultrasound Room Procedures: 328

Prostate TRUS biopsy	203	SPC	0	PUC	-
MRI- TRUS Fusion biopsy	59	PCN	0	HIVEC	66
In Bore biopsy	0	USG	-		

NCI Jhajjar OT Surgical Procedures: 449

***Open surgery*: 74**

Radical cystectomy	27	Radical or cytoreductive nephrectomy	7
Radical cystectomy with nephroureterectomy	3	Radical nephrectomy with IVC thrombectomy	1
Partial cystectomy	1	Partial Nephrectomy	1
Salvage cystectomy	-	Radical Nephroureterectomy	-
Ilioinguinal lymph node dissection	5	RPLND	-
High Inguinal Orchiectomy	7	Total /radical penectomy	1
Circumcision/wedge biopsy	2	Partial Penectomy	7
Bilateral orchidectomy	9	Others	3

***Laparoscopic*: 5**

Radical nephrectomy	3
Radical nephroureterectomy	1
Radical cystectomy + nephrectomy + ureterostomy	1

***Endourology*: 369**

TURBT	163
Channel TURP	3
CPE/Clot evacuation/DJ stenting/DJ removal/Others	203

Prostate Biopsy: 1

Finger guided	1
USG guided	-

Trauma Centre OT Surgical Procedures: 30

***Open Surgeries*: 13**

Perineal Urethroplasty	4	Transpubic Urethroplasty	2
Simple Nephrectomy	-	Rectourethral fistula repair	-
Ureteric Injury Repair	-	Genital Injury	-
Bladder Repair	5	Penile fracture	2

***Endourology*: 17**

Cystoscopy	4
Cystolithotripsy	3
Endodilatation± OIU	-
RGP + DJS	10
Others	-

(b) community services/camps etc.

1. Participated in Patient Care Trusts 04 days Free Medical Camp, hosted in Sera Jha Monastic University, Bylakuppe, Mysore- Karnataka from 23-26 July2024 (Dr Sanjay Kumar)
2. Rendered OT services at NZUSI Cares activity at SN Medical College, Agra, June 2024 (Dr Rishi Nayyar)
3. Rendered OT services at NZUSI Cares activity at Swami Vivekanand Health Mission Hospital, Dharmawala, Dehradun, October 2024 (Dr Rishi Nayyar)

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Amlesh Seth delivered "Dr PN Kataria" Memorial Oration of NZUSI, on "Urology and Retroperitoneum", 30 November 2024. External Examiner MCh (Urology) Jaipur, December 2024. He was External Expert for MCh (Urology) examination at Institute of Medicine, Tribhuvan University, Kathmandu, Nepal, January 2025. He was External Examiner MCh (Urology), Saveetha Institute of Medical and Technical Sciences, Thandalam (Chennai), March 2025. He was External Expert, TSEC for the Department of Urology, NEIGRIHMS, Shillong and Subject Expert for Syllabus Review Committee for the post of Assistant Professor (Uro-Oncology), Rajasthan Public Service Commission, Ajmer, January 2025. He was External Expert, Standing selection committee of PGIMER, Chandigarh for the Post of Associate Professor and Additional Professor, Urology, January 2025. He was Chairperson, O.T. Users Committee, Main O.T. (8th floor). He was Chairperson, SET Facility Committee. He was Member- Subject Expert Committee on Urology and Reproduction under DCGI.

Professor Rajeev Kumar was elected as Member, International Committee of Medical Journal Editors (ICMJE). He was Elected as Director, World Association of Medical Editors (WAME). He was Appointed International jury member for Vattikuti Robotic Surgery Awards, Jaipur.

Professor Rishi Nayyar became full member of Urological Association of Asia – full member (03598-1-07) – September 2024. He was Promoted to the grade of Professor, July 2024. He Live surgical international demonstration: 'Robotic partial nephrectomy with firefly' at 44th Congress of the Societe Internationale d'Urologie, October 2024. He is Member-Subject Expert Committee on Urology and Reproduction under DCGI. He was Expert selection committee for Pediatric Urology

at Rajasthan Public service commission. He was Examiner, NBEMS and SJH for DNB/MCh Urology Exams. He was a member of Scientific review committee, SIU. He was Honorary Secretary, NZUSI, November 2023-2025. He was Associate Editor, Indian Journal of Urology. He Helped evolve first-ever Robotic nerve transposition and repair in India for brachial plexus injuries along with plastic surgery department. He is a Member-secretary, Robotics Simulation Training Committee, SET Facility, AIIMS, November 2024.

Professor Brusabhanu Nayak was Examiner/MCh Urology Exams, AIIMS, Jodhpur, JIPMER, Puducherry & RML Lucknow. He was Promoted to the grade of Professor, July 2024. He was Secretary-Elect, Urooncology subsection of USI 2025-2027. He was Member, Robotics Simulation Training Committee, SET Facility, AIIMS, November 2024. He was Expert selection committee for Uro-oncology at Rajasthan Public service commission. He was CPIO for RTI in Department of Urology.

Dr Manoj Kumar was Awarded Hargobind Singh Memorial Travel Fellowship of NZUSI, 34th NZUSICON, November 2024. He was Awarded NZ Got Talent Award of NZUSI, 34th NZUSICON, November 2024. He was Awarded DUSCON Award and Gold Medal for outstanding contribution to basic sciences as applied to Urology, 34th NZUSICON, November 2024. He was Awarded Young member International Travel Support to present paper at EAU 2025 by NZUSI.

Dr Sanjay Kumar founded Stone Lab in the Department Funded by ICMR. He founded MRI -Fusion biopsy training to senior residents of Department of Urology. He was Examiner for NBEMS for Theory and practical examinations of DrNB. He was Invited from ICMR to Review ongoing extramural project Annual Progress Report. He was Awarded "MIUC 2000 National Travel Fellowship - 2025", NZUSI. He was Major Contribution to Commence Renal Transplant Program in Department of Urology.

Dr Sridhar Panaiyadiyan was a Member of Urology subject expert committee to frame SOP for medical treatment of Transgender Persons under DGHS. He was Site visit expert for SBIRI scheme of the department of Biotechnology, Ministry of Science and Technology, implemented under the BIRAC.

VISITING SCIENTIST

Dr Lorentz Klotz, Professor of Uro-oncology, Sunnybrook Hospital, University of Ontario, Canada visited the Department as Infosys chair in Cancer (Oncology) from 10 October to 16 November 2024.

10.1 Cardiothoracic Centre

Chief CT Centre & Professor and Head

Cardiology

Professor and HOD

R Narang

Professors

Sandeep Seth	Nitish Naik	Rakesh Yadav
G. Karthikeyan	Sandeep Singh	Gautam Sharma
Ambuj Roy	S. Ramakrishnan	Saurabh Kr. Gupta

Associate Professors

Neeraj Parakh	Deepti S	Satyavir Yadav

Assistant Professors

Nirmal Ghati	Sourabh Agstam	Aseem Basha M
Lamk Kadiyani	Nayani Makkar	Sumit Kumar
Atit A. Gawalkar	Mohsin Raj	Ankur Handa

Cardiac Anaesthesia and Critical Care

Professor and HOD

Sandeep Chauhan

Professors

Neeti Makhija	Poonam Malhotra	Minati Choudhury
Sambhunath Das	Parag Gharde	Suruchi Hasija
	Arindam Choudhury	

Assistant Professors

Surendra Jangid	Mohit Prakash	Ankita Singh

Department of Cardiac Biochemistry

Professor and Head

Lakshmy Ramakrishnan

Scientists

Manoj Kumar Tembhre	Ransi Ann Abraham

Tech Officer

Rajiv Kumar

Department of Cardio-Thoracic & Vascular Surgery

Professor and Head

AK Bisoi

Professors

V Devagourou	Sachin Talwar
P Rajashekar	Manoj Kumar Sahu

Additional Professors

Sarvesh Pal Singh	Ramesh P. Menon

Associate Professor

Pradeep Ramakrishnan

Assistant Professors

Ummed Singh Dhatterwal	Mayank Yadav	Amitabh Satsangi
Navnita Kisku	Sushma Gayatri	Bharath HV

Department of Cardiovascular Radiology & Endovascular Interventions

Professor and Head

Priya Jagia

Additional Professor

Sanjeev Kumar

Assistant Professors

Niraj Nirmal Pandey

Nuclear Medicine Department

Professor

Chetan D Patel

Stem Cell Facility

Professor and Head

Sujata Mohanty

Blood Transfusion Services

Chief Medical Officer

Anjali Hazarika

Additional Professor

Gopal Patidar

Chief Tech Officers

Bijay Majhi	Gulshan Mehta	Gajendra Singh Chauhan
PS Rajput		Sushma Maken

Cardiac Pathology

Professor and HOD

Ruma Ray

Professor

Sudheer Kumar Arava

Highlights

The Blood Transfusion services of C.N. Centre caters to round the clock transfusion needs of patients admitted in C.N Centre of AIIMS by collecting, processing and providing safe and quality blood and blood components. The activities include both inhouse and outdoor blood collection, blood donor motivation and pre-donation and post-donation counseling, blood component preparation, various serological tests and special procedures like apheresis and therapeutic phlebotomy.

Components like packed red cells, plasma, fresh frozen plasma, platelet rich plasma, platelet concentrate, cryoprecipitate, leucodepleted red cells and platelets are available in adequate nos. at all times. Facility for Apheresis procedures and autologous donation is available. Surplus plasma is being sent for plasma product fractionation. Blood components are subjected to irradiation for heart transplant patiets.

Serological tests performed in the BTS include tests for blood grouping, screening for irregular antibodies, compatibility tests using latest technology like column agglutination and SPRCA assay. Every unit of blood collected is tested for transfusion transmissible infections like Hepatitis B, Hepatitis C, HIV- 1 and 2, syphilis, Malaria. Automation is used in

most of the laboratories in the department for better output and quality. Donor blood samples are also being subjected to NAT (Nucleic Acid Amplification test) screening as an additional screening test to detect HIV/HCV/HBV and thus improve blood safety.

Quality management system is in place for its products like blood and blood components, equipments, processes, and services. The BTS also participates in External Quality Assessment Scheme

Haemovigilance, the department participates in the Hamovigilance Programme of India.(HvPI) for both recipient as well as donor haemovigilance on a regular basis.

Computerisation of the Blood Bank procedures through e-blood bank software module by NIC, for real time data generation and integration with the HIS is in place.

Cardiac Anaesthesia and Critical Care

Dr Sandeep Chauhan took over as Chief of the cardiac Centre from Professor Balram Bhargava w.e.f 5 April 2025. Dr Neeti Makhija has been appointed as Head of the Department of Cardiac Anaesthesia & Critical Care, AIIMS, on 13 April 2024, which she took over on 15 April 2024, as 14 April being a Sunday. Three new Adhoc faculty joined the department as Assistant Professor (Adhoc) in Feb-March 2025, Dr. Surendra Jangid, Dr. Mohit Prakash and Dr. Ankita Singh. Dr Neeti Makhija is a highly experienced and skilled physician who has held various positions in various medical institutions. She has conducted interviews for the position of Assistant Professor in Cardiac Anaesthesiology in two government medical colleges, served as an internal examiner for Paediatric Cardiac Anaesthesiology Exit Exam at AIIMS, New Delhi, and moderated question papers for various institutes. She has also served as a teacher for NBE and moderator for academic sessions. Dr Poonam Malhotra Kapoor received the National Award of Excellence in Cardiac Anesthesia, Critical Care & ECMO on the occasion of National Consensus on Bisoprolol in CVD in Women: New Frontiers (NCBC, W-2024). She is currently the President of SCA-Delhi and NCR Branch for a term of 5 years and is the Chief Education Director of TSS fellowships in FICCC, FIECMO & FIECHO and Cardio-diabetes. She is also the Chief Editor of TCCC (Textbook of Cardiac Critical Care) and a Fellow of the International Society of Cardiovascular Ultrasound: 2024-25. Dr Minati Choudhury was a faculty member at Royal University Hospital Liverpool, UK. She is an associate editor of the Journal of Neonatal Critical Care and Anaesthesia. She has also served as an external expert in meetings of the Indian College of Anaesthesiologists. She is involved in teaching and training BSc OT technician students and clinical teaching and training of DM and PG students. She has also set up question papers for various exams, and has been an external examiner for various exams. Choudhury has also served as a course director for TEE and has contributed to several exams as an external examiner.

Cardiac Pathology

- Working to develop a sudden cardiac death registry in INDIA with collaboration from the forensic department
- Developed a routine diagnosis and follow-up of all cardiomyopathy and cardiac amyloidosis patients, including family screening, early detection and health education
- Setting up of Molecular cardiology

Cardiology

- In the years 2024-2025, the Department of Cardiology catered to nearly 1,09,000 outpatient visits. Over 6600 patients underwent interventional procedures, including angioplasty, pacemakers, transcatheter aortic/mitral/ pulmonary valve implantations, device implantations, and balloon valvoplasties.
- During this period, the Department participated in several research projects studying patients across a broad spectrum of cardiac diseases. Important publications relating to STEMI, hypertension, heart failure, rheumatic heart disease, and congenital heart disease were published in high-impact scientific journals. The faculty were part of many important international and national meetings. The department's faculties are part of major cardiology journals, including the Open Heart, Indian Heart Journal, Annals of Pediatric Cardiology, and JPCS. Various faculty members were part of important committees.
- In addition to patient care, research, and teaching, the Department was involved significantly in furthering the academic discourse in cardiology in the country. Faculty members from the Department have been elected to executive positions in the national and regional cardiology bodies and have helped refocus on the academic agenda.

Department of Cardiac Biochemistry

The department is actively engaged in diagnostics and research. In diagnostics we cater to inpatients and outpatients of CT Center as well as to other departments and institutes for specialized investigations. As a major highlight, the laboratory has received accreditation from NABL (National Accreditation Board for Testing and Calibration Laboratories) due to the concerted effort of all the staff of Cardiac Biochemistry. The faculty and scientists of the department are actively engaged in research and have 7 extramural grants from ICMR and other agencies. 15 publications have resulted from the research efforts of the department.

Department of Cardio- Thoracic and Vascular Surgery

Between 1 April 2024, and 31 March 2025, the Department of Cardio-Thoracic and Vascular Surgery (CTVS) has been dedicated to delivering exceptional patient care, advancing teaching, and spearheading research in the field of Cardiothoracic and Vascular surgery. We have successfully performed various cardiac surgical procedures on approximately 3487 patients, including a significant number of pediatric cases under one year of age through the JSSK scheme of the Govt of India.

Our multidisciplinary team has been diligently working on the transplant program, and the implementation of ECMO protocols has enabled us to manage more intricate cardiac defects surgically. In collaboration with the Department of Cardiology, we have admitted and treated numerous patients of all ages in the CTVS wards, addressing both inpatient and outpatient needs. The outpatient services have attended to a considerable number of new and old cases, ensuring comprehensive care for all.

Our departmental faculty has actively participated in webinars, delivered invited lectures at various conferences, and presented papers online. In total, 65 invited lectures and papers were delivered, and we have had numerous publications in esteemed national and international peer-reviewed journals.

Steps Taken to Improve Patient Care Activities:

To further enhance patient care, we have renovated the CTVS ICU A and B, increasing the number of beds and providing additional space for machinery, equipment, and accessories.

Looking ahead, we have outlined several initiatives for the year:

1. Strengthen the heart and lung transplant program.
2. Increase the number of operation theatres by two.
3. Initiate hybrid aortic interventions in CTVS OT.
4. Advance Minimally Invasive Cardiac Surgery.
5. Introduce VATS (Video Assisted Thoracic Surgery).
6. Restart the MSc (Perfusion) Course.

Department of Cardiovascular Radiology & Endovascular Interventions

- The department has successfully conducted two day long dedicated Symposium in Vascular Interventional Radiology on 14 and 15 December 2024 at AIIMS, New Delhiunder aegis of SIGT & CVREF foundation at SET Facility, AIIMS, New Delhi which was well attended by more than 100 delegates.
- The Department has been awarded First prize at 69th Institute day exhibition (25 September 2024) at poster competition “Innovations in Health care and medical education”
- The faculty of the department delivered lectures at various National and International Scientific Meetings.
- The faculties are members of Editorial Boards and Reviewers for numerous Scientific Journals.
- 7 DM students were enrolled in the department in last 3 years
- The departmental faculty members have been running Research Projects and Thesis. They published various Research Papers in various peer reviewed international journals. Papers were presented at an international meeting. In addition, Chapters were published in books (As detailed below)
- The department continues to provide Cardiovascular Imaging and Vascular Interventional treatment services to patients referred from various specialty departments in the hospital (As detailed below)

Nuclear Medicine Department

Nuclear Medicine in Cardiothoracic Centre (CTC) performs diagnostic nuclear cardiology procedures. The unit is equipped with recently installed dedicated cardiac CZT camera for cardiac SPECT imaging for assessment of myocardial perfusion in management of patients with coronary artery diseases. PET studies for evaluation of myocardial viability and infective/ inflammatory cardiomyopathies are also routinely performed.

Post graduate students pursuing MD degree in Nuclear Medicine are posted on rotational basis and are trained in nuclear cardiology diagnostic procedures which involve performing stress protocols, interpretation and reporting of patient studies. Students pursuing MSc. Nuclear Medicine Technology courses are also trained on technical aspects of nuclear cardiology procedures including acquisition and processing of patient studies.

I am also involved in thesis or research paper work of 18 MD, PhD and MSc. (Nuclear Medicine Technology) students. We are part of multinational project titled *"Transthyretin Amyloid Cardiomyopathy study (iTAC study)"* which will evaluate the role of Tc99m-PYP in diagnosis of cardiac amyloidosis. The project is funded by International Atomic Energy Agency, Austria. I am also Chief Investigator in international multi–center research project titled "*International study on imaging in Cardio-Oncology Study (iCOS)*", funded by International Atomic Energy Agency, Austria.

Stem Cell Facility

The Stem Cell Facility is dedicated to providing innovative & state of the art patient care services using stem cells & regenerative medicine. With dedication &significant focus on basic, pre-clinical, and clinical research. Currently, the Facility is involved in 20 active projects supported by funding agencies: DBT, ICMR, DST and DHR. In terms of personnel, the Facility boasts a committed team comprising three Ph.D. research scholars, five MD and DM students, and seven trainees pursuing their degrees/training, alongside five scientists engaged in government-funded projects. This year, the Facility has published 14 research articles in prestigious peer-reviewed journals. Dr. Sujata Mohanty has shared her research outcomes at numerous scientific forums, including 17 national and two international event. She serves on the editorial boards of 5esteemed international scientific journals, including Journal of Extracellular Biology, Scientific Reports, Translational Surgery, Current Trends in Stem Cells and Regenerative Medicine, and Insights in Stem Cells. She is also an active participant & member of various international and national scientific organizations, such as the International Society for Cellular Therapy, the International Society for Stem Cell Research, the International Society of Biological Chemist, The Indian Science Congress, The Indian Immunological Society, and the International Society of Extracellular Vesicles (ISEV). She is member of the Board of Director ISEV. She is the Founder President of the Indian Society for Exctracellular Vesicles (InSEV) and was the Convenner&OrganisingSecretoory of the InSEV Inaugural Conference EVOLVE-2025. Furthermore, her team has successfully organized three workshops on stem cell and tissue engineering.

Education

CMEs/Workshops/Symposia/National and International Conferences:

NIL

Lectures delivered at CMEs, National and International Conferences:

Lectures delivered: 105

Anjali Hazarika: 4	**Poonam Malhotra Kapoor: 70**	**Neeti Makhija: 8**
Minati Choudhury: 14	**Sambhunath Das: 3**	**Suruchi Hasija: 1**
Arindam Choudhury: 1	**Surendra Jangid: 1**	**Mohit Prakash: 1**
Ankita Singh: 2		

Anjali Hazarika

1. Practical issues in Blood Grouping-Panelist, CME on Advanced ABO & Rh Phenotyping, 9 April 2024, ILBS, Delhi
2. Rational Use of Blood Component and Haemovigilance, National Workshop on Haemovigilance, Donor Vigilance &Voluntary Blood Donation, 14 June 2024, NIB, NOIDA, UP
3. Enhancing Blood Safety Strategies and Best Practices for Quaity Control in TTI Lab-Panelist, CME on Quality Control Practices in Blood Centres, 30 August 2024, GTB Hospital & UCMS, Delhi
4. Autologous Blood Donation and Intra-operative Blood Salvage, BloodCon-2024, 19 October 2024, NIB, NOIDA, UP

Cardiac Anaesthesia and Critical Care

CMEs/Workshops/Symposia/National and International Conferences

1. Online session on Basic and Advanced Echocardiography organized by Dr. Poonam Malhotra Kapoor, 6 April 2024, New Delhi
2. Online One-month Certificate Course on Cardio Diabetes under SCA-Delhi & NCR Branch, 7-28 June 2024, New Delhi
3. Online One-month Certificate Course on Patient Blood Management under The Simulation Society, 6 September-5 October 2024, New Delhi
4. Online Webinar on Updates on Extracorporeal Membrane Oxygenation, 14 December 2024, New Delhi

Neeti Makhija

1. Delivered a lecture on "Assessment of Aortic Valve", Learning Echocardiography Sunday Breakfast TEE & Critical Care Echocardiography online Session in Forum of Cardiac Anaesthesiologist in collaboration with Indian Association of Cardiovascular-Thoracic Surgeons (IACTS) and Indian Collage of Anaesthesiologist (ICA), 7 April 2024, New Delhi
2. Moderated a scientific session: Ultrasound Physics, knobology, image optimization, artifacts and pitfalls., 11th Basic adult & Pediatric Transthoracic Echocardiography with POCUS workshop organized by the, Department of Anaesthesia & Intensive Care, Postgraduate Institute of Medical Education & Research, Chandigarh under the ageis of Society of Transesophageal Echocardiography (STE)., 5-6 October 2024, Chandigarh
2. Moderated a scientific session: Basic TTE Views: Indication, acquisition & interpretation, 11th Basic adult & Pediatric Transthoracic Echocardiography with POCUS workshop organized by the, Department of Anaesthesia & Intensive Care, Postgraduate Institute of Medical Education & Research, Chandigarh under the ageis of Society of Transesophageal Echocardiography (STE)., 5-6 October 2024, Chandigarh
2. Moderated a scientific session: Doppler Echocardiography & Hemodynamics calculations, 11th Basic adult & Pediatric Transthoracic Echocardiography with POCUS workshop organized by the, Department of Anaesthesia & Intensive Care, Postgraduate Institute of Medical Education & Research, Chandigarh under the ageis of Society of Transesophageal Echocardiography (STE), 5-6 October 2024, Chandigarh
3. Conducted a workshop on TTE views with the following: Apical view for normal valve assessment/Simpsons for EF & cardiac output calculations, 11th Basic adult & Pediatric Transthoracic Echocardiography with POCUS workshop organized by the, Department of Anaesthesia & Intensive Care, Postgraduate Institute of Medical Education & Research, Chandigarh under the ageis of Society of Transesophageal Echocardiography (STE), 5-6 October 2024, Chandigarh
3. Conducted a workshop on TTE views with the following: Aortic Stenosis, 11th Basic adult & Pediatric Transthoracic Echocardiography with POCUS workshop organized by the, Department of Anaesthesia & Intensive Care, Postgraduate Institute of Medical Education & Research, Chandigarh under the ageis of Society of Transesophageal Echocardiography (STE)., 5-6 October 2024, Chandigarh
4. Moderated a lecture on "Hypoplastic Left Heart Syndrome" as Panelist, NBE Cardiac Anaesthesia webinar session, 17 December 2024, New Delhi, India
5. Moderated a case presentation as panelist on "Constrictive Pericarditis", NBE Cardiac Anaesthesia webinar session, 28 January 2025, New Delhi, India
6. Delivered a lecture on "ECPR – Indian Perespective", 28th Annual Conference of Indian Association of Cardiovascular & Thoracic Anaesthesiologist (IACTA), 20-23 February 2025, Cochin, Kerala
7. Was a panelist for a lecture on "Cardiomyopathies -Anaesthetic Management", NBE Cardiac Anaesthesia webinar session, 25 March 2025, New Delhi, India
8. Delivered a lecture on latest development in Echocardiography "Strain and Speckle Tracking-Techniques, advances and limitations", 19th Annual Workshop on Perioperative and Critical Care Echocardiography, 22-23 March 2025, Jodhpur, AIIMS

Poonam Malhotra Kapoor

1. Lecture on:- Role of simulation in setting up on ECMO unit, ECMO Conference NH, 6 April 2024, Narayana Hrudayalaya Bangalore
2. Chairing in a SWAACELSO session, SWAACELSO, 12 April 2024, New Delhi
3. Lecture on:- TTE Views, TSS Webinar, 5th Module in ECHO, 14 April 2024, New Delhi
4. Chaired a session on Heart Failure and ECMO, WINCARS, 14 April 2024, New Delhi
5. Lecture on:- Endogenous, heparinoids; what to suspect and management, Infection in liver disease- ILBS, 14 April, New Delhi
6. Lecture on: - Anticoagulation in ECMO with heparin alternatives, EUROELSO, 25 April 2024, Krakow, Poland
7. Chaired a session on "Evidence for ECMO in adult cardiac failure", EUROELSO, 25 April 2024, Krakow, Poland
8. Guest Lecture on:- ECPR in resources limited environments, EUROELSO, 26 April 2024, Krakow, Poland
9. Chaired a session on "Tips and tricks in devices and technology in ECMO", EUROELSO, 26 April 2024, Krakow, Poland

10. Chaired a session on “Holistic cardio-renal-metabolic care in type 2 DM”, MCRMC-HFW 2024, 19 May 2024, IIC Hall, Lodi Estate, New Delhi
11. Chaired a session on “HFpEF and left Atriopathy: Advances in SGLT2i Navigation in Women”, MCRMC-HFW 2024, 19 May 2024, IIC Hall, Lodi Estate, New Delhi
12. Chaired a session on “Trans catheter Valve therapy in 2024”, MCRMC-HFW 2024, 19 May 2024, IIC Hall, Lodi Estate, New Delhi
13. Lecture on:- “American Heart Association And American Academy Of Pediatrics Focused Update on Neonatal Resuscitation”, CLIRNET, 24 May 2024, New Delhi
14. Lecture on: - “Preoperative Assessment in Cardiac Transplantation: Men vs Women?”, PINK Heart Conference 2024, 15 June 2024, Bhopal
15. ECMO workshop speaker on:- “Bleeding vs thrombosis on ECMO Case Scenarios” on ECMO simulator showed 8 case Scenarios hypertension and bleeding hypoxia on VA ECMO etc, EUROASIA ISCCM 2024, 21 June 2024, Bengaluru
16. Moderated a hands on session on “Methods to unload the Left ventricle” with simulated case scenarios on ECMO live monitor., EUROASIA ISCCM 2024, 21 June 2024, Bengaluru
17. Lecture on:- Strategies for anticoagulation management in adult ECMO patients, EUROASIA ISCCM 2024, 21 June 2024, Bengaluru
18. Moderated a session on “TEE Quantification of aortic Stenosis & Aortic Regurgitation, ICA 2024, 30 June 2024, New Delhi
19. Lecture on:- ECHO FOR RENAL CELL CARCINOMA EXTENDING ON TO RA,, 13 August 2024, AIIMS, NEW DELHI
20. Lecture on:- “Echocardiography in ECMO”, 9th International &18th National (TEE) Workshop & CME, 23 August 2024, New Delhi (Offline Cancelled due to RG College Strike)
21. External Examiner, DrNB Cardiac Anesthesia, 14 September 2024, Mohali, Punjab
22. Moderated a session on “SWAACELSO Bylaws”, SWAACELSO, 20 September 2024, New Delhi
23. Lecture on Affordable ECMO circuits, ELSO 2024, 29 September 2024, Detroit, USA
24. Moderated a session on Platelet function and ECMO, ELSO 2024, 29 September 2024, Detroit, USA
25. Attended ELSO executive committee meeting as SWAACELSO, ELSO 2024, 29 September 2024, Detroit, USA
26. Lecture on Advanced Hemodynamic monitoring in ECMO, TEE Workshop 2024, 2 October 2024, New Delhi
27. Lecture on Anticoagulation in ECMO, ESOI 2024, 2 October 2024, New Delhi
28. Session on ECMO infections in ICU, SWAACELSO, 4 October 2024, New Delhi
29. Lecture on Management of VV ECMO, GICS 2024, 17-18 October 2024, Bangalore
30. Lecture on Management of VA ECMO, CZ – ISACON 2024, 24-27 October 2024, Orchha, Madhya Pradesh
31. Lecture on:- RV Systolic Function, 1st Odisha TTE/TEE Workshop Cum CME, 8-9 November 2024, Bhubaneshwar Odisha
32. Lecture on:- Assessment of RV function, tricuspid and pulmonary valve, 1st Odisha TTE/TEE Workshop Cum CME, 8-9 November 2024, Bhubaneshwar Odisha
33. Lecture on:- Bisoprolol in Hypertension in Women, NCBC, W-2024, 17 November 2024, New Delhi
34. Panelist on:- Shock in a post cardiac surgery, ISSCM Webinar, 29 November 2024, New Delhi
35. Session on:- Making ECMO work when resources are scare, ECMO CON 2024, 29-1 December 2024, Nagpur, Maharashtra
36. Lecture on: - Bleeding Patient on ECMO; What to do with anticoagulation?, ECMO CON 2024, 29-1 December 2024, Nagpur, Maharashtra
37. External Examiner DM Cardiac Anesthesia, DM Cardiac Anesthesia, 5-6 December 2024, SCTIMST, Trivendrum
38. Chairing a session on:- Mechanical Circulatory Support & Heart Transplant, ECHOCONF 12th Comprehensive Perioperative Echo Workshop & CME, 7 December 2024, Medanta, Gurugram
39. Internal Examiner DM Cardiac Anesthesia, DM Cardiac Anesthesia, 10-11 December 2024, AIIMS, New Delhi
40. Global Consultation, WHO CONSULTATION, 8 January 2025, New Delhi

41. Examiner / Faculty Invite, 3rd Practical Refresher Course, 11-12 January 2025, Ahmedabad, Gujrat
42. Panel Discussion on:- ECMO infections, 6th Infection WG Meeting, 15 January 2025, 7.30 PM, New Delhi
43. Panel Discussion on: Early Mobilization in ECMO, ELSO, 21 January 2025, 1-2 AM, New Delhi
44. Discussion on SwaacElso Bylaws, SWAACELSO, 21 January 2025, 7:30 PM,
45. Panel Discussion on:- Cardiac Output Monitoring The Future is Today, BJORN IBSEN MEMORIAL ORATION 2025, VMMC, 29 January 2025, 7 PM Onwards, India Habitat Centre, New Delhi
46. Pre Conference Sessions, ELSACON, 30-31 January 2025, 4.30 pm to 9.30 pm, New Delhi
47. Panel Discussion on ECMO, CC25 - ECMO, 4 February 2025, New Delhi
48. SwaacElso Steering Committee Meeting, SWAACELSO, 5 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
49. Moderated a Plenary Session on "Global Perspectives", SWAACELSO 2025, 6 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
50. Moderated a session on "Best Oral presentations", SWAACELSO 2025, 7 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
51. Moderated a session on "ECMO Beyond Routine - ECMO in tropical diseases", SWAACELSO 2025, 7 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
52. Judge for a session on "Poster Presentation", SWAACELSO 2025, 7 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
53. Judge for a session on "Poster Presentation", SWAACELSO 2025, 8 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
54. Delivered a lecture on "SWAACELSO COUNTRY UPDATES: INDIAN CHAPTER?", SWAACELSO 2025, 8 February 2025, Conrad Etihad Towers, Abu Dhabi, UAE
55. Moderated a case-based session on "Discussion on "Pulmonary Edema following MICS", NBEMS Webinar, 11 February 2025, New Delhi
56. Lecture on:- The Editorial Process: as an Editor, Leadership Workshop PSO Philippines Society, 16 February 2025 07:00 AM, New Delhi
57. Lecture on:- The Peer Review Process (Editors Point of View), Leadership Workshop PSO Philippines Society, 16 February 2025 07:20 AM, New Delhi
58. Moderated a Scientific meeting on "Early mobilization guidelines", ELSO 2025, 19 February 2025, New Delhi
59. Delivered a lecture on VA ECMO in acute cardiac failure, IACTACON 2025, 21 February 2025, Cochin, Kerala
60. Panel Discussion on: - Balancing hearts and home; Women in cardiac anesthesia Equal? Better? Or different?, IACTACON 2025, 22 February 2025, Cochin, Kerala
61. Lecture on "ECMO over the years-where we stand today? Analysis from ELSO Database", CRITICARE 2025, 6 March 2025, Kochi, Kerala
62. Lecture on "Strategies for Anticoagulation management in adult ECMO patients", CRITICARE 2025, 6 March 2025, Kochi, Kerala
63. "Case Based discussion- ECMO Simulation Scenarios & management", CRITICARE 2025, 6 March 2025, Kochi, Kerala
64. Chaired a session on "Acute Respiratory Distress Syndrome: New frontiers", CRITICARE 2025, 7 March 2025, Kochi, Kerala
65. Delivered a lecture on: ECMO in Critical Care; Where are we today?, CLINICON 2025, 11 March 2025, Moolchand, Delhi
66. Moderated a Scientific meeting on "Early mobilization guidelines: UPDATES", ELSO 2025, 20 March 2025, New Delhi
68. Lecture "TEE Echocardiography- Basics Views", AACCT 2025, 6 March 2025, Trauma Centre, AIIMS
69. Lecture on "ECMO for Beginners", RSACPON 2025, 28-29 March 2025, AIIMS, Bhatinda
70. Lecture on "Mechanical Circulatory Algorithm for managing Cardiogenic shock", WCC 2025, 30 March 2025, DELHI

Minati Choudhury

1. Sequential segmental analysis of congenital heart disease, Webinar ICA, [on-line], January 2024, Bengaluru, Narayana Hridayalay
2. Anaesthesia for congenital cyanotic heart disease, Webinar ICA, [on-line], January 2024, Bengaluru, Narayana Hridayalay
3. Anaesthesia for congenital Acyanotic heart disease, Webinar ICA, [on-line], January 2024, Bengaluru, Narayana Hridayalay
4. Moderate Pro-Con session on "Circle breathing system should be used in neonates", 3rd National Conference of Neonatal Society of Anaesthesia, New Delhi, 27-28 July 2024, New Delhi
5. Moderate Pro-Con session on "2. Circle breathing system should not be used in neonates", 3rd National Conference of Neonatal Society of Anaesthesia, New Delhi, 27-28 July 2024, New Delhi
6. Moderate Pro-Con session on "3. Cuffed endotracheal tube is the safest option in neonates", 3rd National Conference of Neonatal Society of Anaesthesia, New Delhi, 27-28 July 2024, New Delhi
7. Moderate Pro-Con session on "4. Cuffed endotracheal tube is not the safest option in neonates", 3rd National Conference of Neonatal Society of Anaesthesia, New Delhi, 27-28 July 2024, New Delhi
8. Moderate Pro-Con session on "5. Opioid free anaesthesia is feasible in neonates", 3rd National Conference of Neonatal Society of Anaesthesia, New Delhi, 27-28 July 2024, New Delhi
9. Moderate Pro-Con session on "6. Opioid free anaesthesia is never feasible in neonates", 3rd National Conference of Neonatal Society of Anaesthesia, New Delhi, 27-28 July 2024, New Delhi
10. Severe mitral stenosis:what else to look for?, 19th Perioperative Transesophageal Echocardiography Workshop, AIIMS, Jodhpur, 22-23 March 2025, Jodhpur
11. Mitral regurgitation:TEE assessment, 19th Perioperative Transesophageal Echocardiography Workshop, AIIMS, Jodhpur, 22-23 March 2025, Jodhpur
12. Aortic stenosis and aorta, 19th Perioperative Transesophageal Echocardiography Workshop, AIIMS, Jodhpur, 22-23 March 2025, Jodhpur
13. Assessment of aortic regurgitation, 19th Perioperative Transesophageal Echocardiography Workshop, AIIMS, Jodhpur, 22-23 March 2025, Jodhpur
14. Porcine heart dissection, 19th Perioperative Transesophageal Echocardiography Workshop, AIIMS, Jodhpur, 22-23 March 2025, Jodhpur

Sambhunath Das

1. Basics of Physics of Echocardiography, 18th National & 9th International Transoesophageal Echocardiography (TEE) workshop under the banner of Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA) in collaboration with International Society of Cardiovascular Ultrasound (ISCU), Indian Academy of Echocardiography (IAE), and University of Minnesota, 21 August 2024, New Delhi
2. Conducted a Faculty hands on training on "Echocardiography for Anesthesiologists", 1st Cloud Scan Workshop at Cloud 9 hospital, 18 January 2025, Gurugram
3. Coronary artery disease with Carotid artery disease: Coronary first Or Carotid First Or combined?, IACTACON 2025, on 20-23 February 2025, Cochin, India

Suruchi Hasija

1. CPB physiology, Open heart surgery, CABG management and beating heart surgery. AlIMS, MD Anaesthesia teaching programme, 25 October 2024, New Delhi, New Delhi,

Arindam Choudhury

1. 'Invasive and non-invasive cardiac output measurement', hemodynamic monitoring workshop' as a pre-conference hands-on workshop ISACON 2024 (Delhi Chapter), 28-29 September 2024, Sir Ganga Ram Hospital, Old Rajinder Nagar, New Delhi

Surendra Jangid

Joined on 19 February 2025. Ex-DM students of AIIMS with good clinical skills

Mohit Prakash

1. Tutorial on CPB physiology, Open heart surgery, CAB management & beating heart surgery, Department of Anesthesiology, Pain Medicine, and Critical Care, 25 October 2024, Department of Anesthesiology, Pain Medicine, and Critical Care, AIIMS, New Delhi

Ankita Singh

1. Anaesthesia for CABG, New Delhi Post Graduate Assembly 2024, 29 July 2024, GIPMER, New Delhi
2. Drugs in ICU, Continuing Nursing Education, 5 March 2025, GIPMER, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023–2024	2024–2025
308	200	101

List of oral papers/posters presented International: 5

1. Airan Ritu, Kapoor Poonam Malhotra, Challenge For The Perfusionist, When Not Well Equipped, AIIMS Perfusion Scientific Meeting, 13 August 2024, Set Facility, AIIMS, Delhi
2. Airan Ritu, Kapoor Poonam Malhotra, Chowdury Ujjwal, Low flow VA ECMO; ECMO Experience, Perfusion Conference 2025, 22 February 2025, Delhi
3. Choudhury Arindam, Presented a paper titled "Right atrial strain as a method for assessing pulmonary arterial hypertension in patient with valvar heart disease", International Anaesthesia Research Society (IARS) Annual Meeting 2025, 20-23 March 2025, Honolulu, Hawaii, USA
4. Kapoor Poonam Malhotra, Mujahid Omer Mujahid, Do Platelet Function Tests And Its Correlation With Fibtem Affects Outcome Measures In Patiens Undergoing veno Arterial Ecmo?, ELSO Annual Conference 2024, 29 September 2024, Detroit, USA
5. KG Krithika, Choudhury Minati, Chauhan Sandeep, Choudhury Arindam, Krishnan Rama, A comparative study to evaluate the pre and post operative electrocardiographic and echocardiographic changes in children with tetralogy of fallot undergoing modified Blalock Taussig Thomas shunt procedure, IACTACON 2025, 20-23 February, Cochin

Cardiac Pathology

CMEs/Workshops/Symposia/National and International Conferences:

Lectures delivered at CMEs, National and International C

Sudheer Kumar A: 6

Sudheer Kumar A

1. Verrucous Proliferation of the Skin, APCON 2024, 11-15 December 2024, SBC Medical College, Cuttack. Odisha
2. Fibrosis in heart failure, Cardiovascular Research Convergence 2024, 26-28 October 2024, NIPER AIIMS, Guwahati Assam
3. Invited guest lecture, 27 Annual meeting of DSI, 3-5 January 2024, GIMS, Vizag
4. Cardiac Allograft Vasculopathy(CAV)- Role of Endomyocardial Biopsy, INSHLT 2024, 18-20 October 2024, Club Babylon & Sheraton Convention Centre, Ahmedabad, Gujarat

4. Panel Discussion: Interesting cases of Lung Transplant Biopsy and Endomyocardial biopsy, INSHLT 2024, 18-20 October 2024, Club Babylon & Sheraton Convention Centre, Ahmedabad, Gujarat
5. Scientific poster presentation, 5th Edition of Cardiology World Conference CARDIO 2024, 5-7 September 2024, Rafaelhoteles Atocha, Madrid, Spain
6. Transplant Pathology Meeting, Dr V Ramalingaswami Oration and transplant Pathology Meeting-2024, 31 July 2024, ILBS, New Delhi

Total number of lectures delivered:

Name of faculty	2022-23	2023-2024	2024-25
Dr Sudheer Arava	3	7	6

Cardiology

The Department of Cardiology is involved in the education and training of undergraduate and postgraduate students. The daily online academic activities include journal club, mortality meeting, CATH conferences, short and long seminars, debates, clinical case discussions, and spotters by faculty.

CMEs/Workshops/Symposia/National and International Conferences

Current perspective in PH diagnosis and management, AIIMS, 20 April 2025, New Delhi

1st International Conference at CIMR AIIMS (Advances in Integrative Medicine, AIM 2025, Ancient Inspiration, Modern Medicine), AIIMS, 7-8 March 2025, New Delhi

Lectures delivered at CMEs, National and International Conferences

1. Advanced Therapeutics in HF, Annual Meeting of International Society for Heart Research (Indian Section), 22-23 March 2025, Chennai
2. HCM Case Gene Therapy and HF Cases Exotica, 11th Annual Conference of Heart Failure Association of India, 7-9 February 2025, Kerala
3. Mitral Valve TEER, Conference on Sentient Summit 2025 at JW Marriott Prestige Golfshire, 16-18 January 2025, Karnataka
4. Heart Failure: Current Concepts Advanced Heart Failure Management Heart Transplant – Pre and Post Management, 76th Annual Conference 2024 of Cardiology Society of India, 7-8 December 2024, Lucknow
5. Participate in scientific contribution in the field of Cardiology in a plenary session Attend the Convocation in NAMS, 64th National Academy of Medical Sciences Annual Scientific Conference and Convocation (NAMSCON 2024), 23 November 2024, Jodhpur
6. Prevention to treatment of cardiovascular disease and integrative approaches, Conference of Cardiovascular Research Convergence 2024, 26-27 October 2024, Guwahati
7. Panel discussion related to Surveillance and Diagnosis of Heart Transplant Rejections - EMBs, DSA, Liquid Biopsy, and CMRI Lecture on Challenges and Mitigating Patient Monitoring Post Heart Transplant – Role of Remote Patient Monitoring/Electronic Registry, Annual meeting of Indian Society for Heart and Lung Transplantation 2024 (INSHLT), 18-20 October 2024, New Delhi
8. Advanced Heart Failure, 2nd Udaipur Heart Congress, 31 August-1 September 2024, Rajasthan
9. Advanced & Worsening Heart Failure, Conference of 7th Cardiac Summit, 2924, 3 August 2024, Rajasthan
10. Poster on Cardiac complication in Childhood cancer survivors, 3rd International Symposium on Late Complications after Childhood Cancer (ISLCCC) 2024, 27-29 June 2024, Lucerne
11. Team leader and Winner of the Heart Failure Quiz Championship 2024, Participate in the Scientific Programme for the Heart Failure Congress 2024, 11-14 May 2024, Lisbon
12. Education of Health Professional's, Partnership of Education of Health Professional's (PEP) Partner's Workshop 2.0, 10-11 April 2024, New Delhi
13. Heart Failure Perspective of Global South(India), CAPTURE HFpEF meeting, 22-23 April 2024, Copenhagen
14. Are we putting Indian ASCVD patients at higher risk for CV events if we follow American or European lipid guidelines?, 75th Year Celebration of CSI, 21-23 June 2024, Kolkata
15. An implementation research study on developing a high quality patient centric integrated model for emergency care systems in selected districts of India" (INDIA-EMS) systems in 5 districts of selected States in the Country., State level Interaction and Project Review Meeting, 2 August 2024, Bhubaneshwar
16. Overview of Cardiometabolic Disease in South Asia, ACC Asia 2024, 16-18 August 2024, New Delhi
17. Telemedicine in Health promotion prevention and Lifestyle Management, 20th International Conference of Telemedicine Society of India (TSI) TELEMEDICON 2024, 28 November 2024, Chandigarh

18. Elected Member and invitee to Attend Annual Session, 94th Annual Session of The National Academy of Sciences, India (NASI), Awarded fellowship, 1-2 December 2024, Bhopal
19. Understanding the Hemodynamics of Cyanotic Physiologies & Development and Feasibility testing of a Highly Anti-Inflammatory Indian - Adapted Mediterranean Diet for Coronary Artery Disease Patients, 76th Annual Conference of the Cardiological Society of India, 7-8 December 2024, Lucknow
20. Trial Design of risk factors for Gestational diabetes and Preeclampsia, Trial design for cardiometabolic risk factors in gestational diabetes and preeclampsia across European and Indian cohorts, 28-30 January 2025, Copenhagen
21. Artificial intelligence in medicine: Pros and Cons, Annual Conference of ISHR Indian Section, 21-23 March 2025, Chennai
22. Moderated Poster presentation- Development Feasibility Testing of a Highly Anti-Inflammatory Indian-Adapted Mediterranean Diet for Coronary Artery Disease Patients, American College of Cardiology- Chicago, 29-31 March 2025, Chicago
23. Management of Hypertension Beyond 3 drugs, 17th Annual Best of ACC 2024, 8 May 2024, Bengaluru
24. Cardiac research – How to plan and do it How to write a research grant., CSI NIC Midterm Meeting, 5-6 July 2024, Chennai
25. ROLE: SPEAKER Percutaneous management of Valvular Heart Disease: Present scenario ROLE: QUIZ MASTER MEDICAL QUIZ FOR STUDENTS ROLE: SPEAKER Choice and duration of anti-platelets after PCI in ACS, Update in Cardiovascular Diseases (UCD) 2024, 3 August 2024, Kolkata
26. Residual Risk: How Do We Assess And Manage?, Cardiology Update Conference (CURE-2024), 25 August 2024, Chennai
27. Approach to Mitral Valve Disease, Udaipur Cardiology Congress, 31st August – 1 September 2024, Udaipur
28. Chronic RHD in India, 30th Annual conference of Indian Association of Clinical Medicine IACMCON 2024 (Oration) I was also awarded Fellow of Indian Association of Clinical Medicine., 29 September 2024, Udaipur
29. PMC Site visit to ICMR-DHC CoE at IIT Madras, PMC Site visit to ICMR-DHC CoE at IIT Madras, 4 October 2024, Chennai
30. Approach to a patient of valvular heart disease, Cardiological Society of India PG track programme, 5 October 2024, New Delhi
31. Chairperson: Session Name: Boot Camp: Boot camp for cardiology trainees Speaker: Session Name: Congenital heart disease Diagnosis and management of Eisenmenger disease: Is there a role for PAH pharmacotherapy? Session Name: Quiz for DM / DNB trainees: Role: Quiz Master Cardio-Bee: The quiz, CARDICON 2024 (Bihar chapter), 20 October 2024, Patna
32. Participate in panel discussion related to cardiac disorder., Cardiovascular Research Convergence 2024, 26-27 October 2024, Guwahati
33. Chairperson: Chairperson for Dr. Shabana Shanavas's lec- ture on "Percutaneous Pulmonary Valve Replacement: Recent Advances" during the Pulmonary Valve Symposium, Invited Lecture: Lecture in the GUCH session of the Cardiology Breakout on the topic "The GUCH Dilemma: Where Do They Belong?", 24th Annual Conference of the Pediatric Cardiac Society of India, 16-17 November 2024, Kochi
34. Role: As Chairperson, Update Your Knowledge in Congenital Heart Disease: Unusual Cases, PG Track - Short Case - Valvular Heart Disease, All India Quiz Contest Final, Role: As Speaker, Takayasu's Arteritis (Non-specific Aortoarteritis) in Children, RSOV Device Closure: Update, 76th Annual Conference of the Cardiological Society of India, 6-7 December 2024, Lucknow
35. Presenting scientific papers, Efficacy of intravenous iron therapy compared to usual treatment in iron deficient adult cyanotic congenital heart disease patients for improvement in clinical outcomes at three months – A Randomized Controlled Study, Metoprolol therapy in patients with Eisenmenger syndrome (MINES) study. A single- center, double-blinded, randomized, placebo-controlled trial, Outcome in patients with left to right shunts and pulmonary arterial hypertension undergoing operability assessment by acute vasodilator testing with oxygen, Case Report, Postoperative residual PAH in a child with ASD - A Diagnostic odyssey, PVRI 2025: Embracing Heterogeneity, 29 January-1 February 2025, Rio de Janerio
36. RV function – Pathophysiology, 11th Annual conference of Heart Failure Association of India (HFAI), 8-9 February 2025, Kochi

37. Approach to cyanotic CHD in adults, DM DNB students academic programme - Face the Examiners 2025 (8th Edition), 22 February 2025, Hyderabad
37. Approach to hemodynamics, DM DNB students academic programme - Face the Examiners 2025 (8th Edition), 22 February 2025, Hyderabad
37. Cynical case discussion, DM DNB students academic programme - Face the Examiners 2025 (8th Edition), 22 February 2025, Hyderabad
38. Perioperative management of cardiac patients undergoing a non-cardiac surgery, METACAD 2025, 23 February 2025, Mussoorie
38. Approach to dyspnea, METACAD 2025, 23 February 2025, Mussoorie
39. Approach to CCHD, CME in clinical cardiology (Speed 2025), 9 March 2025, Bengaluru
39. Hemodynamics spotters, CME in clinical cardiology (Speed 2025), 9 March 2025, Bengaluru
40. New Era in Interventions and CV devices: Indian Perspective, Annual meeting of the ISHR (Indian Section), 21-23 March 2025, Chennai
41. Atrial flow regulator – fulfilling unmet need to expanding horizon, AEPC, 8-11 May 2024, Porto
42. Echocardiography in left-to-right shunt lesions, Pediatric Conference of North India & 7th national conference of IAP medicolegal chapter workshop, 15 September 2024, New Delhi
43. Approach to cyanotic CHD – The devil is in the details, Delhi CSI Masterclass, 5 October 2024, New Delhi
44. Sequential segmental approach to congenital heart disease, 11th basic adult & 2nd pediatric TEE & POCUS workshop, 06 October 2024, Chandigarh
45. Approach to cyanotic CHD – The devil is in the details, RAJCSICON 2024, 9-11 November 2024, Bikaner
46. Horos based virtual dissection of CT angiographic datasets, PCSI 2024, 14-16 November 2024, Kochi
47. Fontan circulation – an overview, CSI 2024, 5-8 December 2024, Lucknow, UP
48. Assorted spotters in cardiology, CSI 2024, 5-8 December 2024, Lucknow, UP
49. Pathobiology of PAH, ISHR Indian section, 21-23 March 2025, Chennai
50. Diagnostic evaluation for common arterial trunk, World University of Pediatric and congenital Heart Surgery webinars, 08 February 2025, Online
51. Diagnostic evaluation of AP window and anomalous origin of PA from Aorta, World University of Pediatric and congenital Heart Surgery webinars, 01 March 2025, Online
52. Hemodynamics of restrictive cardiomyopathy and constrictive pericarditis, CSI Delhi branch annual meeting, 8 March 2025, New Delhi
53. Yoga for Vasovagal syncope, 17th Asia Pacific Heart Rhythm Society (APHRS) Scientific Sessions, 26-29 September 2024, Sydney
54. Atrial Fibrillation: A to Z, 2nd Udaipur Cardiology Congress (UCC), 31 August/1 September 2024, Udaipur
55. Yoga and Heart" at Sri SRIHER, Cardiology Update Conference, 24-25 August 2024, Chennai
56. Prevention of AF, risk factor management and role of Yoga, Jaipur Heart Rhythm Summit, 10-11 August 2024, Jaipur
57. Choice and duration of anti-platelets after PCI in ACS, Update on Cardiovascular Diseases (UCD 2024), 3-4 August 2024, Kolkata
58. Chest X-Ray in Congenital Heart Disease, 76th Annual Conference of the Cardiological Society of India, 5-8 December 2024, Lucknow
59. Clinical Case Presentation, European Society of Cardiology Congress 2024, 30 August 2024, London
60. Management of hypertensive urgencies, ACC Asia Conference 2024, 30 August 2024, New Delhi
61. Management of atrial fibrillation (Session chair), 16th Annual IHRS Conference 2024, 16 November 2024, Kolkata
62. Management of Dyslipidemia, 76th Annual CSI Conference 2024, 8 December 2024, Lucknow

63. Management of Acute Decompensated Heart Failure (ADHF), Sri Sathya Sai Institute of Higher Medical Sciences, Bengaluru, 27 June 2024, Bengaluru
64. Management of ADHF, 39th Annual CSI Delhi Branch Conference 2024, 8 March 2025, New Delhi
65. Management of dyslipidemia, 30th Annual CSI UP Branch Conference 2024, 8 February 2025, Orchha
66. Hypertrophic Cardiomyopathy: What the physician should know?, CSI Delhi 2025, 8 March 2025, New Delhi
67. Optimal consumption of Salt: quantity and type. Does it matter?, CSI Delhi 2025, 30 March 2025, New Delhi
68. Bifurcation coronary lesion - A comprehensive approach, NBEMS DNB 2025, 7 March 2025, Online
69. Interventional management of hypertrophic cardiomyopathy, NBEMS DNB 2024, 30 January 2024, Online
70. Resistant Hypertension, ACC Asia, 16-18 August 2024, New Delhi
71. Heart Break After Transcatheter Mitral Valve Replacement, India valves, 12-14 September 2024, Chennai
72. Transcatheter Pulmonary Valve Implantation with a Custom - made 35mm Myval Transcatheter Heart Valve, India valves, 12-14 September 2024, Chennai
73. Peripartum cardiomyopathy, CSI-Delhi, 8-9 March 2025, New Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
25	33	83

List of oral papers/posters presented International: 14

1. Deepti S, Clinical Case Corner (Complications): Tuberculous empyema necessitans presenting as pacemaker pocket abscess., European Heart Rhythm Association Congress, 2025, 31 March 2025, Vienna
2. Deepti S, Clinical Case Corner (Supraventricular Tachycardia): Myocardial tuberculosis presenting as atrial flutter., European Heart Rhythm Association Congress, 2025, 31 March 2025, Vienna
3. Deepti S, EHRA tracings (Devices): A case of failure to capture with back up pulses creating an interesting spike after spike pattern, European Heart Rhythm Association Congress, 2025, 30 March 2025, Vienna
4. Gupta SK, Clarifying the morphology of congenitally corrected transposition of great arteries (Oral Presentation), AEPC, 8-11 May 2024, Porto
5. Gupta SK, Effect of home-based exercise training on the functional capacity of patients with Fontan circulation (Moderated Poster), AEPC, 8-11 May 2024, Porto
6. Gupta SK, Safety and efficacy of transvenous only approach in comparison to standard approach for patent ductus arteriosus device closure (Oral Presentation, ACC Asia 2024, 16-18 August 2024, New Delhi
7. Gupta SK, Safety and efficacy of transvenous only approach in comparison to standard approach for patent ductus arteriosus device closure (Poster Presentation), ACC 2025, 29-31 March 2025, Chicago
8. Gupta SK, Transcatheter device closure of ruptured sinus of Valsalva: Change in practice from transesophageal to transthoracic echocardiography (Poster), PICS 2024, 4-7 September 2024, San Diego
9. Ramakrishnan S, Efficacy of intravenous iron therapy compared to usual treatment in iron deficient adult cyanotic congenital heart disease patients for improvement in clinical outcomes at three months – A Randomized Controlled Study, PVRI 2025: Embracing Heterogeneity, 29 January -1 February 2025, Rio de Janerio
10. Ramakrishnan S, Metoprolol therapy in patients with Eisenmenger syndrome (MINES) study. A single- center, double-blinded, randomized, placebo-controlled trial, PVRI 2025: Embracing Heterogeneity, 29 January-1 February 2025, Rio de Janerio
11. Ramakrishnan S, Outcome in patients with left to right shunts and pulmonary arterial hypertension undergoing operability assessment by acute vasodilator testing with oxygen, PVRI 2025: Embracing Heterogeneity, 29 January -1 February 2025, Rio de Janerio
12. Roy A, ACC
13. Yadav S, Clinical Case, European Society of Cardiology Congress 2024, 30 August 2024, London

14. Yadav S, Management of hypertensive urgencies, ACC Asia Conference 2024, 30 August 2024, New Delhi

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024–2025
Oral/poster	2	5	14

Cardiac Biochemistry

Lecture Delivered: 15

Manoj Kumar Tembhre: 2 **Ransi Ann Abraham: 1**

Sachin Talwar: 4 **P. Rajashekar: 1** **Sarvesh Pal Singh: 4**

Amitabh Satsangi: 2 **Ummed Singh: 1**

Manoj Kumar Tembhre

1. Neutrophil extracellular trap in atherosclerosis, International Society of Heart Research (ISHR), Indian Section (Annual meeting of ISHR, Indian Section)., 21-23 March 2025, IIT-Madras
2. Genomics (Whole Exome sequencing) in cardiovascular diseases: Scope and challenges, Virtual Seminar (CME) (Organized by Academy of Scientific and Innovative Research (AcSIR) & Head of PhD Research Programs, MSMAIR, Max Healthcare, New Delhi), 11 January 2025, New Delhi (NCR)

Ransi Ann Abraham

1. "Risk Management", CME, 02 May 2024, Online

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
6	9	4

List of oral papers/posters presented: 4

1. Kalaivani Mani 1* Singh Yashpal 2, Varhlunchhungi 1, Chitralok Hemraj 1, Gupta Sanjeev Kumar 1, Malhotra Sumit 1, Ramakrishnan Lakshmy 1, Ann Abraham Ransi 1, Kumar Marwaha, Marwaha Raman Kumar 3, Arora Monika 4, Rawal Tina l5, Sinha Aditi 1, Khan Maroof Ahmad 1, Tandon Nikhil 1, Secular trends in the prevalence of overweight and obesity from 2006 to 2022 among public and private school children and adolescents aged 6, Oesitas conference 2025, 2 March 2025, Delhi
2. Tembhre Manoj Kumar, Ojha Vanshika, Gupta Vishal (*Corresponding author), Alarmin S100A exacerbates the Neutrophil extracellular trap formation in active untreated psoriasis by activating Fc receptors, Global Immunology Summit-2025 (Theme: Emerging Frontiers in Immunobiology and Immunotherapy)., February13-15 February, 2025., M. K. Bhan Auditorium, THSTI (Translational Health Science and Technology Institute), Faridabad.
3. Tembhre Shipra, MK Tembhre* (*Corresponding author), IL33 signaling in cardiomyocytes and its association with mitochondrial biogenesis as a causative factor for dilated cardiomyopathy progression in mice model, International Society of Heart Research (ISHR), Indian Section (Annual meeting of ISHR, Indian Section)., March21-23 March, 2025, IIT-Madras
4. Tembhre Priyanka Solanki, MK Tembhre *. (*Corresponding author), Reduction in peripheral B-Lymphocytes sub- population is associated with disease severity in Rheumatic Heart Disease., International Society of Heart Research (ISHR), Indian Section (Annual meeting of ISHR, Indian Section)., March21-23 March, 2025, IIT-Madras

ORAL/POSTER OVER PAST 3 YEARS: 4

2022–2023	2023–2024	2024–2025
7	3	4

Department of Cardio- Thoracic &Vascular Surgery

Lecture Delivered: 21

V. Devagourou: 9	**Sachin Talwar: 4**	**P. Rajashekar: 1**
Sarvesh Pal Singh: 4	**Amitabh Satsangi:2**	**Ummed Singh: 1**

V Devagourou

1. "Mitral Annular Calcification- how to tackle", IACTS Technocollege CME 2024, 19-21 April 2024, Kottayam, Kerala
2. "Mitral Valve Repair in Children with acquired Heard Disease", first International Conference on Pediatric Heart Valve Repairs, 19-20 July 2024, Muddenahalli, Bangalore
3. Backbench Repair of Donor Heart, 5th Annual Conference of INSHLT & SFHFT-2024, 18-20 October 2024, Ahmadabad
4. TGA / VSD / LVOTO: Strategies and Outcomes, 32nd Annual Congress the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA) 2024 24th Annual Scientific Meeting of the Malaysian Association for Thoracic and Cardiovascular Surgery (MATCVS) 2024, 21-24 November 2024, Shangri-La Hotel Kuala Lumpur
5. Acute Type A Dissection, How Much is Enough, 32nd Annual Congress the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA) 2024 24th Annual Scientific Meeting of the Malaysian Association for Thoracic and Cardiovascular Surgery (MATCVS) 2024, 21-24 November 2024, Shangri-La Hotel Kuala Lumpur
6. "Surgical Trechniques of Avsd Repair and Results", Annual Scientific Meeting 2024 of Association of Thoracic & Cardiovascular Surgeons of West Bengal, 21-22 December 2024, VIVANTA, Kolkata
7. Ïnternventional Cardiology and Cardiolvascular Surgery, Rajkumari Amrit Kaur College of Nursing, 21 January 2025, Lajpat Nagar
8. MV Repair in Children and Young Adults, 71st Annual Conference of the Indian Association of Cardiovascular & Thoracic Surgeons (IACTSCON 2025), 20-23 February 2025, Hotel Pullman-Novotel, Aerocity, New Delhi
8. Ebstein's Repair in Small Infants and Young Children, 71st Annual Conference of the Indian Association of Cardiovascular & Thoracic Surgeons (IACTSCON 2025), 20-23 February 2025, Hotel Pullman-Novotel, Aerocity, New Delhi
8. Emergency Arterial switch operation rescue therapy for life threatening hypoxemia, 71st Annual Conference of the Indian Association of Cardiovascular & Thoracic Surgeons (IACTSCON 2025), 20-23 February 2025, Hotel Pullman-Novotel, Aerocity, New Delhi
8. Valve sparing root replacement in children with connective tissue disorders, 71st Annual Conference of the Indian Association of Cardiovascular & Thoracic Surgeons (IACTSCON 2025), 20-23 February 2025, Hotel Pullman-Novotel, Aerocity, New Delhi
9. cardiovascular thoracic surgery in the IACTS SCORE 2025: A Hybrid Learning Experience, Sri Madhusudan Sai Institute of Medical Sciences and Research [SMSIMSR], 1-2 March 2025., Muddenahalli, Bangalore

Sachin Talwar

1. "Attrition before Fontan vs creating a bad Fontan: The Dilemma", 71st Annual Conference of the Indian Association of Cardiovascular & Thoracic Surgeons (IACTSCON 2025), 20-23 February 2025., New Delhi
2. "Antegrade Flow in Glenn: Yes or No?", 24th Annual National Conference of the Peadiatric Cardiac Society of Indian (PCSI), 15-17 November 2024, Kochi
3. "AV Valve repair in post- Glenn patients", First International Conference on Pediatric Heart Valve Repairs, 19-20 July 2024, Bangalore
4. "Evalution in type of Fontan circuits: advantages and disadvantages", IACTS Technocollege CME 2024, 19-21 April 2024, Kottayam, Kerala

P Rajashekar

1. Navigating the Canals-Two Patch Technique, XXII International Congress on Management of Cardiovascular Disease, 25-26 October 2024, Kathmandu

Sarvesh Pal Singh

1. "Attrition before Fontan vs creating a bad Fontan: The Dilemma", 71st Annual Conference of the Indian Association of Cardiovascular & Thoracic Surgeons (IACTSCON 2025), 20-23 February 2025, New Delhi
2. "Antegrade Flow in Glenn: Yes or No?", 24th Annual National Conference of the Peadiatric Cardiac Society of Indian (PCSI), 15-17 November 2024, Kochi
3. "AV Valve repair in post- Glenn patients", First International Conference on Pediatric Heart Valve Repairs, 19-20 July 2024, Bangalore
4. "Evalution in type of Fontan circuits: advantages and disadvantages", IACTS Technocollege CME 2024, 19-21 April 2024, Kottayam, Kerala

Amitabh Satsangi

1. Current status of pediatric cardiac surgery, 14th Annual Global conference on integrated approach for comprehensive management of cardiovascular and thoracic disease, 18 September 2024, Chandigarh, Tricity.
2. Cardiovascular benefits – Yoga vs GYM, Cardiomersion 2024.

Ummed Singh

1. ICU management of post palliative surgery in univentricular patients, 1st International Nursing Conference on Paediatric Cardiac Intensive Care, 2 February 2025, Sai Institute of Medical Sciences and research, Muddenahalli, Karnataka.

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
9	10	21

List of oral papers/posters presented: 5

1. Bisoi AK, Satsangi Amitabh, Surgical repair in co-existing transposition of the great arteries with infracardiac obstructed total anomalous pulmonary venous connection, IACTSCON 2025, 21 February 2025, New Delhi
2. Chittimuri Chaitanya, Satsangi Amitabh, Clinicopathological study and long term surgical results of right atrial masses, IACTSCON 2024, February 08-11 February, 2024, BHUBANESHWAR, INDIA
3. Satsangi Amitabh, Jha Pratik, Technique of homograft harvesting, IACTSCON 2024, February 08-11 February, 2024, BHUBANESHWAR, INDIA
4. Satsangi Amitabh, Partial AVSD with cor-triatrium sinister with unroofed coronary sinus in an adult: successful surgical repair, WSPCHS 2024, 7-8 JUNEJune, 2024, BOLOGNA, ITALY
5. Talwar Sachin, Satsangi Amitabh, Novel technique of adjustable pulmonary artery banding, IACTSCON 2024, February 08-11 February, 2024, Bhubaneshwar, India

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
		5

Department. of Cardiovascular Radiology & Endovascular Interventions

Teaching:

Training:

- Training of Junior and Senior Radiology Residents, Senior Residents in Cardiology, CTVS and Cardiac Anaesthesia, and External observers in Techniques of Cardiovascular Imaging and Vascular Interventions

CMEs/Workshops/Symposia/National and International Conferences Organized by the Department

The department has successfully conducted two day long **dedicated Symposium in Vascular Interventional Radiology on 14 & 15 December 2024 at AIIMS, New Delhi** under the aegis of SIGT & CVREF foundation at SET Facility, AIIMS, New Delhi which was well attended by more than 100 delegates.

Lectures delivered at CMEs, National and International Conferences:

Lectures Delivered: 66

Priya Jagia: 24 **Sanjeev Kumar: 19**

Niraj Nirmal Pandey: 16 **Vineeta Ojha: 7**

Priya Jagia

1. As Chairperson for CME: "Image-Guided Therapies Incorporating", 2nd Alumni Meeting of SIGT, 20 April 2024, Gurugram, Haryana
2. As Faculty Assessment of myocardial viability- when & how?, 75 years of Cardiology Society of India organised by CSI-West Bengal (CSI-WB) Branch, 22 June 2024, Kolkata
3. As Faculty, lectured delivered: Cardiac Infections, Society of Cardiovascular Computed Tomography's 19th Annual Scientific Meeting (SCCT-2024), 18-21 July 2024, Washington, DC USA
4. As a Panelist in a session on Fenestrated aortic stant graft, Chip India 2024 Innovations – Coronary Structural Peripheral, 4 August 2024, New Delhi
5. As Moderator: Session 6 CMR: Cardiac Perfusion As Panelists: Session 8: How to Run a Successful CMR Program, Foundation of CMR Level I Virtual Course IACI & SCMR Certification Course, 11 August 2024, Online
6. As Chairperson: Two sessions on PVD Management & Hemoptysis – Endovascular Management, Annual CME by Delhi State Chapter of Indian Society of Vascular & Interventional Radiology (ISVIR), 25 August 2024, New Delhi
7. Convener for 8 CME every Thursday online for 2 months, IRIA/ ICRI Teaching Programme, Every Thursday in September-October 2024, Online
8. As Chairperson: Coronary Artery Calcium Score: Indian Scenario, Lipid association of India, APSAVD CONGRESS 2024, 8 September 2024, New Delhi
9. Speaker: Aortic infections and aneurysms: Role of imaging Chaired "Special Session on Cardiac MR – SCMR" Judge for the oral papers presentation, 14th Annual National Conference Indian Association of Cardiac Imaging (IACI), 4-5 October 2024, Ahmedabad
10. Speaker: Imaging and Interventions in Inflammatory Aortic Diseases, ISVIR Masterclass Aortic Intervention Series, 20 October 2024, Online
11. Speaker: Vascular Interventions in Children, North Zone Pedicon & Harcon 2024, 9 November 2024, Faridabad, Haryana
12. Speaker: Diagnosing renovascular hypertension, ISPNCON 2024, 6 December 2024, New Delhi
13. Speaker: CT Coronary Angiography: Principles, Techniques and Clinical Applications, 76th Annual Conference of Cardiology Society of India, 8 December 2024, Lucknow, U.P.
14. Speaker: Basics of Vascular IR / Understanding various vascular access for Vascular IR, Symposium in Vascular Interventional Radiology, 14 December 2024, AIIMS, New Delhi
15. Speaker: Lower Extremity Arterial Diseases (LEAD) / Popliteal diseases How I do it, Symposium in Vascular Interventional Radiology, 14 December 2024, AIIMS, New Delhi
16. Chairperson: Lower Extremity Arterial Diseases (LEAD), Symposium in Vascular Interventional Radiology, 14 December 2024, AIIMS, New Delhi
17. Speaker: Aortic Intervention in Dissection / Aneurysm/Imaging algorithm in AAS, Symposium in Vascular Interventional Radiology, 15 December 2024, AIIMS, New Delhi
18. Chairperson: Advisory Board Meeting for drafting Indian Consensus/Guidelines for management of Aortic diseases in India, 16th Asia Pacific Vascular Intervention Course and Aorta India Meeting, 20 December 2024, New Delhi
19. Chairperson: The Indian Consensus Statement for the Management of Lower Extremity Peripheral Artery Diseases Panel Discussion, 16th Asia Pacific Vascular Intervention Course and Aorta India Meeting, 21 December 2024, New Delhi
20. Moderator: Mapping and Non-ischemic heart disease II, SCMR 28th Annual Scientific Sessions, 29 January 2025, Washington, USA

21. Speaker: Navigating Professional Growth and Personal Balance in CMR Career, SCMR 28th Annual Scientific Sessions, 30 January 2025, Washington, USA
22. Speaker: Imaging and interventions in Aortitis, Annual meeting of Indian Society of Vascular & Interventional Radiology (ISVIR) – 2025, 6 February 2025, Kochi, Kerala
23. Speaker: Interactive Case based discussion with resident (congenital heart disease), 5th AIIMS-MAMC-PGI Imaging Series, 23 March 2025, New Delhi
24. Speaker: MR requirements in Cardiac Radiology, 32nd Foundation Day & Workshop on Indigenous Development of MR Scanner and other Medical Devices for Viksit Bharat, 25 March 2025, AIIMS, New Delhi.

Sanjeev Kumar

1. Future of aortic intervention, SIGT CME, 20 April 2024, Gurugram
2. Endovascular strategies in lower limb pad, Save the limb CME, 2 July 2024, Safdarjung Hospital, Delhi
3. Endovascular Solutions across the joint in PAD, Intervention Radiology CME 2024 GUJ-IR, 20-21 July 2024, Rajkot, Gujrat
4. Endovascular management of Pulmonary embolism, Intervention Radiology CME 2024 GUJ-IR, 20-21 July 2024, Rajkot, Gujrat
5. A complex case of type b aortic dissection, ISVIR midterm meeting, 2-4 August 2024, Aurangabad Maharashtra
6. Endovascular management in type b dissection, ISVIR Junior wing masterclass, 10 October 2024, Online
7. Genicular artery embolization -Tips and tricks, CIRCON 24, 26 October 2024, Bangalore
8. Evolving endovascular treatment in acute PE, SPECTRUM 2024, 8-10November 2024, Mumbai
9. Anticoagulation management during vascular IR procedures, Symposium on vascular interventional Radiology, 14 December 2024, AIIMS, Delhi
10. Basics of Endovascular intervention in type b aortic dissection, Symposium on vascular interventional Radiology, 15 December 2024, AIIMS, Delhi
11. My ten commandments in Endovascular management of pulmonary embolism, Symposium on vascular interventional Radiology, 15 December 2024, AIIMS, Delhi
12. Role of atherectomy devices in management of PAD, Vascular access society – CIDAPP 2024, 20-21 December 2024, Gurugram
13. Endovascular management of varicose veins, ISVIR/IRIA outreach CME, 10-11 January 2025, Patna, AIIMS
14. LEAD endovascular management, ISVIR/IRIA outreach CME, 10-11 January 2025, Patna, AIIMS
15. Master speak- Case based IR management, IRIA/AOCR 2025, 26 January 2025, Chennai
16. Indication for management of IMH/PAU, ISVIR 2025, 6 February 2025, Kochi
17. Management algorithm in PTS, ISVIR 2025, 7 February 2025, Kochi
18. Turf war erosion in IR and solutions, ISVIR 2025, 8 February 2025, Kochi
19. Patient preparation in IR, ISVIR Chandigarh/Punjab/HP meet 2025, 29-30 March 2025, PGIMER, Chandigarh

Niraj Nirmal Pandey

1. CT Coronary Angiography: Essentials for a cardiologist, NBEMS webinar in the specialty of Cardiology, 5 April 2024, Online
2. CT Anatomy of Thoracic Aorta and Branches, Online teaching program of Indian College of Radiology and Imaging, 6 August 2024, Online
3. Chest Radiograph in Cardiac Diseases, NBEMS webinar in the specialty of Cardiology, 16 August 2024, Online
4. Correcting the Inflow - Aortoiliac revascularization, One-Day CME Programme on “Managing PAD: Save the Limb”, 24 August 2024, New Delhi
5. Varicose vein ablation, Annual CME by Delhi State Chapter of ISVIR, 25 August 2024, New Delhi
6. New post-processing tools in CT – uses with case illustrations, Online teaching program of Indian College of Radiology and Imaging, 19 September 2024, Online

7. CT Coronary Calcium score and CTCA: How to integrate in clinical practice, 13th International Congress of Cardiology & Diabetes (ICCD 2024), 10 November 2024, New Delhi
8. CT Coronary Angiography: Interpretation and CAD-RADS, Dr Rajendra Rao CME 2024, 23 November 2024, Chandigarh
9. Fixing Responsibility when AI fails, 110th Scientific Assembly and Annual Meeting of RSNA, 2 December 2024, Chicago, USA
10. Journal Editing and Peer Review in the International Setting, 110th Scientific Assembly and Annual Meeting of RSNA, 3 December 2024, Chicago, USA
11. Homeostasis and closure devices technique, Vascular IR Symposium, 14 December 2024, New Delhi
12. Aorto iliac disease – How I do it?, Vascular IR Symposium, 14 December 2024, New Delhi
13. Venous thromboembolism/DVT – Diagnostic approach and management algorithm, Vascular IR Symposium, 15 December 2024, New Delhi
14. Stem Cell Therapy in No Option CLI, Multi institutional Experience on Advanced Treatment Modalities in Lower Extremity Arterial Disease- LEAD, 8 March 2025, New Delhi
15. Nuclear Cardiology in Inflammation: Where Do We Stand?, 15th Biennial Conference of the Nuclear Cardiological Society of India, NCSICON 2025, 9 March 2025, Faridabad
16. Imaging Ischemic and Non Ischemic Cardiomyopathies, 5th AIIMS-MAMC-PGI Imaging Course Series, 23 March 2025, New Delhi

Vineeta Ojha

1. CMR in heart failure, SCMR Mid Year Meeting 2024, 12 July 2024, Chicago, USA
2. Approach to Chest Pain in women", SERCON 2024, 4 August 2024, Chandigarh
3. Imaging of RV, IACI Annual meeting 2024, 7 October 2024, Ahmedabad
4. Parametric Mapping in CMR, RSNA 2024, 3 December 2024, Chicago, USA
5. Flow Imaging, RSNA 2024, 4 December 2024, Chicago, USA
6. Evidence based guidelines in Pulmonary embolism, CVREF 2024, 14 December 2024, Delhi
7. Diagnostic and management algorithms in peripheral arterial disease", CVREF 2024, 15 December 2024, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
39	**45**	**66**

List of oral papers/posters presented as Author or Co-author: 14

1. Kumar Neeraj, Kumar Sanjeev, Jagia Priya, Manhas Vikrant, Pandey Niraj, Early experience with transarterial embolization for chronic achilles tendinopathy and plantar fasciitis refractory to conservative management (E poster), Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR) 2024, 3-5 May 2024, Bangkok, Thailand
2. Kumar S , Pujitha V, Outcomes of bald arch revascularization in patient of Takayasu's arteritis presenting with neurological symptoms, CIRSE 2024 Annual Congress, 14-18 September 24, Lisbon, Portugal
3. Ojha Vineeta, T1 mapping in CMR (Poster Presentation), RSNA Annual Meeting, 1 December 2024, Chicago, USA
4. NN Pandey, V Pujitha, S Kumar, P. Jagia, Epicardial fat volume predicts obstructive coronary artery disease and major adverse cardiovascular events in patients with "zero" coronary artery calcium score., 110th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 4 December 2024, Chicago, USA
5. Pandey NN, SN Raju, Verma M, Pujitha V, Kumar S, Jagia P., Evaluation of right ventricular deformation in hypertrophic cardiomyopathy patients using 1.5-T cardiovascular magnetic resonance feature tracking, 110th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 4 December 2024, Chicago, USA

6. Ojha Vineeta, Correlation of T2* with Rho/Z in thalassemia (Oral Paper), RSNA Annual Meeting, 5 December 2024, Chicago, USA
7. Singh Damandeep, Pandey Niraj Nirmal, Kumar Sanjeev, Untwisting of a rare bronchial-pulmonary artery channel- Racemose hemangioma, Delhi State Chapter ISVIR Meet, December 2024, Seoul, South Korea
8. Singh Damandeep, Jagia Priya, Pandey Niraj Nirmal, Kumar Sanjeev, Garg Deepali, Uterine artery embolization in adenomyosis refractory to conservative management- Initial Indian experience, AIIMS New Delhi 4th Research Day, January 2025, January 2025, AIIMS, Delhi
9. Vidyalya Pujitha, jagia Priya, Kumar Sanjeev, Pandey Niraj Nirmal, Correlation of intrathoracic fat parameters and extra coronary calcium with the presence and severity of obstructive coronary artery disease, AOCR -IRA 2025, January 2025, Chennai, Tamil Nadu
10. Singh Damandeep, Pandey Niraj Nirmal, Sanjeev Kumar, Garg Deepali, Jagia Priya, Trans arterial uterine artery embolization in adenomyosis: An initial Indian experience (poster), ISVIR 2025 Annual Meeting, February 2025, Kochi Kerala
11. *Mukherjee Aprateem, Pandey Niraj, Kumar Sanjeev, Manhas Vikrant, Oral Paper-Transarterial embolization in adhesive capsulitis, ISVIR 2025, February 2025, Kochi, Kerala
12. Kumar Neeraj, Kumar Sanjeev, Pandey Niraj Nirmal, Manhas Vikrant, Jagia Priya, Poster-Early experience with transarterial embolization for chronic achilles tendinopathy refractory to conservative management, ISVIR, 2024, February 2025, Kochi, Kerala
13. Kumar Neeraj, Kumar Sanjeev, Jagia Priya, Manhas Vikrant, Pandey Niraj, Transarterial embolization for chronic achilles tendinopathy refractory to conservative management, ISVIR 2025 Annual Conference, February 2025, Kochi, Kerala
14. Singh Resham, Kumar Sanjeev, Oral Paper-Safety and efficacy of thyroid artery embolization in nodular goiter, SIR, 2024 Annual Scientific Meet, 23-28 March 2025, Salt Lake City, USA

4.#Correlation of intrathoracic fat parameters and extra coronary calcium with the presence and severity of obstructive coronary artery disease, AOCR IRIA 2025, **(Won GOLD MEDAL prize in Oral presentation)**

6. *Trans arterial embolization in adhesive capsulitis: Intermediate term results from the first study in India, ISVIR 2025 **(WON 3RD PRIZE IN PAPER PRESENTATION).**

Total Number of oral papers/posters presented by all faculty members (Authors and Co Authors):

2022-23	2023-2024	2024-2025
9	21	14

NUCLEAR MEDICINE

CMEs/workshop/Symposia/National & International conference:

None

Lecture delivered at CMEs, National & International Conference

Chetan D Patel

1. Delivered "**Professor R D Lele Oration**"**,** 22nd Annual Association of Nuclear Medicine Physicians of India (ANMPI) Conference, 28 September 2024, Post Graduate Institute of Medical Education & Research, Chandigarh
2. Review of ICOS CRP data entries, Consultancy Meeting, 15 May 2024, IAEA, Vienna, Austria
3. **Chairperson in session on** Nuclear Cardiology, 56th Annual Conference of Society of Nuclear Medicine from, 6 December 2024, Le Meridien Hotel, Coimbatore
4. **Chairperson in session** - "Nuclear Cardiology Status", 15th Biennial Conference of Nuclear Cardiological Society of India, 8 March 2025, Sarvodaya Hospital, Faridabad, Haryana

Total number of lecture delivered

Name of faculty	2021–2022	2022–2023	2023–2024
Chetan D Patel	4	3	2

List of oral papers/poster presented:

None

Stem Cell Facility

S. No	Program	Number of Students
1	MSc	NA
2	Ph.D. (Guide)	04
3	Ph.D. (Co-guide)	07
4	DM & MD	05
5	**Training:**	
	a. Short term	10
	b. Long term	NA

CMEs/Workshops/Symposia/National and International Conferences

1. Workshop on Next Gen Biomaterials for Bioprinting Applications, 20-21 August 2024, AIIMS, New Delhi
2. Comprehensive Workshop on Nanoparticle Tracking Analysis for Extracellular Vesicles and Nanoparticles, 16 October 2024, AIIMS, New Delhi
3. Preconference workshop –Comprehensive Hands On workshop on Isolation and Characterization of Extracellular Vesicles EVOLVE 2025, 22-23 March 2025, AIIMS, New Delhi
4. Inaugural Conference of Indian Society of Extracellular vesicles, EVOLVE 2025, 24-27 March 2025, AIIMS, New Delhi

Lectures delivered at CMEs, National and International Conferences

Stem Cell Facility

Sujata Mohanty

1. Mesenchymal Stem Cell-Derived Extracellular Vesicles: Bridging Immunology & Regenerative Medicine, International Immunology Day, 29 April 2024, ILBS, New Delhi
2. Translational Advances in Stem Cell Biology, CPHMS' CDSCO workshop, 12 July 2024, CDSCO, New Delhi
3. MSC Extracellular Vesicles: Navigating Regenerative Medicine's Therapeutic Landscape, 9th Annual Cell and Gene Therapy Symposium, 3 August 2024, CMC, Vellore
4. Pre-Clinical & Clinical Data Requirements for Regenerative Medicine, 26th Residential Training Program. CDSCO, 6 August 2024, NIHFW, Munirka, CDSCO Head Quarters, New Delhi
5. Extracellular Vesicles in Regenerative Medicine: From Origin to Application, Vesicle Vision 1.0, 16 October 2024, ILBS, New Delhi
6. From Biomaterial Scaffolds to Cell-Free Strategies: Cutting-Edge Approaches in Regenerative Medicine, International Conference on Smart Materials for Sustainable Technology (SMST-2024), 24 October 2024, INST Mohali.
7. Exploring the Synergistic Effects of Stem Cells &Tissue Engineering in Bone Regeneration, International Symposia on Bone Health (ISBH) 2024, 9 November 2024, AIIMS, New Delhi
8. Bioengineered MSC-sEVs: Innovative Strategies for Liver Regeneration, Asia Pacific Societies for Extracellular Vesicles Conference 2024(APSEV2024), 14-16 November Guangzhou, China
9. Bioengineering MSC-EVs Advancing Regenerative Medicine Through Cellular & Vesicular Therapies, ISEVXTECH 2024, 21-24 November Baltimore, Maryland, USA
10. Synergizing Regenerative Medicine and Tissue Engineering: A Cornerstone in Biomedical Innovation, Bioworld Retreat, IIT Delhi, 26-28 November Naukuchiatal, Uttarakhand
11. Exploring the Intersection of Stem Cells & Tissue Engineering, Bioprocessing India 2024, 15-17 December 2024, IIT, Madras

12. From Potential to Practice: MSC sEVs in Tissue Regeneration, Journal of Extracellular Vesicles, 7 January 2025, Online Talk
13. Regulation for Clinical Translation: Stem Cell Research & Translational, The Future Is Here – II: New Frontiers in Ophthalmology, 14-16 January 2025, LV Prasad Eye Institute, Hyderabad
14. Redefining Possibilities: Necessity & Vision of 3D Bioprinting, 3D Bioprinting and Biomedical Applications, 18 January 2025, IIT Delhi
15. Emerging Avenues In Regenerative Medicine And Biomedical Application, Role of Biotechnology in Biological Sciences, 6 February 2025, Miranda House, New Delhi
16. The Synergy of Stem Cells and Extracellular Vesicles: A New Era in Regenerative Medicine, Zoosangam, Delhi Uniersity, 25 February 2025, Bhaskaracharya College of Applied Sciences Dwarka, New Delhi
17. Emerging Therapeutic Strategies & Translational Advances Using Stem Cells for Ocular Diseases, RPC Foundation Day, AIIMS, New Delhi, 8 March 2025, AIIMS, New Delhi
18. Panelist- EV Ride: Navigating the Journey, EVOLVE 2025, 26 March 2025, AIIMS, New Delhi

Total number of lectures delivered

Name of faculty	2022–2023	2023–2024	2024–2025
Prof Sujata Mohanty	10	6	18

List of oral papers/posters presented: 20

1. Arora Surbhi, Tamang Suman, Dash Saumya, Mohanty Sujata, Optimizing Storage Conditions and their Impact on PCL-hAM Scaffold Stability and Bioactivity, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,
2. Dash Saumya, Mohanty Sujata**,** Sahoo Ranjeet, Amniotic membrane and silk microfiber reinforced bioactive material for extracellular vesicle delivery in regenerative medicine, EVOLVE 2025, 24–27 March
3. Dash Saumya, Mohanty Sujata, Sahoo Ranjeet, Novel Bimodal Fluorescent Magnetic Nanoparticle: A Smart Material for Stem Cell-homing and tracking, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025, Commendation- Poster Presentation
4. Dogra Shivani, Biswas Soumi, Mohanty Sujata, 3D-Printed PCL/PU tracheal Scaffolds: A Functional Approach for Translational Medicine & amp;quot; 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,
5. Mahapatra Shruti, Mohanty Sujata, Comparative Appraisal of MSC Sources and Hypoxia Preconditioning for the Isolation of NeuroregenerativesEVs: Paving the way for Advanced Cell-Free Therapeutics for Autism Spectrum Disorders, EVOLVE 2025, 24-27 March 3rd Prize – Poster Presentation
6. Mahapatra Shruti, Mohanty Sujata, Modulating the wound microenvironment via Mesenchymal Stem Cell derived small extracellular vesicles-loaded bioinspired scaffold with potent anti-inflammatory and anti-oxidative properties, EVOLVE 2025, 24-27 March 2nd Prize Poster Presentation
7. Mathew Chippy K, Waghmare Komal, Mohanty Sujata, Novel Amniotic Membrane based Hydrogel with Stem Cell Derived Extracellular Vesicles for Enhanced Skin Tissue Regeneration, EVOLVE 2025, 24-27 March Poster- Appreciation Award
8. Mendiratta Meenakshi, Mendiratta Mohini, Mohanty Sujata, Enhancing the targeting and regenerative efficacy of mesenchymal stem cell-derived small extracellular vesicles via dual modification strategies, ISEV Annual Meeting, 2024, 08-12 May 2024,
9. Mendiratta Meenakshi, Mohanty Sujata, Dual modification strategies to enhance the targeting efficiency of Mesenchymal Stem Cell-Derived small Extracellular Vesicles, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,
10. Mendiratta Meenakshi, Mohanty Sujata, Enhancing the Regenerative and Immunomodulatory Potential of Mesenchymal Stem Cell Derived Extracellular Vesicles Through Apoptotic Induction, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,
11. Mendiratta Mohini, Mohanty Sujata, Next-Gen Therapy: Preconditioned Mesenchymal Stem Cells-derived Cultured Conditioned Media Surpasses MSCs in Healing Acute Graft-versus-Host-Disease, International Society for Cell and Gene Therapy-2024, 09-12 May 2024,

12. Mendiratta Mohini, Mohanty Sujata, Ranjeet Sahoo, Preconditioning Strategies Enhance the Therapeutic Potential of Human Mesenchymal Stem Cells in Acute Graft-Versus-Host Disease, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025, 1st Prize – Poster Presentation
13. Mendiratta Mohini, Mohanty Sujata, Ranjeet Sahoo, Secretome: A Superior Alternative to Mesenchymal Stem Cells in the Management of Acute Graft-Versus-Host Disease, APSEV-2024, 14-16 November
14. Mendiratta Mohini, Mohanty Sujata, Secretome derived from Wharton jelly-mesenchymalstem cells mitigate acute graft-versus-host-disease: impact of hypoxia and apoptosis, (ISEV) 2024, 29 May-1 June 2024,
15. Mohanty Sujata, Mendiratta Meenakshi, Mendiratta Mohini, Gupta Suchi**,** Amplifying the regenerative and immunomodulatory potential of mesenchymal stem cell-derived small extracellular vesicles via apoptotic induction, ISEV Annual Meeting, 2024, 8-12 May 2024,
16. Sharma Aarushi, Mohnaty Sujata, Enhanced Wound Regeneration Using EV enriched secretome based 3D Bioprinted Constructs, EVOLVE 2025, 24-27 March 3rd Prize – Poster Presentation
17. Sharma Aarushi, Sharma Yashvi, Mohanty Sujata, 3D-Bioprinted Immunomodulatory Gelatin Scaffolds: A Novel Approach for Accelerated Skin Wound Healing, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,
18. Sharma Yashvi, Mohanty Sujata, Acellular Innovations in Skin Regeneration: A Synergistic Multi-miRNA based MSC-sEV Formulation, EVOLVE 2025, 24-27 March 1st Prize – Oral Presentation
19. Sharma Yashvi, Mohanty Sujata, Hypoxia primed WJ-MSCs-sEVs exhibit enhanced immunomodulatory & regenerative activity in wound milieu primarily via miR125b-5p/IL-6R axis, ISEV Annual Meeting, 2024, 08-12 May 2024,
20. Sharma Yashvi, Mohanty Sujata, Hypoxia primed WJ-MSCs-sEVs exhibit enhanced immunomodulatory & regenerative activity in wound milieu primarily via miR125b-5p/IL-6R axis, 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,

Tamang Suman, Mohanty Sujata, Designing Nano and Microporous Dual-Pore Scaffold for Osteo-regeneration via 3D Bioprinting and Salt-Leaching Techniques", 4th AIIMS Annual Research Day, 2024, 28-29 January 2025,

Total number of oral/poster presentations

Presentation	2022–2023	2023–2024	2024-2025
Oral/poster	10	18	18

Research

Blood Transfusion Services

Ongoing

1. Defining the Fc receptor based immune landscape in Rheumatoid Heart Disease., Department of Cardiac-Biochemistry, CNC, AIIMS
2. Exploring the potential of Extracellular exosomes derived from Endothelial Colony forming Cells (ECFCs) primed with Mesenchymal Stromal Cells (MSCs) as a cell free therapy for Cardio vascular Diseases (CVDs), Department of Cardiac-Biochemistry, CNC, AIIMS
3. To study the immunomodulatory effect of tumour-derived exosomes on γδ T-cells, Department of Biochemistry, AIIMS
4. A study of immune responses in the pathophysiology of human Chronic Pancreatitis, Department of Biochemistry, AIIMS
5. Evaluation of Mesenchymal Stem Cell derived exosomes on neutrophil –induced tissue damage in the animal models of liver and heart disease, Stem cell Facility, AIIMS
6. Effect of Hyperglycaemia on Macrophage Function in Pathophysiology of Pulmonary TB, Department of Biochemistry, AIIMS
7. Comparing the Vascularising potential of MSCs and MAPCs in monoculture and coculture systems with human OECs under normoxia and hypoxia, Stem cell Facility, AIIMS
8. Study the Potential Role of HLA-G mediated Immunomodulation by Tissue Specific Human Mesenchymal Stem Cells, Stem cell Facility, AIIMS
9. Regulation of HIV Reservoirs through Autophagy, Department of Biochemistry, AIIMS

10. Targeting Telomerase Reverse Transcriptase (TERT) gene to immortalize Peripheral Blood Mononuclear Cells of patients with coronary artery disease, Stem cell Facility, AIIMS
11. Complement factor H (CFH)-related protein 1 (CFHR1) and its role in maintenance of immunological tolerance"., Regional Centre for Biotechnology, Fbd
12. Development of Diagnostics and experimental therapeutics using CRISPR-based technologies, Department of Biochemistry, AIIMS

Cardiac Anaesthesia and Critical Care

Funded projects

Ongoing

1. Patient blood management guidelines in cardiac surgery, Poonam Malhotra Kapoor, JCCC-TSS research Grant, 2 Years, 2024-2026, Rs , 2 Lakhs
2. Relationship between the dynamic trajectory of biomarkers for bleeding, thrombosis and infection in patients on veno-arterial extracorporeal membrane oxygenation and their causal association with ICU mortality., Poonam Malhotra Kapoor, JCCC-TSS Research Grant, 2 Years, 2023-2025, Rs , 2 Lakhs
3. Restrictive transfusion triggers on ECMO, Poonam Malhotra Kapoor, JCCC-TSS Research Grant, 2 Years, 2023-2025, Rs 2 Lakhs
4. Sepsis and haemodynamics monitoring on ECMO, Poonam Malhotra Kapoor, JCCC-TSS Research Grant, 2 Years, 2024-2026, Rs , 2 Lakhs
5. Use of Fibrinogen concentrates and platelet concentrates on ECMO, Poonam Malhotra Kapoor, JCCC-TSS research Grant, 2 Years, 2024-2026, Rs 2 Lakhs

Completed

1. A prospective observational study to make an estimate of Blood and Blood products requirement in corrective congenital Cyanotic heart surgeries, Sandeep Chakraborthy PI: p. Rajshekar Co-PI: Poonam Malhotra Kapoor, AIIMS Department Project, 2 Years, 2022-2024, Rs 2 Lakhs
2. Comparison of del nido cardioplegia solution and Microplegia in paediatric patients undergoing elective Repair of tetralogy of fallot - a prospective, Randomized clinical trial., Jaydeep Malakar, PI: Sachin Talwar Co-PI: Poonam Malhotra Kapoor, JCCC-TSS Research Grant, 2 Years, 2022-2024, Rs 2 Lakhs
3. Correlation of FIBTEM and platelet reactivity in post cardiac surgery patients undergoing ECMO; Using verify Now, Omer Mujahid Poonam Malhotra Kapoor, JCCC-TSS Research Grant, 2 Years, 2022-2024, Rs 2 Lakhs
4. Platelet function study in CABG with ROTEM, PI: Poonam Malhotra Kapoor Co-Investigator: Dr. Minati Choudhury, JCCC-TSS Research Grant, 2 Years, 2022-2024, Rs 2 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Left atrial strain as a predictor of postoperative atrial fibrillation after mitral valve replacement for mitral stenosis- A prospective observational study. (Thesis DM Cardiac Anaesthesia student – Dr. Jijo Francis.
2. Correlation of left atrial Stiffness Index (LASI) with Left Ventricular diastolic dysfunction and outcomes in Aortic Stenosis patients undergoing surgical aortic valve replacement – An Observational Study. (Thesis DM Cardiac Anaesthesia student Dr Gurumurthy S from January 2025 onwards)
3. Clinical utility of Electro cardiometry based parameters in the management of patients with congenital heart diseases undergoing corrective surgery. (Thesis of DM Cardiac Anaesthesia & Critical Care student Dr Rohan Thotan from May 2023 till date)

   Implications of intraoperative right ventricular strain on immediate post-operative outcome after intracardiac repair for Tetralogy of Fallot- A prospective observational cohort study. (Protocol drafting for Thesis of DM Cardiac Anaesthesia & Critical care student Dr. Sumedha Suresh Kumar from March 2025) Comparison of del nido cardioplegia solution and Microplegia in paediatric patients undergoing elective Repair of tetralogy of fallot - a prospective, Randomized clinical trial.
4. Correlation of FIBTEM and platelet reactivity in post cardiac surgery patients undergoing ECMO; Using Verify Now
5. Role of Echo, diaphragmatic and lung ultrasound in ventilator weaning of cardiac surgical children

6. LA strain in predicting AF in patients undergoing mitral valve surgery
7. Comparative study of intrathecal morphine vs. intrathecal buprenorphine for fast-track cardiac anesthesia: a randomized controlled trial.
8. Comparative study of pre and postoperative ECG and echocardiogram of children with TOF undergoing modified BT shunt surgery
9. Role of Echo, diaphragmatic and lung ultrasound in ventilator weaning of cardiac surgical children
10. Interdepartmental: Comparative effect of levosimendan and milrinone on pulmonary artery pressure in pediatric patients undergoing corrective surgery for congenital heart disease with pulmonary hypertension: A randomized double blinded clinical trial (AIIMS intramural research project; Deptt. of Cardiac Critical Care).

Completed

1. A prospective observational study to make An estimate of blood and bl0od products Requirement in corrective congenital Cyanotic heart surgeries.
2. Biomarkers come predicting outcome in DM patients undergoing CABG
3. Biomarkers come predicting outin DM patients undergoing CABG
4. Comparative study of pre and postoperative ECG and echocardiogram of children with TOF undergoing modified BT shunt surgery
5. Comparison of thoracic fluid content in off pump and on pump coronary artery bypass graft surgery by impedance cardiometry
6. Del Nido cardioplegia based BD Glenn surgery with inflammatory markers IL6, IL-18 and TNF α
7. Efficacy of lung ultrasound in predicting postoperative pulmonary complication in infants undergoing open heart surgery
8. Efficacy of lung ultrasound in predicting postoperative pulmonary complication in infants undergoing open heart surgery
9. Efficacy of ropivacaine infiltration by presternal multiorifice catheter for post sternotomy pain relief in pediatric patients undergoing cardiac surgery
10. FLEV & FIBTEM A5 as Point of Care Testing in Cyanotic cardiac children–DM thesis
11. Mechanical vs bioprosthesis in pulmonary position in TOF and corrected TOF
12. Mediastinal mass: Periop management
13. Outcomes in Low flow ECMO–perfusion based project, department of Cardiac Anaesthesia and perfusion, AIIMS
14. Platelet function study in CABG with ROTEM
15. Pulmonary fn in CABG
16. STR-LV fn TEE vs Impedence cardiometry
17. Vitamine D deficiency and cardiac surgery

Collaborative projects

Ongoing

1. 3D ECHO in Right Sided Prosthetic Valve, International Society of Cardiovascular ultrasound with no funding–only observations on ECHO for publication
2. Comparison of conventional reaming technique with reamer irrigator aspirator for hemodynamic, cardiac changes and embolic load during fixation of shaft femur fracture, (ICMR research project; Deptt. of Orthopaedics).
3. Early ECMO Rehabilitation and mobilization in paediatric patients on ECMO, Extracorporeal Life Support Organization (ELSO)
4. ECMO-Central Working Group On Bleeding, Medical University of Innsbruck, Austria
5. Veno-left atrial extracorporeal membrane oxygenation for respiratory failure, (AIIMS collaborative research project; PI: Dr. Sandeep Chauhan)

Cardiac Pathology

Funded

Ongoing

Sudheer Arava

1. Clinicopathological correlation and amyloid subtyping in cases of cardiac amyloidosis: AN observational study, DBT-ICMR, 3 Yyears, 2023-2025, Rs 80 Llakhs
2. Sudden unexplained death in young individuals, ICMR, 2 Yyears, 2023-2025, Rs 1.50 Lakhs
3. To identify the genetic landscape of hypertrophic cardiomyopathy (HCM) in Indian Scenario, ICMR, 3 Yyears, 2024-2027, Rs 1.20 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

Ruma Ray and Dr Sudheer Arava

1. Clinicopathological and radiological features and MIR 21 levels in cases in interstitial lung disease
2. Clinicopathological correlation and amyloid sub-typing in cases of cardiac amyloidosis: An observational study
3. Histopathological study of benign cardiac tumors
4. MYBPC3 mutations in idiopathic cardiomyopathies
5. Sudden cardiac death histopathology and molecular study to identify the cause
6. To evaluate the genetic association in undiagnosed cardiomyopathy patients

Completed

1. A comparative study of efficacy and composition of various cell populations of extracted hair follicle outer root sheath cell suspension prepared using a single enzyme (trypsin) and multiple enzymes (trypsin, collagenase and disease) for transplantation in vitiligo.
2. Histomorphological and clinical study in patients of ENL reactions
3. MYH7 mutations in idiopathic cardiomyopathies

Collaborative projects

Ongoing

1. Association of LOX L2 in cardiac fibrosis, Cardiology. AIIMS
2. Autologous non-cultured dermal cell suspension transplantation in the treatment of facial volume loss, Dermatology, AIIMS
3. Clinicopathological evaluation of viral myocarditis, Cardiology. AIIMS, New Delhi
4. Comparative evaluation of MicroRNA profiling and cytokine profiling analysis in patients with Pulmonary Sarcoidosis and Mediastinal tuberculosis, Pulmonary Medicine, AIIMS
5. Electron microscopic and genetic study in primary ciliary dyskinesia, Pediatric pulmonology, AIIMS, New Delhi
6. Exploring the phenotypic and functional role of γδ T cell subsets and Pattern recognition receptors (PRRs) in the immunopathogenesis of Pemphigus Vulgaris., Pharmacology, AIIMS
7. Study of cardiac markers, gross findings and histopathological Changes in the heart in cases of suspected cardiac death, Forensic Medicine, AIIMS
8. Study of histomorphological, proteomics and collagen in Rheumatic heart valve specimens, CTVS, New Delhi
9. Study of Sesamol in Bleomycin-induced pulmonary toxicity in rats, Pharmacology, AIIMS

RESEARCH OVER THE PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024-25
Total funded projects	4	4	3
Total funding	Rs 200 Lakhs	Rs 300 Lakhs	Rs 350 Lakhs

Cardiology

Funded

Ongoing:

1. A Prospective Cohort Study To Assess Right Atrial and Ventricular Reverse Remodeling After Transcatheter Device Closure In Adult Patients With Atrial Septal Defects, Dr. Nirmal Ghati, AIIMS intramural grant, 2 Years, 2023-2025, Rs 5 Lakhs
2. AI- based 3D visualization of computed tomographic datasets, Dr Saurabh K Gupta, SERB, 4 Years, 2021-2025, Rs 15 Lakhs
3. CardioWatch-India: Safeguarding Young Hearts Through Early Multi-Biomarker Precision Diagnostics for Myocardial Infarction and Cardiovascular Disease, S. Ramakrishnan, ICMR, 3 Years, 2025-2028, Rs 736.09 Lakhs
4. Center for Advanced Research in Pulmonary Hypertension, S. Ramakrishnan, ICMR, 5 Years, 2024-2029, Rs 1163.39 Lakhs
5. COLchicine and Thiamine in Heart Failure due to Ischemic Heart Disease (COLT-HF), Dr. Ambuj Roy, Population Health Research Institute, Canada, 4 Years, 2024-2028, Rs 50 Lakhs
6. Comparison Between Fusion Optimised Intervals (FOI) and Device Automated Algorithms For Reverse Remodelling in Patients Undergoing Cardiac Resynchronisation Therapy (CORRECT-CRT Trial), Dr. Nitish Naik, ICMR, 3 Year, 2025-2028, Rs 414.56 Lakhs
7. Contemporary Outcomes in Cardiac Channelopathies Guided by Genotype and Phenotype Based Management., Dr. Nitish Naik, ICMR, 4 Year, 2021-2026, Rs 116.44 Lakhs
8. Contribution of copy number and sequence variants in cilia and Sonic Hedgehog pathway genes in the formation of AVSD in Down syndrome, Dr. Saurabh K Gupta, ICMR, 5 Years, 2019-2025, Rs 65 Lakhs
9. Digoxin in rheumatic heart disease – Rationale and design of a multi-centre, placebo controlled double blind randomized controlled trial (Dig-RHD trial), G Karthikeyan, ICMR, 4 Years, 2021-2025, Rs 167 Lakhs
10. Effectiveness of Indoor Air Purifiers on Heart Failure outcomes. (The PURI-HF Trial), Dr. Nitish Naik, ICMR, 3 Years, 2024-2027, Rs 104.08 Lakhs
11. Effectiveness of Yoga based Cardiac Rehabilitation (Yoga-CaRe) in Heart Failure: A Randomized Controlled Clinical Trial, Dr. Ambuj Roy, ICMR, 3 Years, 2023-2026, Rs 30 Lakhs
12. Establishing a repository of biological samples for Coronary Artery Disease on a cohort of patients undergoing angiography at a Tertiary Hospital, Dr. Ambuj Roy, ICMR, 3 Years, 2023-2026, Rs 87.13 Lakhs
13. Evaluation of a health system-based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) acute coronary syndrome (ACS) across selected districts of the country- A health implementation research project (ICMR-STEMI-ACT), S. Ramakrishnan, ICMR, 5 Years, 2021-2025, Rs 1382.60 Lakhs
14. Identification and functional validation of candidate microRNA biomarkers in coronary artery disease: An exploratory study, Dr. Ambuj Roy, ICMR, 3 Years-, 2022-2025, Rs 23 Lakhs
15. Impact of Indian Adaptation of Mediterranean Diet versus Low fat diet on Dietary Inflammatory Index in patients with Coronary Artery Disease., Dr. Ambuj Roy, ICMR, 3 Years, 2023-2026, Rs 70.66 Lakhs
16. Influenza vaccine to reduce Cardiovascular Events in patients with recent Myocardial Infarction: a multicentric randomized, double-blind, placebo-controlled trial., Dr. Ambuj Roy, ICMR, 4 Years, 2024-2028, Rs 600 Lakhs
17. National Medical College Network, Dr. Ambuj Roy, Ministry of Health and Family Welfare, Govt of India, 3 Years, 2022-2026, Rs 200 Lakhs per annum
18. Neurodevelopmental outcomes in infants undergoing surgery for congenital heart defects – a prospective multicentre cohort study, Saurabh K Gupta, ICMR, 4 Years, 2021-2025, Rs 22.85 Lakhs
19. NN6018-4914: ATHENA: Effects of Ziltivekimab versus placebo on heart failure symptoms and physical function in patients with heart failure with mildly reduced or reserved ejection fraction and systemic inflammation., Dr. Ambuj Roy, Novo Nordisk, 2 Years, 2024-2026, Rs 35 Lakhs
20. Oral Anticoagulation (Vitamin K antagonist) for Pulmonary Artery Hypertension (PAH) - A Pilot Randomized Control Trial., Satyavir Yadav, ICMR, 3 Years, 2024-2027, Rs 49.48 Lakhs
21. Routine Invasive Vs Ischemia Driven Strategy In Patients With ST-Segment-Elevation Myocardial Infarction Presenting Between 12-72 Hours Of Symptom Onset (LATECOMER TRIAL), S. Ramakrishnan, ICMR, 4 Years, 2024-2028, Rs 769.75 Lakhs

22. To investigate atherosclerotic risk factors related miRNA network regulating the inflammasome pathway in coronary artery disease, Satyavir Yadav, ICMR/DHR, 3 Years, 2024-2027, Rs 34.28 Lakhs
23. To study the role of Natriuretic peptides, NPs (NPPA, NPPB) in hypertensive heart disease and to investigate the effect of MTHFR-NPPB locus (containing both NPPA and NPPB) polymorphism and its epigenetic modifications on cardiovascular risk, Satyavir Yadav, ICMR/DHR, 3 Years, 2024-2027, Rs 71.72 Lakhs

Completed:

1. A global registry to study the demographics, socioeconomic and clinical factors, etiologies, pathophysiology, management, barriers to outcomes of heart failure patients. (G-CHF), Dr. Ambuj Roy, Population Health Research Institute, Canada, 8 Years, 2016-2024, Rs 98 Lakhs
2. An Open Label, Observational, Practice Based, Non-Comparative, Multicenter, Prospective, Active Surveillance To Evaluate The Safety And Tolerability Of Bosentan 62.5mg/125mg Oral Tablets In Patients With Pulmonary Arterial Hypertension (Pah) [Who Group I], S. Ramakrishnan, Cipla Pvt Ltd, 1 Year, 2023-2024, Rs 3.60 Lakhs
3. Developing and testing a collaborative quality improvement (C-QIP) initiative for prevention of cardiovascular disease in India., Dr. Ambuj Roy, National Institute of Health, 5 Years, 2019-2024, Rs 10.05 Lakhs
4. Semaglutide effects on cardiovascular outcomes in people with overweight or obesity. (SELECT), Dr. Ambuj Roy, Novo Nordisk, 5 Years, 2019-2024, Rs 38 Lakhs
5. Treatment optimization for Blood Pressure with Single-Pill combination in India (TOPSPIN)., Dr. Ambuj Roy, Imperial College of London, 2 Years, 2022-2024, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Assessment of degree of LV dyssnchrony by speckle tracking strain imaging in patients with LBBB and preserved EF
2. Assessment of the role of vitamin d levels in the cardioprotective effects of remote ischemic preconditioning in STEMI patients undergoing primary PCI
3. Clinical and electrocardiographic predictors of structural abnormalities on cardiac magnetic resonance imaging in patients with frequent idiopathic ventricular premature contractions
4. Comparison of outcomes between left bundle branch pacing and RV pacing in patients receiving pacemaker therapy
5. Dapagliflozin therapy in patients with Eisenmenger syndrome: a placebo controlled, randomized controlled study
6. Holter abnormalities in STEMI patients post revascularization and risk of sudden cardiac death
7. Implantable cardioverter defibrillator for primary prevention in non-ischemic cardiomyopathy: a retrospective cohort study.
8. Non-invasive Evaluation of Myocardial Work in the Patients of Heart Failure with Preserved Ejection Fraction
9. Performance of different cv risk score in young (<50 yr) vs old Indian stemi patients
10. Predicting functional capacity in patients of heart failure with reduced ejection fraction: The Heart Failure Functional Index (HFI-R)
11. Prevalence and risk factors for Atrial high-rate episodes in patients with CIED
12. RVOT dysfunction in post operative TOF patients
13. Study of association between heavy metal exposure and coronary artery disease
14. To predict improvement in left ventricular function after coronary artery bypass grafting by cardiac MRI in multivessel CAD

Completed

1. “Are there residual flow abnormalities after successful fibrolysis of thrombosed mechanical valves?”
2. Characteristics of atrial functional mitral regurgitation in Indian population
3. Endothelial Progenitor Cells and Platelet Function in Coronary Artery Disease

Collaborative projects

Ongoing

1. Partnership for Education of Health Professionals (PEP): A Novo Nordisk Foundation project to develop a Centre for Excellence in Medical Education at AIIMS (Co-PI), SET Facility, AIIMS
2. The Integrated Tracking, Referral, and Electronic Decision Support, and Care Coordination (I-TREC) Platform (Co-PI), Department of Endocrinology, AIIMS, New Delhi, Emory University, Atlanta, USA

Completed

1. Evaluation of a liposome-based cholesterol efflux assay against a macrophage-based efflux assay for measurement of reverse cholesterol transport capacity of HDL., Department of Biochemistry, AIIMS, New Delhi
2. Identification of delays and barriers to acute cardiac care in NCR, Department of Community medicine, AIIMS, New Delhi

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	15	24	23
Total funding	Rs 4971.75 Lakhs	Rs 3711.63 Lakhs	Rs 8013.04 Lakhs

Department of Cardiac Biochemistry

Funded projects

Ongoing

1. Analysing the expression profile of angiogenesis-related proteins to understand the effect of aging on angiogenesis in geriatric population., Dr. Ransi Ann Abraham, AIIMS Intramural grant, 2 Years, 2022-2024, Rs 10 Lakhs
2. Deciphering the impact of Fcγ receptors on Neutrophil extra-cellular trap (NETs) formation potential of neutrophils in active psoriasis and its psoriasis and its correlation with diseases severity", Dr. Manoj K. Tembhre, ICMR, New Delhi (extramural grant), 3 Years, 2023-2026, Rs 50 Lakhs
3. Defining the role of bee venom derived peptide (BVDP) in regulating the melanin synthesis and melanin transfer in skin: Therapeutic implications in vitiligo, Dr. Manoj K. Tembhre, AIIMS, New Delhi, 2 Years, 2025-2027, Rs 10 Lakhs
4. Defining the whole exome sequencing based genetic determinants in Indian patients with congenital heart diseases, Dr. Manoj K. Tembhre, DHR (ICMR), 3 Years, 2023-2026, Rs 50 Lakhs
5. Diet and Biomarker Survey in India, Dr. R. Lakshmy, ICMR, 2 Years, 2023-2025, Rs 60.17 Lakhs
6. Effect of augmentation of intracellular BH4 levels, by GTPCH-1 gene transfer, on nitric oxide synthase activity, protein levels and dimerization in ECFCs from CAD patients and its effect on ECFC functionality, Dr. R Lakshmy, ICMR, 2 Years, 2023-2025, Rs 43.83 Lakhs
7. Effect of Vitamin D on functionality of Endothelial Colony forming Cells (ECFC) cultured from Coronary Artery Disease patients, Dr R Lakshmy, AIIMS, 1 Year, 2024-2025, Rs 2 Lakhs
8. The development of AI/ML-based pipeline for expediting drug development against ssRNA Viruses" (N-2377), Dr. Manoj K Tembhre, Australian Alumni Grant Scheme, 2 Years, 2023-2025, Rs 11 Lakhs
9. The impact of co-administration of probiotic Bacillus coagulans Unique IS-2 with plant protein on post-prandial protein absorption in young adults, Dr. Ransi Ann Abraham, Unique Biotech, 2 Years, 2023-2025, Rs 20 Lakhs
10. To study the association of circulating Endothelial Progenitor Cells (EPC) with Intrinsic Capacity (IC) in older adults, Dr R Lakshmy, ICMR, 2 Years, 2023-2024, Rs 63.40 Lakhs

Completed

1. Deciphering the mechanism of alarmin-induced necroptosis and its role in immune homeostasis and inflammation in atherosclerosis, Dr Manoj K. Tembhre, DST-SERB (Early career research grant award-Extramural), 3 Years, 2018-2021, Rs 50 Lakhs
2. Defining the role of Neutrophil Extracellular Traps (NETs) in immune regulation and inflammation, Dr Manoj K Tembhre, AIIMS, New Delhi (Intramural grant), 2 Years, 2017-2019, Rs 10 Lakhs

3. Elucidating the role of alarmins in triggering the Neutrophil Extracellular Trap (NETs): Implication in immune regulation and skin homeostasis in psoriasis. (A-862), Dr Manoj K Tembhre, AIIMS, New Delhi (Intramural grant), 2 Years, 2021-2023, Rs 10 Lakhs
4. Elucidating the role of TNIP1, IL2B and NFkBIA and their target microRNA in regulating the inflammation and skin homeostasis in psoriasis. (ICMR-1125) as PI*, Dr Manoj K Tembhre, ICMR, New Delhi (extramural grant), 3 Years, 2019-2022, Rs 45 Lakhs
5. Exploring the potential of Extracellular Vesicles (EVs) derived from Endothelial Colony Forming Cells (ECFCs) primed with Mesenchymal Stromal Cells (MSCs) as a cell-free therapeutic tool for cardiovascular diseases (CVDs), Dr R Lakshmy, ICMR, 3 Years, 2021-2024, Rs 49 Lakhs

Departmental Projects (Including Thesis/Dissertations)

Ongoing

1. Comparison level of Heat shock protein expression on saphenous venous graft preserved in normal saline and preserved in vitro until grafted.
2. Defining the Fcγ receptor-based immune landscape in Rheumatoid Heart Disease
3. Effect of cumulative fluid balance on delirium predicted by CAM-ICU and functional near-infrared spectroscopy (fNIRS) guided mapping of frontal cortex in critically ill patients with septic shock- a prospective observational study.
4. Effect of Vitamin D on functionality of Endothelial Colony-forming Cells (ECFC) cultured from coronary artery disease patients.
5. Elucidating the intricate network of alarmins-autophagy-necroptosis in driving inflammation, immune regulation and cardiac homeostasis in cardiomyopathy
6. Exploring the potential of Extracellular Vesicles (EVs) derived from Endothelial Colony Forming Cells (ECFCs) primed with Mesenchymal Stromal Cells (MSCs) as a cell-free therapeutic tool for cardiovascular diseases (CVDs)
7. Genetic Determinants in Indian Congenital Heart Diseases
8. Therapeutic efficacy of ultra-low dose rituximab in pemphigus vulgaris: a pilot study.
9. Therapeutic potential of extracellular vesicles derived from endothelial colony-forming cell (ECFC-EVs) indirectly primed with mesenchymal stromal cell (MSCs) in a mouse model of hind limb ischemia.
10. To assess the role of copeptin and BNP as biomarkers for heart failure in relation to diffuse interstitial myocardial fibrosis in patients having pure severe aortic stenosis.

Completed

None

Collaborative Projects

Ongoing

1. Development of longitudinal growth reference and assessment of growth velocity cardio metabolic measures and its correlation among children in India A prospective study, Biostatistics
2. Enhancing the translational potential of mesenchymal stem cell-derived extracellular vesicles via multivariate bioengineering strategies, Stem cell
3. Establishing a repository of biological samples for Coronary Artery Disease on a cohort of patients undergoing angiography at a Tertiary Hospital, Cardiology
4. Expression of immune checkpoints in circulation and at maternal-fetal interface and its correlation with whole exome sequencing-based genetic variants in pre-eclampsia patients (IIRP-2023-4778/F1) I-1624, Obstetrics & Gynecology CCRF(Bio-Informative)
5. Impact of Indian Adaptation of Mediterranean Diet versus Low-fat diet on Dietary Inflammatory Index in patients with Coronary Artery Disease, Cardiology
6. Morphological pattern of skin lesions in different complementation groups in children with xeroderma pigmentosum and its correlation with various cutaneous and extra-cutaneous cancers and photoaging, Dermatology & Venereology

7. Prevalence of Sarcopenic obesity in PCOS and efficacy of individualized lifestyle modifications for Sarcopenic obesity treatment: A Matched Case Control and pre-post intervention study., Obstetrics & Gynaecology Endocrinology
8. Validating Biomarker Panel in Five Different Cohorts to Define and Predict Biological Ageing, Disease Burden and Mortality in Human Subjects- A Pilot Prospective Cohort Study, Geriatrics

Completed

1. A Randomized Control Trial to access the effectiveness of Nurse-Led Structured Telephonic Heart Failure Management Programme on selected health related outcome variables at 3 months.
2. Clinical and immunological factors predicting relapse in patients with pemphigus treated with Rituximab: A prospective cohort study.
3. Defining miRNA signatures in vitiligo and skin pigmentation.
4. Exploring the potential of exosomes derived endothelial colony forming cells (ECFCs) primed with mesenchymal stromal cells (MSCs) as a cell free therapy for cardiovascular Diseases (CVDs).
5. Morphological pattern of skin lesions in different complementation groups in children with xeroderma pigmentosum and its correlation with various cutaneous and extra-cutaneous cancers and photoaging.
6. Th2/Th17 inflammatory cytokines modulating filaggrin expression and disease severity in children with atopic dermatitis.

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	10	10	10
Total funding	Rs 351.23 Lakhs	Rs 359.40 Lakhs	Rs 320.40 Lakhs

Department of Cardio-Thoracic and Vascular Surgery

Funded projects

Ongoing

Ummed Singh

1. Change in pulmonary artery pressure in during early postoperative period in infants with pulmonary artery hypertension undergoing corrective surgery for congenital heart disease A prospective observational study, Dr. Ummed Singh, AIIMS New Delhi, 2 Years, 2024-2026, Rs 9.78 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

V Devagourou

1. Rct comparing outcomes of single vs double patch repair of complete Avsd
2. Early and mid-term clinical outcomes post mitral valve repair- an ambispective study

V. Devagpurou

1. Outcomes of ASO in TGA IVS with regressed using 2-stage vs Integrated ECMO - Retrospective observational study
2. Risk Factors and Outcomes of Prolonged Mechanical Ventilation with Different Duration in Post-Cardiac Surgical Pediatric Patients: A Prospective Observational Study

Sachin Talwar

1. Long Term Fate of the Aortic Root Following Surgical Repair of Tetralogy of Fallot: A Meta-Analysis
2. Assessing aortic distensibility, stiffness, and strain in a dilated aortic arch following Tetralogy of Fallot repair: A meta-analysis.

Sachin Talwar

1. Is Surgery for Congenital Heart Defects in Neonates, Infants, and Children More Challenging and Demanding Than Surgery for Acquired Heart Defects in Adults?
2. Reimplantation of Thymus at the First Superior Cavo-Pulmonary Anastomosis and Its Outcome
3. Autologous Reconstruction of Anomalous Origin of a Right Pulmonary Artery From the Aorta
4. Is simultaneous diaphragmatic plication at Fontan completion beneficial?
5. Left pulmonary artery reconstruction using cryopreserved pulmonary homograft.
6. Open technique of performing Total Cavopulmonary Connection on cardiopulmonary bypass
7. An alternate technique of performing Total Cavopulmonary Connection without cardiopulmonary bypass
8. An Alternative Technique Of Performing Bidirectional Superior Cavopulmonary Connection Without Cardiopulmonary Bypass.
9. Anatomy And Hemodynamics In Patients Undergoing The Extracardiac Total Cavopulmonary Connection: Comparison Of Echocardiography, Computed Tomography And Cardiac Magnetic Resonance Imaging: A Prospective Observational Study

Sarvesh Pal Singh

1. Outcomes of Arterial Switch operation for children with transposition of great arteries.
2. Acute kidney injury in elderly patients (>60 years) undergoing cardiac surgery-incidence, risk factors, and outcome

Sarvesh Pal Singh

1. Post-operative outcomes of off-pump coronary artery bypass grafting in septuagenarians

Sushama Gayatri

1. Pre-Operative Neutrophil-Lymphocyte Ratio as a Novel Predictive Marker of Post-Operative Outcomes in Patients Undergoing Coronary Artery Bypass Grafting: A Prospective Observational Institutional Study
2. Heparin Dose Response Curve for Heparin Dose Determination During Pediatric Cardiopulmonary Bypass for Cardiac Surgery – a Prospective Randomised Control Study

Bharath V

1. Changes in pulmonary artery pressure during early postoperative period in infants with pulmonary hypertension undergoing corrective surgery for congenital heart disease: A prospective observational Study.
2. A comparative study of intrathecal morphine vs intrathecal buprenorphine for fast-track cardiac anaesthesia: A randomized control trial.
3. Effect of prone position on regional ventilation distribution of the lungs measured by Electrical Impedance Tomography in postoperative pediatric cardiac surgical patients with ARDS: A Prospective Non-randomised Interventional Study

Amitabh Satsangi

1. Efficacy of 3D printing technique use in surgical treatment of complex congenital heart disease
2. A comparative study on surgical closure of superior sinus venosus atrial septal defects via isolated SVC vs Traditional approaches
3. Comparative analysis of clinical outcomes in On-Pump CABG: Combined antegrade and graft cardioplegia vs conventional antegrade Cardioplegia alone – Retrospective study

Ummed Singh

1. Comparative effect of levosimendan and milrinone on pulmonary artery pressure in pediatric patients with pulmonary hypertension undergoing corrective surgery for congenital heart disease: A randomized double-blinded clinical trial

2. Risk factors and outcomes of prolonged mechanical ventilation with different durations in post-cardiac surgical pediatric patients: a prospective observational study.
3. Incidence and risk factors of reintubation in the early postoperative period after congenital cardiac surgery in infants: a retrospective study.

Collaborative projects

Ongoing

Sarvesh Pal Singh

1. Clinical utility of liquid biopsy in cardiac allograft rejection, Department of Transplant Immunology and Immunogenetics, AIIMS, New Delhi

RESEARCH OVER PAST 3 YEARS

Ummed Singh

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	0	0	1
Total funding			Rs 9.78 Lakhs

Department of Cardiovascular Radiology and Endovascular Interventions

Research

Funded

Ongoing

1. Measuring and treating iron overload in thalassemia patients in India to improve the survival**,** Priya Jagia, AIIMS – UCL Grant, 2 Years, 2022, Ongoing, Rs 5 Lakhs
2. Precision Cardiovascular Disease Phenotyping and Pathophysiological Pathways in the CARRS cohort (Precision-CARRS)- A multicenter project, Priya Jagia, ICMR, 2022-2024, Ongoing, Rs 5 Lakhs
3. Safety and efficacy of Bariatric artery embolization in class 1 Obesity, Sanjeev Kumar, ICMR, 3 Years, 2022-Ongoing, Rs 10 Lakhs

Completed

1. Evaluation of therapeutic angiogenesis induced by intramuscular autologous platelet-rich plasma in non-revascularisable critical limb ischemia due to peripheral artery disease, Sanjeev Kumar, AIIMS-Intramural, 2 Years with extension, 2019-2022, Rs 4.9 Lakhs

RESEARCH PROJECT OVER PAST 3 YEARS

	2022-23	2023-2024	2024-2025
Total funded projects	**2**	**2**	**2**
Total funding	**Rs 10 Lakhs**	**Rs 10 Lakhs**	**Rs 15 Lakhs**

Departmental Projects (including Thesis / Dissertations)

Ongoing

1. Assessment of CTCA based epicardial and pericoronary tissue attenuation in patients of obstructive sleep apnea – a cross sectional observational study.
2. Assessment of reversibility of pulmonary arterial hypertension in idiopathic PAH using 4D flow phase contrast MRI.
3. Cardiac magnetic resonance imaging for detection of cancer therapy related cardiac dysfunction in carcinoma breast patient receiving cardio toxic anticancer drugs.
4. Cardiac MRI in the evaluation of radiotherapy associated Myocardial changes in the patients of Esophageal Carcinoma.

5. Clinical value of coronary &pericoronary alternation in abdominal aortic aneurysm.
6. Comparison study of fluoroscopy guided trans-arterial embolization versus USG guided embolization in planta fasciitis.
7. Dose reduction at coronary artery calcium scoring using low tube voltage and tin filtration with advanced calcium aware image reconstruction technique.
8. Evaluation of Aortic flow patterns and wall shear stress maps in aorta in patients with Bicuspid Aortic valve using four-dimensional phase Contrast MRI.
9. Evaluation of left arterial strain in patients with hypertrophic cardiomyopathy and comparison with healthy controls on cardiac magnetic resonance imaging study.
10. Feature tracking strain analysis in Myocardial iron overload.
11. Optimizing radiation dose in CT Coronary Angiography through vanishing liver position (VLP) technique.
12. Potential role of Native T1, T2 mapping and left ventricular myocardial strain in cardiac magnetic resonance imaging as imaging biomarkers in patients with server aortic stenosis undergoing surgical aortic valve replacement and correlation with outcome.
13. Prognostic value of cardiac MRI for subclinical cardiac involvement in systematic Lupus Erythematosis SLE patients.
14. Radiation protection in cardiac catheterization evaluating the effectiveness of RADPAD in reducing scatter radiation in comparison to standard protocols.
15. Role of MRI T1 and T2 parametric mapping in pre and post CABG as a new prognosticator tool for cardiac functional outcomes following revascularization surgery.
16. Safety and efficacy of trans catheter arterial embolization in patients with lateral epicondylitis refractory to conservative management.
17. Safety and efficacy of trans-arterial embolization in treatment of single parathyroid adenoma causing primary hyperparathyroidism – A pilot study.
18. Safety and efficacy of uterine artery embolization in adenomyosis refractory to conservative management.
19. Selective Adrenal artery embolization in unilateral functional adrenal adenoma – A pilot study.
20. Trans arterial embolization in adhesive capsulitis.
21. Trans-arterial embolization for chronic Achilles tendinopathy refractory to conservative management.

Completed

1. Assessing the Neuroprotective role of Measenchymal Stem Cells Derived small extracellular Vesicles in Autism Spectrum Disorders.
2. Cine-Fluoroscopy and Phonocardiographic based data acquisition in patients with Prosthetic Heart Valves.
3. Clinical profile and outcomes in Cohort of DCMP patients with LGE on Cardiac MRI.
4. Clinical Profile, Systemic Manifestations, and treatment outcomes of Abernethy malformation.
5. Comparison of 4D Flow and 2D Phase contrast MRI in the evaluation of pulmonary hypertension in patients with ventricular septal defects.
6. Correlation of epicardial adipose tissue burden and hepatic attenuation with coronary artery calcium score in patients with diabetic mellitus.
7. Double blinded randomized controlled trial evaluating the feasibility, safety and efficacy of Obturator Nerve combined with Femoral Nerve Block for analgesia in patients with varicose veins being treated by Endovenous Laser Ablation of Great Saphenous Vei
8. Evaluation of left ventricular outflow tract and direct quantification of mitral regurgitation hypertrophic cardiomyopathy using four dimensional phase contrast MRI.
9. Hemodynamics in patients undergoing the extracardiac Fontan Operation – Comparison of Echocardiography, Computed Tomography and Cardiac Magnetic Resonance Imagin :: A Prospective Observational Study.
10. Reverse Remodeling of right atrium and Ventricle after transcatheter device closure in adult patients with Arterial Septal Defects: A prospective cohort study.

11. Short and mid-term outcomes of Iatrogenic Femoral Arterial and Venous Thrombosis in children with Heart Disease: A prospective observational study.
12. Superior rectal artery embolization for grade II/III hemorrhoids – A pilot study.
13. The effects of leaving Antegrade pulmonary blood flow open on the development of Pulmonary Arteriovenous Malformations Post Bidirectional Superior Cavopulmonary Anastomosis- A retrospective observational study.
14. To Evaluate Spectrum of cardiac involvement in Sarcoidosis.

Collaborative Projects

Completed

1. Applied novel statistical learning and modeling techniques on CT imaging features for prediction of growth of Stanford Type B Aortic Dissection and real options financial assessment of such health care technology, AIIMS-IIT Project
2. DE-CMR compared with FDG-PET for assessment of viability and prediction of functional improvement in patients with CAD and LV dysfunction, Cardiology
3. Impact of bariatric surgery in reduction of cardiovascular risk in morbid obesity, Surgery
4. Preparation and study of radiochromic film as radiation dosimeter for medical applications, Radiation Physics
5. Role of 68 Ga-DOTANOC PET/CT in cardiac sarcoidosis; comparison with cardiac MR, Nuclear Medicine
6. Role of cardiac magnetic resonance imaging in identification of myocardial fibrosis and wall morphology in patients with nonischemic dilated cardiomyopathy, Cardiology

Nuclear Medicine Department

Funded

Ongoing

1. International study on imaging in Cardio-Oncology Study (iCOS), Dr Chetan D. Patel, International Atomic Energy Agency (IAEA), 5 Years, September 2019-ongoing, 25, 000 Euros
2. Transthyretin Amyloid Cardiomyopathy study (iTAC study), Dr Bangkim Chandra (PI) & Dr Chetan D. Patel (co-PI), International Atomic Energy Agency (IAEA), 5 Years, 2021-ongoing, 25, 000 Euros

Completed

None

Department projects (including thesis/dissertations)

Ongoing

1. Comparison of Ga-68 DOTANOC PET-CT with F-18 FDG PET-CT in diagnosis of Cardiac Sarcoidosis
2. Comparison of Emory, Cedar Sinai, 4D-MSPECT and Myometrix softwares for the assessment of Left Ventricular Ejection fraction & Left ventricular volumes using Tc99m-MIBI on CZT SPECT: Correlation with 2D-Echocardiography
3. Design and methods of the YOGICAD study- A probe trial to evaluate the efficacy of yoga-based cardiac rehabilitation in Post PCI patients
4. Prediction of high-volume disease in treatment naïve prostate cancer patients undergoing PSMA PET/CT: a machine learning approach
5. Comparison of Ga-68 DOTANOC PET-CT with F-18 FDG PET-CT in response assessment of Cardiac Sarcoidosis.
6. Prediction of Moderate to Severe Reversible Ischemia Using Machine Learning Based on Clinical and Stress Myocardial Perfusion Imaging Parameters
7. Evaluation of extramedullary disease sites in patients with acute myeloid leukemia using F-18 FDG PET-CT
8. Enhancement of Tc-99m MDP Pediatrics Bone Scan Images Using Blind Deconvolution Algorithm
9. Retrospective analysis of image quality in 99m Tc-MDP
10. A comparative study of 99mTc-EC and 99mTc-DMSA scans for assessing differential renal function in children undergoing initial evaluation for suspected PUJO

11. A comparative study of 99mTc-EC and 99mTc-DMSA scans for assessing differential renal function in voluntary kidney donors

Completed

1. A Machine learning approach to classify skeletal metastasis in bone scintigraphy
2. A probe trial to evaluate the efficacy of yoga-based cardiac rehabilitation in post-PCI patients
3. Comparison of normal field of view and extended field of view in obese patients undergoing myocardial perfusion SPECT on CZT camera
4. Establishment of normal values of LVEF on 99mTc-MIBI myocardial perfusion CZT SPECT in the Indian population: A correlative analysis with four cardiac software platforms and 2D echocardiography
5. Normative data of per cent colonic transit and its correlation with colonic geometric center
6. Radionomics for prostate cancer risk stratification: a machine learning approach
7. Role of pre-processing before compression of nuclear medicine image in dicrete cosine transformation.
8. SPECT Image enhancement using fuzzy logic INT operator

Collaborative projects

Ongoing

1. Efficacy of yoga-based cardiac rehabilitation in Post-PCI patients: A prospective randomized, open-label, blinded end-point trial- funded by Ministry of AYUSH, CIMR, Cardiology
2. Diagnostic Accuracy of 68Ga PSMA-11 PET-CT and conventional Imaging for Initial staging of Intermediate and High Risk Prostate cancer Patients (PROCA study), Urology

Completed

1. Aortic and lung inflammation following COVID: A marker of cardiac event an Indo-Australian joint project-funded by Department of Science & Technology, Cardiology
2. Inflammatory Cardiomyopathy: A study using Artificial Intelligence to validate a diagnostic algorithm combining novel proteomic biomarkers, non-contrast MRI and somatostatin receptor-based PET/CT, Cardiology, Cardiac Radiology

Stem Cell Facility

Funded

Ongoing

1. Development of Amniotic Membrane and Nano-Fiber Composite Scaffold for Tissue Regeneration, Dr Sujata Mohanty, DBT, 2 Years, 2022-2024, Rs 82 Lakhs
2. Enhancing the translational potential of human mesenchymal stem cell-derived extracellular vesicles via multivariate bioengineering strategies, Dr Sujata Mohanty, SERB, 3 Years, 2024-2027, Rs 64 lakhs
3. Enhancing the translational potential of human mesenchymal stem cell-derived extracellular vesicles via multivariate bioengineering strategies, Dr Sujata Mohanty, SERB, 3 Years, 2024-2027, Rs 50 Lakhs
4. Multi-omics approach to elucidate the comparative regenerative potential of primed tissue-specific MSC-EVs, Dr Sujata Mohanty, CSIR-ASPIRE, 2 Years, 2025-2027, Rs 25 Lakhs
5. Novel bioink-based 3D printed organoid as a high-throughput platform for animal-free drug screening in cardiac spectrum of disease, Dr Sujata Mohanty, DHR, 3 Years, 2024-2027, Rs 120 Lakhs
6. To investigate the role of human mesenchymal stem cell-derived exosomes as a cell-free therapy approach for amelioration of symptoms of autism spectrum disorders, Dr Sujata Mohanty, DBT, 3 Years, 2022-2025, Rs 73 Lakhs

Completed

1. Centre of Excellence for Stem Cell Research: Basic and Translational (Phase-II), Dr Sujata Mohanty, DBT, 5 Years, 2017-2022, Rs 292 Lakhs
2. Development of exosome based off the shelfexosome-based off-the-shelf product for wound healing, Dr Sujata Mohanty, DBT-BIRAC, 2 Years, 2020-2022, Rs 50 Lakhs

3. Indo-US joint center: "Cellular reprogramming in Regenerative Medicine" with University of Indiana, Dr Sujata Mohanty, IUSSTF, 3 Years, 2019-2022, Rs 38 Lakhs
4. Intra-articular injection of autologous tissue-derived stromal vascular fraction or Hyaluronic acid for the treatment of symptomatic knee OA: A randomized control trial, Dr Sujata Mohanty, AIIMS, 1 Years, 2020-2021, Rs 5 Lakhs
5. Strategies to enhance stem cell delivery to the retina using iron oxide nanoparticle, Dr Sujata Mohanty, DBT, 4 Years, 2019-2023, Rs 85 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Assessing the Biomarker Potential of Saliva-derived Small Extracellular Vesicles and the Neuroprotective Role of MSC-derived Small Extracellular Vesicles in Autism Spectrum Disorder
2. Development of Bioengineered extracellular vesicles derived from human mesenchymal stem cells as a therapeutic intervention for liver disease
3. Elucidating the regenerative capabilities of exosomes derived from tissue-specific mesenchymal stem cells in skin injury model
4. Optimizing and Enhancing the Regenerative Potential of Functionalized Skin Substitute using Stem Cell-derived Extracellular Vesicles

Completed

1. Endothelial Progenitor Cells In Coronary Artery Disease Patients

Collaborative projects

Ongoing

1. Skeletal muscle regeneration following total knee arthroplasty: limitations of the intrinsic stem cell pool., PI: Dr Vikrant Manhas, Associate Professor, Department of Orthopaedics, AIIMS, New Delhi
2. Skeletal muscle regeneration following total knee arthroplasty: limitations of the intrinsic stem cell pool., PI: Dr Darren J. Player, Division of Surgery and Interventional Science, Faculty of Medical Sciences, University College London
3. Skeletal muscle regeneration following total knee arthroplasty: **limitations** of the intrinsic stem cell pool., CO-PI: Prof M C Sharma, Professor, Department of Pathology, AIIMS, New Delhi
4. Skeletal muscle regeneration following total knee arthroplasty: limitations of the intrinsic stem cell pool., CO-PI: Professor Sujata Mohanty, Professor, Stem Cell Facility (DBT-Centre of Excellence for Stem Cell Research), AIIMS, New Delhi
5. Translational potential of Mesenchymal Stem Cells in generation of immunotolerance during solid organ transplantation, PI: Dr. Sujata Mohanty, Professor, Stem Cell Facility (DBT-Centre of Excellence for Stem Cell Research), AIIMS, New Delhi.
6. Translational potential of Mesenchymal Stem Cells in generation of immunotolerance during solid organ transplantation, PI: Dr. Uma Kanga, Associate Professor, Transplant Immunology and Immunogenetics, AIIMS, New Delhi
7. Translational potential of Mesenchymal Stem Cells in generation of immunotolerance during solid organ transplantation, CO-PI: Dr. D Bhowmik, Professor, Department of Nephrology, AIIMS, New Delhi
8. Translational potential of Mesenchymal Stem Cells in generation of immunotolerance during solid organ transplantation, CO-PI: Dr. Vatsla Dadhwal, Professor, Department of Obsterics and Gynecology, AIIMS, New Delhi
9. Assessing the efficacy of Engineered Extracellular Vesicles targeting NLRP3 inflammasome in Neuroinflammatory disease model., PI: Dr Arup Banerjee, RCB, Faridabad
10. Assessing the efficacy of Engineered Extracellular Vesicles targeting NLRP3 inflammasome in Neuroinflammatory disease model., CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
11. Assessing the efficacy of Engineered Extracellular Vesicles targeting NLRP3 inflammasome in Neuroinflammatory disease model., CO-I: Dr R Lakshmy, AIIMS, New Delhi
12. Assessing the efficacy of Engineered Extracellular Vesicles targeting NLRP3 inflammasome in Neuroinflammatory disease model., CO-I: Dr Roopa Ranjan, AIIMS, New Delhi

13. Development of easy-to-use fibrin-based rapidly acting bleeding control biopolymer sheet, PI: Dr. Surendra Kumar Verma, Plastic Reconstrutive& Burns Surgery, AIIMS, New Dehi
14. Development of easy-to-use fibrin-based rapidly acting bleeding control biopolymer sheet, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
15. Differentiation, Molecular Characterization & Translational application of culture expanded human corneal Endothelial cells, PI: Dr Namrata Sharma, Dr Rajendra Prasad Centre for Ophthalmic Sciences, AIIMS, New Delhi
16. Differentiation, Molecular Characterization & Translational application of culture expanded human corneal Endothelial cells, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
17. Validating biomarker panel in five different cohorts to define and predict biological ageing, disease burden and mortality in human subjects- a pilot prospective cohort study, PI: Dr. Prasun Chatterjee, Geriatric Medicine, AIIMS, New Delhi
18. Validating biomarker panel in five different cohorts to define and predict biological ageing, disease burden and mortality in human subjects- a pilot prospective cohort study, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
19. Deciphering the role of microRNA-191, in regulation of chemoresistance and stemness in breast cancer, PI: Dr Ritu Kulshreshtha, IIT, New Delhi
20. Deciphering the role of microRNA-191, in regulation of chemoresistance and stemness in breast cancer, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
21. Functional characterisation of patient derived single cell spheroids from Oral Squamous Cell Carcinoma to decipher clinical heterogeneity: A Tool for drug Screening and Radiation Sensitivity, PI: Dr Vibha tandon, JNU, New Delhi
22. Functional characterisation of patient derived single cell spheroids from Oral Squamous Cell Carcinoma to decipher clinical heterogeneity: A Tool for drug Screening and Radiation Sensitivity, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
23. Assessment of epigenetic modulation by microvesicles mediated mitochondrial transplantation in diabetes as a novel therapeutic approach., PI: Dr Swati Paliwal, Banasthali University, Rajasthan
24. Assessment of epigenetic modulation by microvesicles mediated mitochondrial transplantation in diabetes as a novel therapeutic approach., CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
25. Generation, characterization and differentiation of induced pluripotent stem cells (iPSCs) into motor neurons from spinal muscular atrophy prenatal samples- Recapitulating the disease in the dish, PI: Dr Amita, Department of Pediatric- Genetic unit, AIIMS, New Delhi
26. Generation, characterization and differentiation of induced pluripotent stem cells (iPSCs) into motor neurons from spinal muscular atrophy prenatal samples- Recapitulating the disease in the dish, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
27. Effects of Irisin preconditioned Mesenchymal stem cells therapy on mitochondrial dysfunction mediated cognitive deficits in Hippocampus of Alzheimer's disease rat model, PI: Dr Ritesh Kumar Netam, AIIMS, New Delhi
28. Effects of Irisin preconditioned Mesenchymal stem cells therapy on mitochondrial dysfunction mediated cognitive deficits in Hippocampus of Alzheimer's disease rat model, CO-PI: Dr Sujata Mohanty, Stem Cell Facility, AIIMS, New Delhi
29. Biofabrication of human amniotic membrane-based functional bone implant scaffold for augmented osteogenesis, PI: Dr Saumya Dash
30. Biofabrication of human amniotic membrane-based functional bone implant scaffold for augmented osteogenesis, Mentor: Dr Sujata Mohanty
31. Human induced pluripotent stem cell-based functional characterization of novel identified disease causal variants in families with juvenile Parkinson's disease, PI: Dr Laxmi Kirola
32. Human induced pluripotent stem cell-based functional characterization of novel identified disease causal variants in families with juvenile Parkinson's disease, Mentor: Dr Sujata Mohanty

Completed

1. Immunomodulatory properties of mesenchymal stem cells in graft-versus-host-disease, AIIMS, New Delhi
2. Understanding the role of platelet-neutrophil interaction in dengue pathogenesis, AIIMS, New Delhi

3. Synthesis and characterization of the carbon-based nanostructures from bio-wastes for stem cell differentiation, AIIMS, New Delhi

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	10	10	7
Total funding	Rs 351 Lakhs	Rs 359 Lakhs	Rs 773 Lakhs

Publications

CARDIAC ANAESTHESIA AND CRITICAL CARE

Publication

Journals: 31 **Abstracts: 01** **Chapters in Book: 03**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**78**	**61**	**35**

CARDIAC PATHOLOGY

Publications:

Journals:18

Item	2022–2023	2023–2024	2024–2025
Total	**9**	**7**	**18**

CARDIOLOGY

Publications

Journals: 98 **Chapters in Book: 01**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**97**	**89**	**99**

DEPARTMENT OF CARDIAC BIOCHEMISTRY

Publications

Journals: 15

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**10**	**12**	**15**

DEPARTMENT OF CARDIO- THORACIC & VASCULAR SURGERY

Publications

Journals: 28

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**22**	**24**	**28**

DEPTT. OF CARDIOVASCULAR RADIOLOGY & ENDOVASCULAR INTERVENTIONS

Publications

Journals: 89 **Abstracts:01** **Chapters in Book:10**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**106**	**47**	**100**

NUCLEAR MEDICINE DEPARTMENT

Publications

Jornals: 04 **Abstracts: 11**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**25**	**21**	**15**

STEM CELL FACILITY

Publications

Journals:20 **Chapters in Book:04**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**22**	**12**	**24**

Patient Care

Patient care*(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024–2025
OPD consultations	35608	36732	36910
Special clinic consultations	1073	646	87

Blood Transfusion Services

Patient Care: (Workload) Statistics for 3 years for the period April 2021 To March 2024 in BTS CNC

BLOOD UNITS COLLECTED	2022-23	2023-24	2024-25
Replacement donors	12318	13819	14408
Voluntary donors in the department	399	222	195
Voluntary through blood mobiles	693	1371	575
Family Voluntary Donors	5865	4880	5285
SDP Donors	47	68	42
Blood received from Hosp. Blood Bank, AIIMS	94	224	51
Blood received from JPNATC, AIIMS	41	77	36
Blood Received from NCI Jhajjar			54
Blood received from other hospital	87	149	56
Total No. of Blood units collected	**19591**	**20742**	**20702**

BLOOD UNITS ISSUED			
Blood units issued to CTVS/ NS	20471	21560	23430
Blood issued to Hosp. Blood Bank, AIIMS	396	40	29
Blood issued to JPNATC	469	141	513
Blood issued to other hospitals	1974	2251	2730
HIV/HBsAg/HCV reactive units discard	696	810	802
Total No. of blood units issued	**23310**	**23992**	**23972**
LAB PROCEDURES			
Total no. of Blood grouping(ABO)	89425	87935	86381
Total no. of Blood grouping(Rh)	89425	87935	86381
Total no. of Cross matching done	127806	147186	149166
INFECTIOUS MARKERS			
HIV Testing	22316	22809	22528
HBV Testing	21655	21981	21806
HCV Testing	21539	21948	21664
Syphilis Testing	21244	21763	21435
MP testing	20800	20325	20530
Total TTI Tests	**107554**	**108826**	**107963**
NO. OF BLOOD COMPONENTS ISSUED			
Fresh Frozen Plasma (FFP)	20158	20004	19862
Platelet Concentrate	10663	11791	14552
Cryoprecipitate	1798	2451	3045
Packed Red Cells	23310	23992	26702
Single Donor Plateletpheresis	47	68	42
Total	**55976**	**58374**	**64203**

Cardiac Anaesthesia and Critical Care

1. Advanced monitoring facilities (TEE, TTE, NIRS, NICO monitoring) for management of routine, emergency and high risk cardiac surgical patients belongs to all spectrum
2. Specialized cognitative rehabilitation programme for heart failure, heart transplant and LVAD patients
3. Routine stress management programme both for pre and post operative patients
4. Different community programme by the faculties.
5. Special involvement with anesthesia for complex congenital heart surgery
6. Team member of heart failure treatment like heart transplant & LVAD
7. Transesophageal Echocardiography
8. Community Service- Charitable health camps and health education
9. Special involvement with anesthesia for complex congenital heart surgery and OPCAB
10. Team member of heart failure treatment like heart transplant & LVAD
11. Transesophageal Echocardiography
12. Community Service- Charitable health camps and health education

Cardiac Pathology

Specimens

Routine - 1591 Nos. of cases

Research - 1419 Nos. of cases

Other works - Immunohistochemistry-225 slides

H & E stain- 3112 slides

Special stains-1207 slides

Manual processing of post-transplant biopsies -30 cases

Cutting of blocks (unstained sections)-649 slides

Cardiology

Total numbers

New OPD cases	**29,635**
Old Cardiology Cases	**1,08,613**

Patient Services

• TMT	301
• Holter	2613
• Echocardiography	32,000
• ECG	33,886
• ABP	133
• TEE	273
• HUTT	140

Cath Lab Services

CART	1437
Cath	750
Balloon Dilatation	105
PTMC	335
PDA	109
ASD Device	123
VSD Device	15
PTCA	1495
Pacemakers	703
ICD	64
CRT	54
RFA	193
CARTO	32
DSA	107
Coil Embolization	94
BAS	64
EM Biopsy	25
TAVI/TMVR/TPVI	31

Department of Cardiac Biochemistry

(a) Facilities available in the department (including special clinics and/or special laboratory facilities) Chemiluminescence analyzer, Coagulation analyzer, HbA1c analyzer, Hematology analyzer (6-parts), ELISA microplate reader, Point of care testing device, Cold storage refrigerators (4C, -20C, -80C), Centrifuge.

(b) Community services/camps, etc.: Nil

Total blood collection (OPD)

Item	2022–2023	2023–2024	2024–2025
Lab Tests Performed in Cardiac Biochemistry Lab: PT, APTT, D – Dimer, Fibrinogen, Protein C, Protein S, CBC, HbA1c, Procalcitonin, NT-pro BNP, Troponin T, CK-MB, Tacrolimus, Cyclosporine, IL – 6, Digoxin, Myoglobin, Haemoglobin – Precath, Catecholamines	78,798	76,075	93,491

Total blood collection (WARD)

Item	2022–2023	2023–2024	2024–2025
Lab Tests Performed in Cardiac Biochemistry Lab: PT, APTT, D – Dimer, Fibrinogen, Protein C, Protein S, CBC, HbA1c, Procalcitonin, NT-pro BNP, Troponin T, CK-MB, Tacrolimus, Cyclosporine, IL – 6, Digoxin, Myoglobin, Haemoglobin for pre-cath, Catecholamines	47,000	51,946	69,143

Total blood collection (OPD): 34,703

Lab Tests Performed in Cardiac Biochemistry Lab (OPD Samples)													
Blood Collection	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Jan-25**	**Feb-25**	**Mar-25**	**Total Test**
PT	1,990	1,976	1,578	1,779	1,794	1,917	1,677	1,717	1,928	1,808	1,567	1,962	21,693
APTT	65	70	65	75	99	86	73	86	79	99	91	173	1,061
D - Dimer	4	7	4	3	1	0	2	11	10	0	9	8	59
Fibrinogen	3	0	3	1	0	0	0	9	6	0	2	1	25
Protein C	2	5	2	4	3	0	2	2	4	0	2	1	27
Protein S	3	5	1	4	3	0	2	2	1	0	2	0	23
CBC	0	57	0	0	0	14	20	0	0	0	40	0	131
HbA1c	1,384	1,105	827	868	674	160	0	116	315	1,102	830	1,213	8,594
Procalcitonin	0	6	1	6	15	4	4	1	1	0	7	0	45
NT-pro BNP	134	152	90	169	143	197	170	173	193	255	241	274	2,191
Troponin T	0	3	0	0	18	0	9	10	5	0	2	3	50
CK-MB	0	0	0	0	19	0	8	7	2	5	1	0	42
Tacrolimus	369	87	7	6	26	3	17	15	7	4	8	15	564
Cyclosporine	0	0	0	0	0	0	0	0	0	0	0	0	0
IL - 6	2	0	0	0	0	0	0	0	0	3	0	0	5
Digoxin	0	3	0	0	17	0	4	0	0	0	0	0	24
Myoglobin	0	3	0	0	14	0	0	0	0	0	1	0	18
Haemoglobin - Precath	9	19	8	18	0	13	0	0	0	0	0	40	107
Catecholamines	1	2	3	3	2	7	5	8	8	5	0	0	44

Total blood collection (Ward): 37,334

Lab Tests Performed in Cardiac Biochemistry Lab (Blood Collection In Ward)													
Blood Collection	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Jan-25**	**Feb-25**	**Mar-25**	**Total Test**
PT	1,363	1,185	856	800	912	862	805	896	816	644	727	760	10,626
APTT	866	803	459	409	523	518	430	530	514	324	396	502	6,274
D - Dimer	5	2	1	3	6	12	6	6	17	2	5	2	67
Fibrinogen	5	1	1	1	2	9	5	1	11	3	1	2	42
Protein C	1	1	0	3	1	3	1	1	1	1	1	0	14
Protein S	3	1	0	3	1	2	1	1	1	1	1	0	15
CBC	1,659	1,540	1,423	1,756	1,815	841	619	1,630	1,187	1,158	1,002	1,491	16,121
HbA1c	387	0	40	0	0	0	0	0	0	50	50	0	527
Procalcitonin	266	192	100	108	107	122	115	146	165	98	123	138	1,680
NT-pro BNP	148	87	78	82	64	63	73	80	77	100	111	83	1,046
Troponin T	7	13	7	14	0	19	12	15	18	18	31	18	172
CK-MB	75	25	19	30	12	10	6	20	14	4	13	9	237
Tacrolimus	40	17	19	37	9	29	10	29	29	26	26	12	283
Cyclosporine	0	0	0	0	0	0	0	0	0	0	0	0	0
IL - 6	62	43	18	1	0	0	0	5	0	2	0	8	139
Digoxin	5	10	1	3	6	0	6	15	20	3	6	3	78
Myoglobin	0	0	0	0	0	0	0	0	0	0	0	0	0
Haemoglobin - Precath	0	0	0	0	0	13	0	0	0	0	0	0	13
Catecholamines	0	0	0	0	0	0	0	0	0	0	0	0	0

Department of Cardio- Thoracic & Vascular Surgery

Item	2022–2023	2023–2024	2024–2025
OPD consultations	35608	36732	36910
Special clinic consultations	1073	646	87

Department of Cardiovascular Radiology and Endovascular Interventions

Item	2022 – 2023	2023 - 2024	2024 – 2025
MRI	1105	1218	1317
CT	6564	8039	9562
DSA /venogram	1275	1805	2129
Doppler and Ultrasound	6830	6826	7678
X-Ray	21200	22323	24543

Nuclear Medicine Department

Total Number of patients investigated in Nuclear Cardiology from 1/4/24 to 31/3/2025

Myocardial perfusion study: 1680

Cardiac PET 359

Misc. (V/Q scan, PYP scans): 124

Total number of studies performed – 2163

Item	2022 - 2023	2023-2024	2024-2025
OPD consultations (Diagnostic procedures)	2531	1308	2163

Stem Cell Facility

Clinical Research:

1. I am actively involved in the ongoing Clinical trials using autologous bone marrow derived mononuclear cell to evaluate their safety & feasibility in various disorders, like, Corneal Opacity (ocular surface disorder), Vitiligo, Bone regeneration.
2. Dedicated cGMP (current good manufacturing practices) laboratory for clinical research and patient care.
3. Establishment of animal Models for various diseases, like, liver fibrosis, skin wound model etc. for pre-clinical studies using Stem Cells.
4. Maintaining Quality Assurance and Quality Control of all procedures involved in isolation and processing of Stem Cells.
5. Cryopreservation of Stem Cells from Bone Marrow and Umbilical Cord Blood.
6. iPSCs generation from healthy and Megalencephalic leukoencephalopathy patients and development of *in vitro* model of traumatic hemorrhage shock syndrome.
7. Amniotic Membrane Grafts: Recently, we have extended the Amniotic Membrane Graft distribution services from RPC, AIIMS to other departments of AIIMS (Pediatrics Surgery, Trauma Center, AIIMS) and to other Hospitals within and outside Delhi (ESI Hospital, Safdarjung Hospital, Dr. Ram Manohar Lohia Hospital, etc.).

S. No.	Service Provided	Number of Samples processed		
		2022-2023	2023-2024	2024-25
1	Stem Cell Isolation from Bone Marrow	25	22	28
2	Stem Cell Isolation from Adipose Tissue	05	06	02
3	Stem Cell Isolation from Wharton's Jelly	12	20	15
4	MNC Isolation from Bone Marrow	02	06	08
5	MNC Isolation and Cryopreservation from Umbilical Cord Blood	04	03	02
6	Cryopreservation of Apheresis sample	09	20	15
7	Cultured Oral Mucosa Epithelial Transplantation	04	28	03
8	Culture Limbal Epithelial Transplant	03	05	03
9	Viability of stem cells (pre & post transplantation/infusion)	15	06	15
10	Amniotic Membrane preparation for grafting	20 batches (500 vials)	14 batches (420 vials)	22 Batches (500 Vials)
11	Stem Cell Enumeration (CD34+ count)	06	05	06

Awards, Honors and Significant events:

Cardiac Anaesthesia and Critical Care

Professor Sandeep Chauhan took over as Chief of the cardiac Centre from Professor Balram Bhargava w.e.f 5 April 2025.

Professor Neeti Makhija has been appointed as Head of the Department of Cardiac Anaesthesia & Critical Care, AIIMS, on 13

April 2024, which she took over on 15 April 2024, as 14 April being a Sunday. She was subject Expert for conducting the interview for the post of Assistant Professor in Cardiac Anaesthesiology in two Government Medical Colleges of repute in Union Territory.

She was External Expert for procurement of equipment for various Hospitals. She was Teacher for NBE and involved as moderator for various academic sessions.

Professor Poonam Malhotra Kapoor received the "National Award of Excellence in Cardiac Anesthesia, Critical care & ECMO" on the occasion of National Consensus on Bisoprolol in CVD in Women: New Frontiers (NCBC, W-2024). Sunday, 17 November 2024. She is continuing as President of SCA-Delhi and NCR Branch for a term of 5 years (Dec 2023-Dec 2028) and founder member of SCA-Delhi & NCR Branch of IACTA and Past secretary. She is the Chief Education Director of TSS fellowship in FICCC, FIECMO & FIECHO and Cardio-diabetes. She is Continuing as Guest Editor of JAAPI – an International journal in Medicine and Healthcare from USA. (2022-2027). She was Appointed as immediate Past President of South West Asia and Africa Chapter of the. Extracorporeal Life Support Organization (SWACELSO) for the year 2024-26. She is The Chief Editor of TCCC (Textbook of Cardiac Critical Care), published by theme publishers, was released in April 2024 at the ISCCM conference in Kolkata and received well by guest readers. She is Continuing as Founding Secretary and Chairman Academics of "The Simulation Society". She is the Founder Editor-In-Chief of Journal of Cardiac Critical Care TSS, where she released 8.2, 8.3, 8.4 and 9.1 issues of JCCC TSS in the year 2024 – 2025. She is Continuing as "Fellow of International Society of Cardiovascular Ultrasound: 2024-25" by the International Society of Cardiovascular Ultrasound (ISCU) Society, Alabama USA, for my contribution to Echocardiography in cardiac sciences. She was Chairman of DM Cardiac Anaesthesia, AIIMS, New Delhi in May 2024. She Edited the Textbook of Cardiac Critical Care and released it at AIIMS by Professor M. Srinivas - Director, AIIMS, New Delhi. She Organized 7 seminars, 10 Webinars and 2 workshops under TSS and SCA-Delhi & NCR Branch as academic administrative in-charge at SET Facility, AIIMS, New Delhi. She was Examiner for: DM Cardiac Anaesthesia (AIIMS, New Delhi), DM Cardiac Anaesthesia (UN Mehta), DM Cardiac Anaesthesia, PGIMER, Kolkata; Moderated and Examiner for DNB Cardiac Anaesthesia, DM Cardiac Anaesthesia at SCITMST, Trivandrum and Moderated DNB Questions papers in July 2024 for 2024 for NBE, New Delhi. She Checked the Dissertations and Thesis of MD, MD, Cardiac Anaesthesia, PGIMER, Kolkata (Online) and MD, Cardiac Anaesthesia, U. N Mehta, Ahmedabad (Online). She was one of the Examiners for Online TSS JCCC fellowships examinations in Cardiac Critical care, ECMO, Echocardiography and Cardio Diabetes. She is Continuing the Charitable work in "Dr KK Malhotra Arsh Gurukul" and Ram Memorial Clinic in New Delhi, last 20 years with 19 students in the Gurukul residing for free and studying "Kashividhya". She is a Member of the compliance monitoring committee for allocation of thesis chief guide to the resident of MD/MS/MDS/MCh courses. She is a Member of committee at AIIMS for making arrangement of the 49th Convocation of AIIMS, New Delhi. She is Co-Chairman, of the Grievance Redressal Committee for Resident Doctors/Ph.D Scholars/PG Student at AIIMS. An Annual report and medical record in charge of the department, she felt skillful and updated in departments and institutional statistics.

Professor Minati Choudhury was invited as a faculty by Royal University Hospital Liverpool, UK to deliver lectures [on-line]. She was Selected as the Associate editor of Journal of Neonatal critical care and anaesthesia. She was invited as external expert in several meetings of Indian college of Anaesthesiologist. She was involved in Teaching and Education of BSc OT technician students and Clinical teaching and training of DM (Cardiac Anaesthesia) and PG students (Anaesthesia). Administration: Looking after the medical record of Department, A Member of technical specification committee of Department, A member of other purchasing committee of Institute. Others Set-up of question papers for AIIMS DM, pediatric Cardiac fellowship entrance, and PG entrance exam, DM and PDCC cardiac anaesthesia exit exam of other institutions and PD fellowship cardiac anaesthesia entry exam of other institutions, Thesis Evaluation (DM Cardiac Anaesthesia and PG Anaesthesia as an External), External examiner for question setting and thesis evaluation DM Cardiac Anaesthesia, UN Meheta institute, Ahmedabad, Gujurat, RG Kar Medical College, Kolkota and Expert for thesis examination of DM Cardiac Anesthesia GB Pant Hospital, ND, External examiner for DM cardiac Anaesthesia question paper setting, Srichitra institute of medical science, May 2024, Internal examiner for mid-term and final exam of BSc OTT students of AIIMS, New Delhi 2024. Teaching-UNDERGRADUATE-No of lectures/seminars allotted to you: [BSC OT technicians,: Moderate all the classes, DM students –moderate three seminars]-13 classes, No of lectures/seminars taken by you: Nil. Moderate all the sessions, Hours/week/year spent in clinical teaching/demonstration/tutorial: Aprox 12-15 hr /week, **Examiner/experts/ miscellaneous-**As an external examiner for DM Cardiac Anaesthesia Thesis evaluation, west Bengal University, December 2025, External examiner for DM Cardiac anaesthesia exit exam theory question setter, UN Mehta Institute of Medical Science, Gujarat, December 2025, Internal Examiner, BSc mid-term and Final Exam OT technicians AIIMS New Delhi, January 2025, External examiner for DM Cardiac Anaesthesia exit Exam theory question setter, Sri Chitra Institute of Medical sciences November 2024, DM Cardiac Anaesthesia thesis evaluation: UN Mehta Institute of Medical Science, Gujarat and PGIMER Chandigarh, MCQ setter for January session 2024, DM Cardiac Anaesthesia, SR Cardiac Anaesthesia and Ped Cardiac anaesthesia fellowship programme, Contributed As an external examiner for few exams, Course director for TEE, in one National workshops.

Cardiac Pathology

Dr Ruma Ray: Member, Indian society of heart research (ISHR); Member, Indian Society of Atherosclerotic Research (ISHR); Member, Indian society of heart and lung transplantation (ISHLT); Associate editor, IJDPPD journal; Reviewer, Indian journal of pathology and microbiology (IJPM); Member. International academy of Pathology-Indian division (IAPID);

Reviewer, Journal of practice of cardiovascular sciences (JPCS); Member, Association of European cardiovascular pathology (AECVP); Member, Dermatopathology Society of India (DSI); Member, Indian association of pathologist and microbiologist (IAPM)

Cardiology

Sandeep Seth was Editor in Chief, JPCS; President Indian Society for Heart and Lung Transplant

Nitish Naik was Editor, Indian Heart Journal

Rakesh Yadav was Vice President, CSI

Sandeep Singh was executive director, School of International Biodesign

Karthikeyan G was Director, Translational Health Science and Technology Institute; Executive editor, Heart; Associate Editor, European Heart Journal, South Asia; Editor in Chief, Open Heart Journal

Gautam Sharma: Distinguished Professor (Honorary) in the division of Yoga & Life Sciences of Swami Vivekananda Yoga "Anuswandhana Samsthana" (S-VYASA), Bengaluru, Karnataka;

Ambuj Roy was Nodal Officer, National Resource Centre of National Medical College Network of MOHFW, GOI; Member, Institute Body, JIPMER, Puducherry; Head, Skill, e-Learning & Telemedicine (SET) Facility, AIIMS, New Delhi, India; Expert, Standing Selection Committee Meeting by AIIMS Patna; Expert Selection Committee, AIIMS, Bhubaneswar; Expert Selection Committee, Nizam's Institute of Medical Sciences, Hyderabad; Elected Fellow, National Academy of Medical Sciences (India); Steering Committee Member and National Principal Investigator of G-CHF (Global Congestive Heart Failure) Registry; Steering Committee Member and National Co-Principal Investigator of COLchicine and Thiamine in Heart Failure due to ischemic heart disease (COLT-HF); Steering Committee member of The National Heart Failure Registry; Steering Committee member of NIH-sponsored I-TREC study; Steering Committee member of TOPSPIN Trial; Member of the GBD India CVD Expert Group; Fellowship, Royal College of Physicians, Edinburgh (UK); Member, Task Force Committee of ICMR for Cardiovascular Research in India; Chairperson, Project Review Committee (cardiovascular diseases) of ICMR, New Delhi; Member, Managing Committee, K L Wig Center for Medical Education and Technology, AIIMS, New Delhi, India; Member, Dean's Committee, AIIMS, New Delhi, India; Member, Dean's Research Committee, AIIMS, New Delhi; Member, Institute Ethics Committee (Post Graduates) at AIIMS, New Delhi, India; Member, Institute Ethics Committee-Subcommittee for Serious Adverse Events in clinical trials; Chairman, National Health Research Priority ICMR project "An implementation research study on developing a high-quality patient-centric integrated model for emergency care systems in selected districts of India" (INDIA-EMS)"

S Ramakrishnan was Chief Editor of Annals of Pediatric Cardiology; Treasurer of National Rheumatic Heart Consortium; Associate editor of JPCS; National PI. Latecomer clinical trial in STEMI; Co-PI and task force member, India Hypertension Management Initiative (IHMI); National coordinator, STEMI-ACT, an ICMR initiative; Member, International Travel Grant Award Committee, ICMR; Member, A National Program for the Management of STEMI in India; FPICS (Fellow of Pediatric and Congenital Interventional Cardiovascular Society); Performed the first fetal aortic valve balloon dilatation; Expert Selection Committee, JIPMER, Puducherry; Expert Selection Committee, ESI hospitals;

Saurabh Gupta was Treasurer of Pediatric Cardiac Society of India; Executive editor, Annals of Pediatric Cardiology; Honorary Secretary for the Delhi CSI for the year 2025-2026;

Satyavir Yadav was Assistant editor Indian Heart Journal; Member of the Executive Committee for the IHRS for the year 2025-2026

Department of Cardiac Biochemistry

Professor R Lakshmy was Technical expert for the Diet and Biomarker study (DABS) conducted by ICMR. Member of Scientific Advisory Committee (SAC) for National Institute of Nutrition, Hyderabad. Member of Project Review Committee for ICMR in the area of Diabetes. Member of Project Review Committee for ICMR in the area of NCD. Member of Ethics committee of Center for Nutrition Foundation of India (NFI). Co-chaired a scientific session in Indian Academy of Biomedical Sciences-North Zone (IABS-NZ 2024) held in AIIMS. Reviewed abstracts for Indian Academy of Biomedical Sciences-North Zone (IABS-NZ 2024) held in AIIMS. Reviewed article for ATVB.

Dr Manoj Kumar Tembhre was AIIMS-RESEARCH EXCELLENCE AWARD-2023 (Awarded in January-2025). He was Guest Associate Editor in Frontiers in Immunology Journal (2025). He was Review Board member of OBRS ethics committee (Delhi based start-up). He was Advisory board member of Growdea (AI-ML- based start up with IIT-D partnership). He was Nominated as member of Review Board of MDPI journals (Applied Sciences, Bioengineering, Diagnostics, Journal of Clinical Medicine, Healthcare, Medicina, IJMS, Sensors etc.), PLOS One, Frontiers in Immunology, Cancer International

etc. He was Nominated as emerging Editors in the journal of Immunology and Immunology, Journal of Experimental Immunology (Wiley Publications). He was Nominated as member of Review Board of Indian Journal of Dermatology, Venereology and Leprology (IJDVL). He was Reviewer of National (IJDVL, Impact Factor = 3) and international Journal (British Journal of Dermatology, Impact Factor = 11.11). He was Member of:

1) Indian Immunology Society (IIS), **2)** Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), **3)** American Society of Nephrology (ASN), **4)** International Society of Heart Research (ISHR), Indian Section.

Dr Ransi Ann Abraham, the department has been awarded the NABL accreditation, and I was able to contribute towards the achievement as a Quality Manager.

Department of Cardio- Thoracic & Vascular Surgery

Dr Devagourou has been elected as the President of IACTS (Indian Association of Cardiovascular – Thoracic Surgeons); He has been nominated as member of AATS (American Association of Thoracic Surgery).

Dr P Rajahsekar took the additional charge of additional medical superintendent CTC.

Department of Cardiovascular Radiology & Endovascular Interventions

Awards, Honours and Significant Events

Professor Priya Jagia was Editor (Volume Editor) for the IRIA Textbook of Radiology for the Volume III on Cardiac Imaging. Elected Subspecialty Head for 2 years for 2ndtime for "Cardiac Radiology" by Indian Radiological Association IRIA. Conceptualized and moderated six month long teaching course in Cardiac Radiology by Indian Radiological Association IRIA (Total of 26 weekly seminars done for nationwide broadcast). Special Executive Member, Indian Association of Cardiac Imaging. President, CVREF (Cardiovascular Research and Education Forum). Examiner for DM Exam in CVR and IR in SCTIMST, Trivandrum. Examiner for Theory & Practical DNB Radiology Examinations, by National Board of Examinations. Examiner for Fellowship in Cardiac Imaging at AIIMS, Jodhpur.

Reviewer for many National and International Radiology and Cardiology Journals.

Dr Sanjeev Kumar was Member of the ICMR STW committee in Interventional Radiology - drafted the STW for Aortic dissection. Reviewer for many National and International Radiology and Cardiology Journals. Secretary, Society of image guided therapy. Elected member of IR Subspecialty 2 years by Indian Radiological Association IRIA. Examiner for DM Exam in IR across India. Examiner for Theory & Practical DNB Radiology Examinations, by National Board of Examinations.

Dr Niraj Nirmal Pandey A. Editorial positions in journals: Deputy Editor, Radiology Advances, Radiological Society of North America. Academic Editor, Journal of Cardiac Surgery. Academic Editor, PLOS One. Academic Editor, BMC Cardiovascular Disorders. International Editorial Board Member – Cardiology in The Young. Guest Editor, Collection on Adult congenital heart disease (in progress) - BMC Cardiovascular Disorders. Member of the ICMR STW committee in Interventional Radiology - drafted the STW for Image guided therapies for critical limb ischemia. **B. Awarded Derek Harwood**-Nash International Fellowship by Radiological Society of North America.

Nuclear Medicine Department

Dr Chetan Patel Delivered "Professor R D Lele Oration" at the 22nd Annual Association of Nuclear Medicine Physicians of India (ANMPI) Conference at the Post Graduate Institute of Medical Education & Research, Chandigarh, September 2024; Reviewer for national and international academic journals; Member Store Purchase Committee of Center for Integrative Medicine & Research (CIMR); Chairman, Selection Committee for recruitment of core staff at CIMR under COE Scheme, AYUSH

Stem Cell Facility

Dr Sujata Mohanty was received AIIMS International Fellowship award 2024. Received Appreciation award for Poster Presentation 2025 for the work entitled "Novel Amniotic Membrane based Hydrogel with Stem Cell Derived Extracellular Vesicles for Enhanced Skin Tissue Regeneration" at the EVOLVE 2025; Received Best Oral Presentation award 2025 for the work entitled "Acellular Innovations in Skin Regeneration: A Synergistic Multi-miRNA based MSC-sEV Formulation" at the EVOLVE 2025; Received 3rd Prize for Poster Presentation 2025 for the work entitled "Modulating the wound microenvironment via Mesenchymal Stem Cell derived small extracellular vesicles-loaded bioinspired scaffold with potent anti-inflammatory and anti-oxidative properties" at the EVOLVE 2025; Received 2nd Prize for Poster Presentation 2025 for the work entitled "Comparative Appraisal of MSC Sources and Hypoxia Preconditioning for the Isolation of NeuroregenerativesEVs: Paving the way for Advanced Cell-Free Therapeutics for Autism Spectrum Disorders" at the

EVOLVE 2025; Received 3rd Prize for Poster Presentation 2025 for the work entitled "Enhanced Wound Regeneration Using EV enriched secretome based 3D Bioprinted Constructs" at the EVOLVE 2025; Received commendation award at 4thAnnuak Research Day, 2025 for the work entitled "Novel Bimodal Fluorescent Magnetic Nanoparticle: A Smart Material for Stem Cell-Homing And Tracking"

Honours PGIMER, Chandigarh Faculty selection panel; Subject Expert for selection and promotion of faculties, KGMU, Lucknow; Board member, ISEV; President, InSEV; Organising secretary and convenor, InSEV

Scientific Committee Member: I have been nominated as Member in various scientific bodies:

National Institute of Immunology, New Delhi; Institute of Liver & Biliary Sciences, New Delhi; National Brain Research Centre, Manesar; THSTI, Faridabad; IIT, Indore; University of Delhi; CSIR-Institute of Genomics & Integrative Biology (IGIB); Indian Spinal Injuries Centre, New Delhi; Kavikrishna Lab IIT – Guwahati; Jamia Hamdard University; Shri Govind Singh Try-centenary University.; Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry; Regional Centre of Biotechnology (RCB), Faridabad. Amity University, Noida; IISER Bhopal; Chairman, AIIMS, Jammu

International Society for Cellular Therapy (ISCT); International Society for Stem Cell Research (ISSCR); Society of Biological Chemists (SBC); Indian Immunology Society; Indian Society of Nanomedicine; Indian Science Congress Association; Stem Cell Research Foundation of India; The Cytometry Society, India; Indian Society for Translational Research; The Biomedical Engineering Society (BMES); Board Member, International Society of Extracellular Vesicles (ISEV); President, Indian Society for Extracellular Vesicles (InSEV)

Visiting Scientist

Blood Transfusion Services

None

CARDIAC ANAESTHESIA AND CRITICAL CARE

None

CARDIAC PATHOLOGY

None

CARDIOLOGY

None

DEPARTMENT OF CARDIAC BIOCHEMISTRY

None

DEPARTMENT OF CARDIO- THORACIC &VASCULAR SURGERY

DEPARTMENT. OF CARDIOVASCULAR RADIOLOGY & ENDOVASCULAR INTERVENTIONS

None

NUCLEAR MEDICINE DEPARTMENT

None

STEM CELL FACILITY

Following scientists visited India for EVOLVE-2025

Dr Ana Claudia Trocoli Torrecilhas; Associate Professor II, Federal University of Sao Paulo, Brazil

Andreas Moller Professor, Director, JC STEM Lab of Personalised Cancer Medicine, Department of Otorhinolaryngology, Head and Neck Surgery, Li Ka Shing Institute of Health Sciences, The Chinese University of Hong Kong

Dr Chandan K Sen Professor, Pittsburgh University, USA

Mỹ G. Mahoney Professor, Department of Pharmacology, Physiology, and Cancer Biology, Department of Otolaryngology - Head and Neck Surgery, Sidney Kimmel Cancer Center, Thomas Jefferson University, USA

Dr. Shilpa Buch Professor, Univ of Nebraska Medical Center, USA

Dr Susmita Sahoo Professor, Mount Sinai, USA

Dr Suresh Mathivanan Professor, La Trobe University, Australia

Norhayati binti Liaqat Ali Khan Senior Lecturer (Anatomy), Head of Department & Resource Person, UniversitiTeknologi MARA, Malaysia

Palsamy Periyasamy Associate Professor, University of Nebraska Medical Center, Omaha, USA

Akhil Srivastava Assistant Professor, University of Missouri School of Medicine, Columbia, USA

Sharad Distinguished Professor, University of South Australia, Australia

10.2 Centre for Dental Education and Research

Chief

Ritu Duggal
(Orthodontics and Dentofacial Deformities)

Professors

Ajoy Roychoudhury
(Oral and Maxillofacial Surgery)

Ongkila Bhutia
(Oral and Maxillofacial Surgery)

Ajay Logani
(Conservative Dentistry Endodontics)

Veena Jain
(Prosthodontics)

Vijay Prakash Mathur
(Pedodontics)

Devalina Goswami
(Anaesthesia)

Additional Professors

Deepika Mishra
(Oral Pathology and Microbiology)

Amrita Chawla
(Conservative Dentistry Endodontics)

Vijay Kumar
(Conservative Dentistry Endodontics)

Dheeraj Koli
(On study leave for 2 years)
(Prosthodontics)

Kalpana Bansal
(Pedodontics)

Rahul Yadav
(Oral and Maxillofacial Surgery)

Nitesh Tewari
(Pedodontics)

Shalini Gupta
(Oral Medicine)

Harsh Priya
(Public Health Dentistry)
(on Duty Leave from September 2024 to
September 2025, for Commonwealth Scholarship
for Masters in Public Health at Imperial College London, UK)

Kunaal Dhingra
(Periodontics)

Vilas Samrit
(Orthodontics and Dentofacial Deformities)

Prabhat Kumar Chaudhari
(Orthodontics and Dentofacial Deformities)

Vikender Singh
(Periodontics)

Associate Professors

Sidhartha Sharma
(Conservative Dentistry Endodontics)

Morankar Rahul
(Pedodontics)

Krushna Bhatt
(Oral and Maxillofacial Surgery)

Aditi Nanda
(Prosthodontics)

Anika Dawar
(Periodontics)

Bharti M Purohit
(Public Health Dentistry)

Assistant Professors

Varun Surya
(Oral Pathology and Microbiology)

Rajiv B
(Orthodontics and Dentofacial Deformities)

Arun Kumar N
(Prosthodontics)

Highlights

Oral Medicine

Oral Medicine and Radiology is the main OPD at CDER where all new and old patients including EHS reporting to CDER are first examined and undergo radiological and other investigations before definitive treatment. It also does opportunistic screening for oral cancer and management of oral potentially malignant disorders. It runs a special clinic Oral Ulcer Clinic and soft tissue laser clinic where all oral mucosal lesions are managed. It is also the coordinating department for patients referred for Dental Clearance from IRCH, Medical Oncology, Cardiology, and Endocrinology before definitive treatment. It also does oral and dental screening for members of the GOI Antarctica team. It looks after all 2D dental radiological investigations like IOPA, Occlusal, OPG, Lateral Ceph, and 3D imaging with CBCT for all the clinical departments at CDER.

Oral and Maxillofacial Surgery

Division of Oral and Maxillofacial Surgery at the CDER, AIIMS has been providing state of art treatment for all the spectrum of maxillofacial surgery patients, Ours is one of the best Center for management of complex cases of TMJ ankylosis, sleep apnea, and maxillofacial deformities (congenital or acquired).

Conservative Dentistry Endodontics

The division entails management of endodontic emergencies, dental trauma, restorative and advanced nonsurgical/surgical endodontic manoeuvres. It has started 3D dynamic navigation for management of complex non-surgical and surgical cases. It has established a preclinical simulation laboratory. New dental units have been added. New speciality clinics, namely, dental trauma, esthetics and retreatment, have been initiated. It has achieved multiple publications in leading international and national peer-reviewed journals showcasing continuous progress in research. Furthermore, the division has been granted two extramural funded research projects this year. The division organized a first International Vital Pulp Therapy Symposium in India in the month of February 2025.

Orthodontics

Division of Orthodontics at the CDER, AIIMS has provided quality orthodontic care to patients with malocclusion, dentofacial deformities and cleft lip and palate. The department has provided leadership in the field at national and international level. In addition, the professional and academic expertise was also extended to various government/research organizations such as ICMR and Ministry of Health and Family Welfare and other institutions.

Periodontics

Division of Periodontics, CDER, deals with prevention, diagnosis and treatment of periodontal diseases. Our speciality provides optimum care to a huge number of patients visiting daily to seek periodontal treatment, as well as those referred from other departments. Multiple treatment procedures such as conventional non-surgical and microsurgical periodontal therapy, periodontal plastic surgery, soft and hard tissue regenerative procedures, diode laser assisted soft tissue excision and adjunctive pocket debridement procedures are being carried out in the division.

Oral Pathology and Microbiology

Oral Pathology and Microbiology has secured the National Accreditation Board for Testing and Calibration Laboratories (NABL) accreditation for the Department of Oral Pathology and Microbiology for ISO 15189. The division also secured the National Accreditation Board for Hospitals and Healthcare Providers (NABH) accreditation. We organised many workshops namely the AI in Health Workshop on Data, Validation, and Deployment of AI-Based Solutions (July 2024) and conducted sessions with the College of Nursing, Springer Nature, ICMR, IISc, and CHIP Foundation. It leads the Oral Cancer Project under AI COE Phase 2, funded by the Ministry of Education, and secured the Indo-Norway Grant with UiT Norway. Collaborative projects were initiated with IISc Bengaluru and dental institutes across India. The division developed a low-cost multimodal optical imaging microscopic device for early oral cancer diagnosis in collaboration with IIT Delhi.

Pedodontics

This year the department has been active and professionally served as experts to various National Research and regulatory bodies.

Public Health Dentistry

The Division of Public Health Dentistry seeks to prevent oral disease burden and promote oral health of populations rather than individuals. Dental Public Health works towards a comprehensive understanding of the factors that influence oral health and conducts health services research to bring about effective changes. The department runs Preventive Clinic, Tobacco Cessation service, conducts Capacity building programs for health and allied health professionals, organizes Outreach oral

health promotion activities and caters to the preventive and curative dental needs at the Comprehensive Rural Healthcare Project, Ballabgarh and Rotary hospital at Trilokpuri.

CDER is designated as WHO Collaborating Centre for Oral Health Promotion in the South East Asian Region.

The Ministry of Health and Family Welfare has designated the Centre for Dental Education and Research as the National Centre of Excellence for the Implementation of National Oral Health Program (NOHP). Currently, CDER is leading the National Oral Disease Burden Survey under the aegis of the Ministry of Health and Family Welfare. The department also actively participates in all the activities and research initiatives carried out under these designations.

Anaesthesia

Provides comprehensive perioperative care to all types of complex maxillofacial surgery patients of all age groups and surgeries including but not limited to temporo-mandibular joint disorders, trauma, tumors, and deformities. Clinical care includes pre-operative check-up, intraoperative management including invasive and non-invasive monitoring and postoperative follow-up.

National Oral Health Programme

Since the inception of the pilot project for the National Oral Health Programme in 1998, CDER has been a crucial supporter of the government, playing a key role in the implementation of several significant national projects and the development of guidelines and protocols. Recognising CDER's vital contribution to the program's implementation, it has been officially declared the National Centre of Excellence for NOHP with the following mandates:

1. Oral Health Promotion for Masses
2. Oral Health Promotion through Health Professionals
3. Advisory Role on Oral Health
4. Integration with other health programs for oral health promotion
5. Annual Review Meeting of State Nodal Officers under the National Oral Health Programme
6. Resource Hub for Impact of Sugar on Oral Health

NOHP:

Empowerment for Oral Health Promotion and Tobacco Cessation:

These participants were sensitised and trained as part of awareness generation, behavioural change, and integration of oral health into their routine general health activities.

- School Students
- School Teachers
- School Teacher Counsellors
- Healthcare professionals
- Police officers
- Border Security Force officers and staff
- AYUSH students and faculty
- Lab technicians
- Pharmacist

CMEs/Workshops/Symposia/National and International Conferences conducted by Faculty Members of CDER

1. Workshop on 'Microsurgical soft tissue augmentation around natural teeth and dental implants' from 3-5 April 2024 at AIIMS, New Delhi.
2. Oral Health awareness and promotion activity at Govt. Sarvodaya Kanya Vidyalaya (Gargi), Green Park Extn. New Delhi for school students, teachers and other staff on 3 April 2024.
3. Oral Health awareness and promotion activity at Govt. Sarvodaya Kanya Vidyalaya, Sec-I, M.B. Road, Pushp Vihar, New Delhi for school students, teachers and other staff on 10 April 2024.
4. Mastering anterior composite restorations on 14 April 2024 at New Delhi.

5. Oral Health awareness and promotion activity at Colonel Satsangi's Kiran Memorial Public School Ansal Villas, Satbari, Chattarpur, New Delhi, Delhi for school students, teachers and other staff on 24 April 2024.
6. 3-D dynamic navigation in endodontics on 27 April 2024 at AIIMS, New Delhi.
7. Online training on oral health promotion for class monitors in Assam on 27 April 2024.
8. Oral Health awareness and promotion activity at MCD Primary School, Neb Sarai, New Delhi for school students, teachers and other staff on 6 May 2024.
9. Oral Health awareness and promotion activity at MCD Primary School, Neb Sarai, New Delhi for school students, teachers and other staff on 7 May 2024.
10. Oral Health awareness and promotion activity at Sarvodaya Kanya Vidyalaya Hauz Khas 2 Malviya Nagar for school students, teachers and other staff on 9 May 2024.
11. Workshop on "Demystifying Digital Personal Data Protection Act, 2023" on 11 May 2024, Delhi, organised by Division of Oral Pathology and Microbiology, CDER, AIIMS.
12. Online lecture on E- Cigarette Online Awareness Session for Sharda University, Noida on 24 May 2024.
13. Online lecture on E- Cigarette Online Awareness Session for Sharda University, Noida on 27 May 2024.
14. Lecture on ill effects of tobacco use on oral health and tobacco cessation counselling techniques for School Nodal Teachers in Delhi on 28 June 2024.
15. Lecture on ill effects of tobacco use on oral health and tobacco cessation counselling techniques for police officers in Barakhamba road police station on 1 July 2024.
16. Online Lecture Series on Public Health Dentistry Initiative in my University by Nicolas Giraudeau, at Université de Montpellier, France on 5 July 2024.
17. Lecture on ill effects of tobacco use on oral health and tobacco cessation counselling techniques for school counsellors of Delhi Government schools on 9 July 2024.
18. Lecture for NCD State Nodal Officers on Overview of oral health programme at the primary health care level State Nodal Officers from Kerala, Tamil Nadu and West Bengal on 18 July 2024.
19. Workshop on "AI in health: workshop on Data, Validation and Deployment of AI-based Solutions on 25 July 2024, Delhi organized by Division of Oral Pathology and Microbiology, CDER, AIIMS, in collaboration with ICMR Delhi, FIND organization, Geneva and ARTPARK, IISc, Bengaluru.
20. Lecture for NCD State Nodal Officers on Overview of oral health programme at the primary health care level, State Nodal Officers from Uttarakhand, Lakshadweep, DD & DNH, ANI, Goa, Odisha, Haryana, Chandigarh and Delhi on 31 July 2024.
21. Online Lecture Series on Big Data Studies in Dentistry and Craniofacial Research by Professor Galit Almoznino, Hebrew University of Jerusalem, Israel on 9 August 2024.
22. Lecture for NCD State Nodal Officers on Overview of oral health programme at the primary health care level, State Nodal Officers from Chhattisgarh, Maharashtra, Gujarat, Telangana, Punjab, Jammu and Kashmir, Ladakh and Himachal Pradesh on 12 August 2024.
23. Lecture for NCD State Nodal Officers on Overview of oral health programme at the primary health care level, State Nodal Officers from Chhattisgarh, Uttar Pradesh, Rajasthan, Madhya Pradesh, Bihar, Karnataka and Jharkhand on 28 August 2024.
24. 3rd AIIMS Periodontal & Peri-implant Plastic Surgery Symposium and Microsurgical Cadaveric Workshop from 5-7 September 2024 at AIIMS, New Delhi.
25. Lecture for NCD State Nodal Officers on Overview of oral health programme at the primary health care level, State Nodal Officers from Assam, Sikkim, Nagaland, Manipur, Mizoram, Arunachal Pradesh, Meghalaya, Tripura, Lakshadweep and Telangana on 10 September 2024.
26. Training on oral health promotion for teachers in RK Puram on 10 September 2024.
27. Lecture on "How to maintain oral and general health" for teachers and students in RK Puram on 11 September 2024.
28. Online Lecture Series on Dental Public Health & Technology by Prof Maha El Tantawi, Alexandria University, Egypt on 20 September 2024.

29. Oral health promotion and awareness dental booth in Institute Day at AIIMS, New Delhi on 27 September 2024.
30. Advancing Oral Health in India-The Oral Health Collaborative Network at CDER, AIIMS on 29 September 2024.
31. Organization Committee (Publication Committee) of the Global American Academy of Implant Dentistry & World Congress of Oral Implantology organized by the American Academy of Implant Dentistry and World Congress of Oral Implantology at New Delhi from 7-10 November 2024 at Leela Ambience Convention Centre, New Delhi.
32. 4th National Steering Group Meeting under NOHP to discuss the monitoring framework of the National Oral Health Action Plan (NOHP) 2023–2030, aligning them with the Global Oral Health Action Plan (GOHAP) 2023–2030 on 12-13 November 2024.
33. 4th National Steering Group meeting of National Oral Health Program at National Referral & Research Institute for Higher Dental Studies (NaRRIDS), CDER, AIIMS, New Delhi from 12-13 November 2024.
34. Oral Health Screening at the National Association of Blind School at RK Puram on 14 November 2024.
35. Workshop on 'Microsurgical tunnelling flaps for soft tissue augmentation around natural teeth and dental implants' from 20–22 November 2024 at AIIMS, New Delhi
36. Oral health screening and promotion at the Indian International Trade fair 2024 at NOHP Booth in collaboration with MoHFW for General Public from 14-27 November 2024.
37. Chairing for table clinic in 52nd Indian Prosthodontic Society from 21-24 November 2024 at CK Convention Centre, Vijayawada.
38. Hands-on workshop on "Oral cancer screening and prevention Techniques" in collaboration with the College of Nursing on 24 November 2024.
39. Workshop – "ANVESHAN: Early Cancer Detection in India: A Stakeholder's view on current landscape and future directions" on 17 December 2024 at AIIMS organised by Div of Oral Pathology and Microbiology in collaboration with the CHIP Foundation, New Delhi.
40. Workshop on "Strategizing Early Detection and Prevention of Oral Cancer: Reducing India's Cancer Burden" on 16 January 2025 at AIIMS Delhi.
41. AICOE oral cancer cohorts and MIDAS workshop on 12 February 2025, at AIIMS, New Delhi.
42. 3rd AIIMS Oral Pathology Symposium - "Skill-Building Workshop", on 13 February 2025 at AIIMS, New Delhi.
43. National Annual Review Meeting of National Oral Health Program at National Referral & Research Institute for Higher Dental Studies (NaRRIDS), CDER, AIIMS, New Delhi from 13-14 February 2025.
44. Discussion and Presentation of states progress by state nodal officers under NOHP and Orientation of state nodal officers for HIMS on 13-14 February 2025.
45. Online training on oral health promotion for class monitors on 15 February 2025.
46. Online training on oral health promotion for students from class 6 -9 on 17 February 2025.
47. International Vital Pulp Therapy Symposium and Workshop from 19-21 February 2025 at New Delhi.
48. Oral Health Awareness, Oral Cancer & Tobacco Cessation Sensitisation Program for Sanitary Workers on 18 March 2025.
49. Oral Health Awareness and Promotional Activities for Paediatric Cancer Patients on 21 March 2025.
50. Workshop on 'Systematic Review and Meta-analysis for Dental Professionals' from 21-22 March 2025 at AIIMS, New Delhi.
51. Oral Health Awareness Activity for Children, Paediatric Department, Mother and Child Block on 24 March 2025.
52. Oral Health Awareness, Oral Cancer & Tobacco Cessation Sensitisation Program for Hospital Attendants on 25 March 2025.
53. Oral Health Awareness for Special Children – Palna, Delhi Council of Child Welfare Oral Health Awareness for Special Children – Palna, Delhi Council of Child Welfare on 27 March 2025.

Lectures delivered at CMEs, National and International conferences

Lectures delivered: 162

Ritu Duggal: 3	**Ajoy Roychoudhury: 10**	**Vijay Prakash Mathur: 14**
Ajay Logani: 8	**Devalina Goswami: 3**	**Deepika Mishra: 33**
Kalpana Bansal: 3	**Amrita Chawla: 2**	**Rahul Yadav: 2**
Nitesh Tewari: 31	**Shalini Gupta: 1**	**Harsh Priya: 12**
Kunaal Dhingra: 1	**Vilas Samrit: 1**	**Vikender Singh: 6**
Sidhartha Sharma: 4	**Morankar Rahul: 2**	**Anika Dawar: 1**
Bharati M Purohit: 11	**Varun Surya: 13**	**Rajiv B: 1**

Ritu Duggal

1. The art of presenting long case presentation for postgraduation examination in orthodontics, Kalinga Postgraduate Academic Recap (KPAR), October 2024, Bhubaneswar
2. Class II non-surgical management, 28th Indian Orthodontic Society Post Graduate Convention, 2025, 20 February 2025, Faridabad
3. National oral health Programme - Overview, 1st INI Dental Conference, 27 March 2025, Kalyani

Ajoy Roychoudhury

1. Digital Applications in Orthognathic Surgery, 76th Annual Scientific Meeting of the faculty of Dentistry, Universitas Gadjah Mada- Faculty of Dentistry, 26 April 2024, Indonesia
2. Digital Orthognathic Surgery, International Digital Dentistry Congress, 8 June 2024, Mumbai
3. Art And Science of TJR, Asian Congress of Oral & Maxillofacial Surgeons- under the Indian Association of Oral & Maxillofacial Surgeons, 25 July 2024, Chennai
4. Digital Dentistry, International College of Dentists and National Academy of Medical Sciences, 31 August 2024, Bangalore
5. Condylar head fractures, Systematic review and meta-analysis, 106th AAOMS Annual Meeting, Scientific Sessions and Exhibition, 9 September 2024, Orlando
6. Does lateral pterygoid muscle reattach after autogenous reconstruction of TMJ, 106th AAOMS Annual Meeting, Scientific Sessions and Exhibition, 9 September 2024, Ornaldo
7. Avoiding complication in Reconstructive TMJ surgery, 48th Annual conference of association of Oral & Maxillofacial Surgeons of India, 12 December 2024, Kolkata
8. CCG Step By Step, AO CMF Lighthouse Course—TMJ Surgery (with wet-lab), 6 February 2025, Netherlands
9. Temporalis inter positioning, AO CMF Lighthouse Course—TMJ Surgery (with wet-lab), 6 February 2025, Netherlands
10. Avoiding Complications in TJR, AO CMF Lighthouse Course—TMJ Surgery (with wet-lab), 6 February 2025, Netherlands

Vijay Prakash Mathur

1. Soft Tissue management: as essential paradigm, Indian Society of Dental traumatology, 4 April 2024, Goa
2. National Consultation to optimize antimicrobial use, Human Healthcare at NCDC, 2 May 2024, Delhi
3. Smiles across Culture's & boundaries, Indian Society of Pedodontics and Preventive Dentistry, 4 July 2024, Vietnam
4. Unveiling the Secrets of Dental Trauma, IX National Symposium of ISDT, 24 August 2024, Indore
5. Early Childhood Caries, Lecture, 30 August 2024, Chennai
6. Strategies for effective Dental Trauma Care, NAMMA PEDO, ISPPD National Conference, 26 September 2024, Bangalore
7. Dental Antimicrobial Stewardship: Scope for optimizing antimicrobial, G-SPAC 2024, 3 October 2024, Hyderabad

8. Management of Paediatric dental Patients with bleeding disorders, Postgraduate Institute of Child Health, 11 November 2024, Noida
9. Innovations in Antimicrobial Resistance, Global Conclave on Oral Health Innovation and Research, 15 February 2025, New Delhi
10. Finalization of the treatment for antimicrobial use, Human Healthcare at NCDC, 27 February 2025, Delhi
11. Antimicrobial Stewardship in Dental Practice, Delhi Society for promotion of Rational use of Drugs, 8 March 2025, Online
12. Prevent Rescue, Preserve, 5th National Conference of ISDT, 20 March 2025, Chennai
13. Anti- Microbial Resistance in Dentistry, Lecture, 21 March 2025, Vijayawada
14. Research Funding Opportunities in India, 1st INI Dental Conclave, 27 March 2025, Kalyani

Ajay Logani

1. CBCT based diagnosis of traumatic dental injuries: the third eye, 4th National Conference of Indian Society of Dental Traumatology (ISDT), 4 April 2024, Goa
2. Apical Barrier Technique for Predictable Management of Non-vital Immature Teeth, 4th National Conference of Indian Society of Dental Traumatology (ISDT), 5 April 2024, Goa
3. Guest lecture on endodontics, ENDOVISTA 2024, 19 April 2024, Navi Mumbai
4. What and when to do in crown fractures of permanent teeth, PEDOMATICS - V, 24 August 2024, Indore
5. Managing lesions of Endodontic origin. This way, That way, Another way, 39th National Conference of Indian Association of Conservative Dentistry and Endodontics, 28 November 2024, Mumbai
6. Vital Pulp Therapy, CRESCENDO 2025, 9 January 2025, Pune
7. Vital Pulp Therapy Approaches for Managing Traumatic Dental Injuries, International vital pulp therapy symposium, 20 February 2025, New Delhi
8. Follow up in trauma- why, when and how, 5th National Conference of Indian Society of Dental Traumatology, 20 March 2025, Chennai

Devalina Goswami

1. Paediatric airway assessment, 1st Paediatric airway workshop IAPA, 27 April 2024, Jodhpur
2. Fibreoptic bronchoscope, Neonatal airway workshop, 21 July 2024, New Delhi
3. Prematurity – Panel discussion, 3rd National Annual Conference for NASON-2024, 27 July 2024, New Delhi

Deepika Mishra

1. Securing Research Grants, Bharati Vidyapeeth Dental College and Hospital, Navi, Mumbai, 14 May 2024, Mumbai
2. Generating Medical Imaging Datasets for tobacco induced oral lesions to enhance health in research in India study, Global Oral Cancer Forum, 26 May 2024, Malaysia
3. Networking on AI for Oral Cancer Detection, CDE Program, 29 May 2024, Meerut
4. Tobacco and its implications, CDE Program, 30 May 2024, New Delhi
5. Journey of Intruders: Unraveling Metastasis in the Oral Cavity (Dr Abhay Chandak Memorial Lecture), XXI National Post Graduate Convention of Indian Association of Oral and Maxillofacial Pathologist, 16 June 2024, Pune
6. Pathohub: revolutionizing tele oral pathology - a platform for diagnosis, education, and collaboration, International association of oral and maxillofacial pathologists, 17 June 2024, Mexico
7. Clinical pathological conference on Metastatic breast carcinoma, International association of oral and maxillofacial pathologists, 22 June 2024, Mexico
8. AI based strategies for early detection and reduction of oral cancer stages, CDE Program, 5 July 2024, Online
9. AI Powered Diagnostics: Transforming Oral Cancer Detection, CDE Program, 6 July 2024, Chennai
10. The Oral Cancer Data Hub, Oral Cancer Task Force Conference, 26 July 2024, Bangalore
11. Head and neck conference AICOE, Oral Cancer Task Force Conference, 27 July 2024, Bangalore

12. Empowering National Health programs for early Oral Cancer Detection through scalable AI solutions, CDE Program, 16 August 2024, Chennai
13. Artificial Intelligence in Histopathology, AI in Healthcare, Medical Education & Learning point, 16 August 2024, Online
14. Epidemiology of oral cancer and HPV as risk factor: an introduction, 9th Advanced Cancer Screening Training Program for Dentists (ACSTP-O9), 20 August 2024, New Delhi
15. Future of Oral Cancer Diagnosis: Artificial Intelligence & Machine Learning Approaches, International College of Dentists – Continuing Medical Education and Scientific Fest, 1 September 2024, Bangalore
16. Harnessing AI for Transformative Training in Traditional Medicine: Identifying Needs and Crafting an Ethical Roadmap, Global technical meeting: Artificial Intelligence (AI) for Global Health Advancing Traditional Medicine (TM), 12 September, New Delhi
17. Research Integrity and its role in Strengthening Indian Healthcare Research, Research Integrity and how to strengthen it, 20 September New Delhi
18. Empowering Research, How to Publish impactful Research Papers, 7 October Manipal
19. Technology Shaping the Future of Medical Science: AI in Medical Teaching Research and Clinical Services, Workshop on Emerging Technologies for Health Care, 22 October New Delhi
20. Networking for artificial intelligence for oral cancer, Symposium on What is new in Cancer prevention Treatment and Future research, 25 October 2024, Meerut
21. AI in oral health, Recent Advances and Role of Artificial Intelligence in OPMDs and Training for Biopsy Techniques, 6 December 2024, New Delhi
22. Vigyan AI (Science and Specialized Knowledge) Virtual teaching and AI as catalyst, Workshop on Drishti se Vivek tak; Reimaging Health Communication in the AI era, 9 December 2024, New Delhi
23. Thematic area – Oral lesions AIIMS and IISc. Challenge, structuring the data through strong SoPs, progress, ICMR-IISc MIDAS Onboarding Workshop, 10 December 2024, Bangalore
24. Digital health and innovations, 3rd edition of the Global Women's Health Innovation Conference & Awards 2024, 11 December 2024, Mumbai
25. Empowering National Health programs for early oral cancer detection through scalable AI solutions, Anveshan: Early cancer detection in India, 17 December 2024, New Delhi
26. Research Grant writing, CDE Program, 24 December 2024, Indore
27. Building an AI-Compatible Database Ecosystem: Insights from MIDAS journey, AI Dermatology: Experts Perspective organised by The Indian Association of Dermatologists, Venerologists and Leprologists (IAVDL), 11 January 2025, Online
28. Current Trends and Emerging Challenges in Oral Cancer Prevention, Strategizing Early Detection and Prevention of Oral Cancer and Reducing India's Oral Cancer Burden, 16 January 2025, New Delhi
29. Platform for Quality-graded Health Data for AI-enabled Healthcare in India, Workshop on MIDAS organised by IISc Bengaluru, 28 January 2025, Bangkok, Thailand
30. Scaling AI for Equitable Healthcare: India's Strategy & AIIMS' Role, Session organised by WHO Headquarters Geneva at Prince Mahidol Award Conference, 2 February 2025, Bangkok, Thailand
31. Immune Genetics and Oral Cancer: Harnessing the Power of Immunogenomics, Global Conclave on Oral Health Innovation & Research (GCOHIR), 16 February 2025, New Delhi
32. Women in Sustainable Research, India Sustainability Conclave 2025, 27 February 2025, Gandhinagar
33. Oral Health and Oral Cancer, Global Initiative on AI for Health (GI-AI4H) organised by WHO Headquarters Geneva, 19 March 2025, Online

Kalpana Bansal

1. Comparison of retention rates of silver nanoparticles based fissure sealant and conventional resin sealant- a one year randomized clinical trial, 63rd Annual Scientific Meeting of the IADR ANZ Division, 26 September 2024, Cairns, Queensland, Australia
2. Dental Fluorosis- An overview & Diagnostic features, 36th International Conference of the International Society for Fluoride Research (ISFR), 12 November 2024, New Delhi

3. An evidence-based update on use of SMART (SDF modified ART) in Pediatric Dentistry, 21st Postgraduate Convention of ISPPD, 31 January 2025, Navi Mumbai

Amrita Chawla

1. MTA barrier technique, 4th National Conference Of Indian Society For Dental Traumatology, 4 April 2024, Goa
2. Mouth guards in sports dentistry, 5th National Conference Of Indian Society For Dental Traumatology, 20 March 2025, Chennai

Rahul Yadav

1. Transport distraction osteogenesis for RCU Reconstruction, 48th Annual conference of association of Oral & Maxillofacial Surgeons of India, 11 December 2024, Kolkata
2. Keynote lecture on distraction osteogenesis, 48th Annual conference of association of Oral & Maxillofacial Surgeons of India, 11 December 2024, Kolkata

Nitesh Tewari

1. Conducted Pre Congress workshop on management of tooth avulsion and splinting, 4th National Conference Of Indian Society For Dental Traumatology, 5 April 2024, Goa
2. Evolution of dental trauma classifications, 4th National Conference Of Indian Society For Dental Traumatology, 5 April 2024, Goa
3. Conducted a workshop management of crown fractures in permanent teeth with lectures on the endodontic aspects and fragment reattachment along with a demonstration of fragment reattachment technique, Dental Traumatology Day at Babu Banarasi Das University, 13 April 2024, Lucknow
4. Conducted a workshop on systematic reviews and meta-analysis, Evidence Based Medicine Conclave in Dharmsinh Desai University, 20 April 2024, Gujarat
5. Conducted workshop a full-day course on Dental Traumatology (5 lectures), Dental Traumatology Conclave at PMS Dental College, 3 May 2024, Kerala
6. Dental Trauma recordings in Sports Dentistry, Indian Academy of Sports Dentistry organized by the head office of the Indian Dental Association, 12 May 2024, Online
7. Non-Surgical Management of Peri-radicular lesions after traumatic dental injuries, 22nd World Congress of Dental Traumatology, 13 July 2024, Tokyo
8. Evidence Based Dental Traumatology, 22nd World Congress of Dental Traumatology, 14 July 2024, Tokyo
9. Conducted workshops on grant writing and funding opportunities and Evidence Based dentistry (7 lectures and 6 hands on modules), Research Conclave at KSR Dental College, Tiruchengode, Tamil Nadu, 26 July 2024, Tamil Nadu
10. Traumatic dental injuries of primary and permanent teeth in the N-Pedia, Rapid revision program organized by the Narayana Dental College and Hospital, Nellore, Andhra Pradesh, 27 July 2024, Online
11. The systematic art of reviewing systematic reviews, Author and Reviewer's Workshop of Indian Society of Pedodontics and Preventive Dentistry, 9 August 2024, Gujarat
12. Conducted Hands on workshop on fragment reattachment, CDE program on Dental Trauma Organized by the West Bengal State branch of Indian Dental Association, 17 August 2024, West Bengal
13. Guidelines for immediate management of traumatic dental injuries, CDE program on Dental Trauma Organized by the West Bengal State branch of Indian Dental Association, 17 August 2024, West Bengal
14. Management of tooth avulsion: critical insights for predictable success, IX National Symposium of Indian Society of Dental Traumatology, 24 August 2024, Indore
15. Classification, etiopathogenesis, and pulp considerations in crown fractures and the fragment reattachment, Dental Traumatology Conclave at Manav Rachna Dental College, 31 August 2024, Faridabad
16. Conducted a hands on workshop on fragment reattachment in crown fractures, Dental Traumatology Conclave at Manav Rachna Dental College, 31 August 2024, Faridabad
17. Management of injury to primary dentition, PediaRaRe 5.0 the rapid revision programme organized by the Indian Society of Pedodontics and Preventive Dentistry, 10 September 2024, Online
18. Non-Surgical Regenerative Management of Large Periapical Lesions in Traumatized Teeth, 12th Russian Paediatric Dentistry Forum, 21 September 2024, Russia

19. Interdisciplinary Dental Traumatology: Critical Insights from clinical cases, 45th National Conference of Indian Society of Pedodontics and Preventive Dentistry, 27 September 2024, Bangalore
20. Conducted workshop on systematic reviews and meta-analysis for faculty, post graduates and research scholars, Research Conclave at Saveetha Dental College, 3 October 2024, Chennai
21. Dental trauma case files, National Conference of the Indian Endodontic Society, 4 October 2024, Chennai
22. Conducted two days systematic review workshop, Research Methodology Conclave in Vishnu Dental College, 22 October 2024, Andhra Pradesh
23. Delayed complications of traumatic dental injuries, 12th Conference of Paediatric Dentistry Association of Asia 2024, 1 November 2024, Thailand
24. Late complications of traumatic dental injuries on dental pulp and their management, IAPD Global Summit, 9 November 2024, Portugal
25. Orthodontic management of traumatized teeth, Master Class on Dental Traumatology during the 2nd AMiT Summit, 13 November 2024, Germany
26. Endodontic Consideration for traumatized teeth, Academic conclave of the Ege University Izmir, Turkey, 29 November 2024, Online
27. Network Meta-analysis, Sensitivity Analysis, Handling the missing data, and EndNote Reference management, Five days SARANSH workshop on systematic review and meta-analysis for the mid-career faculties from medical and dental colleges in North India, 18 December 2024, Delhi
28. Interdisciplinary dental trauma management: evidence based clinical insights, IAPD symposium in FDI regional congress, 17 January 2025, Saudi Arabia
29. Orthodontic management of traumatized teeth, Dental Traumatology Symposium in the 21st National Postgraduate Symposium of Indian Society of Pedodontics and Preventive Dentistry, 31 January 2025, Navi Mumbai
30. Vital pulp therapy of primary teeth: where do we stand now?, International Vital pulp Therapy Symposium, 21 February 2025, New Delhi
31. Management of tooth avulsion, International online lecture in Jordan University of Science and Technology, 26 March 2025, Online

Shalini Gupta

1. Temporomandibular Disorders: An Overview, Temporomandibular disorders: Unravelling the Gordian knot organized by VMMC Safdarjung Hospital, 6 July 2024, New Delhi
2. Advanced diagnostic adjuncts for OPMDs and Oral cancer, ECHO course organized by NICPR ICMR Noida for dentists, 1 October 2024, Online

Harsh Priya

1. 360 degrees learning on e-Cigarettes: Myth busted of Harm Reduction, 15th Indian Association of Public Health Dentistry National PG Convention, 20 April 2024, Pune
2. Empowering Educators to Champion Oral Health: A Persistent Endeavor, WHO -CC online meeting, 21 May 2024, New Delhi
3. Impact and Burden of e-Cigarette, School of Dental Sciences, Sharda University, Greater NOIDA, 27 May 2024, New Delhi
4. National and International Dental Public Health Initiatives in India, Seminar, 3 June 2024, AIIMS, Bathinda
5. Training of ASHAs on “Oral Cancer” Batch 1, Training, 12 July 2024, New Delhi
6. Training of ASHAs on “Oral Cancer” Batch 2, Training, 15 July 2024, New Delhi
7. Oral Premalignant Lesion and Oral Cancer lesion in Tribal Population (Plenary session), 1st National Conference on Tobacco Use among Tribal Communities (TUTC 2024), 21 July 2024, AIIMS Deoghar
8. Tobacco and its ill effects on Oral and General Health, Training programme for Health Professionals” (02 Batches- Staff Nurse- CGHS and ANM/LHV) NTCP-NDD, 22 July 2024, New Delhi
9. Outreach Coverage – Taking Care of the Marginalised, Head and Neck Cancer Day Conference held in IISc Bangalore, 26 July 2024, New Delhi
10. Behavioral Support of Tobacco Cessation (5A’s) – A Clinical Insight, Community medicine postgraduates and faculty of Medical Colleges in Nepal, 14 August 2024, Online

11. Training of Law Enforcers on Tobacco Regulations, Training of Police Officers under DCP-SW, 30 August 2024, New Delhi
12. Module 6: Behavioural Support for Tobacco Cessation (5A's and 5R's), Advanced Tobacco Cessation Training Program (Creating TCC Champions), 28 October 2024, Online

Kunaal Dhingra

1. Tunneling flaps for gingival recession defects, Hands-on workshop on "Microsurgical management of gingival recession defects", 12 December 2024, Faridabad

Vilas Samrit

1. Panelist for the scientific session, 28th IOS PG Convention, 20 February 2025, Faridabad

Vikender Singh

1. Periodontal Plastic Surgery for late soft tissue complications in traumatic dental injuries, 4th National Conference of Indian Society of Dental Traumatology, 6 April 2024, Goa
2. Connective tissue graft harvesting techniques, CDE Program, 2 May 2024, Manipal
3. Keratinized tissue augmentation around teeth and implants, 3rd AIIMS Periodontal and Peri- implant Plastic Surgery Symposium, 5 September 2024, New Delhi
4. Tunneling techniques: from evolution to current techniques, 3rd AIIMS Periodontal and Peri- implant Plastic Surgery Symposium, 7 September 2024, New Delhi
5. Craft the graft: soft tissue augmentation around implant using autogenous graft, 30th National Conference of Indian Society of Oral Implantology, 29 September 2024, Indore
6. Incorporating soft tissue grafting into clinical practice, 42nd M.P. State Dental Conference, 30 November 2024, Jabalpur

Sidhartha Sharma

1. Static navigation in endodontics, 3D Dynamic Navigation in Endodontics, 27 April 2024, New Delhi
2. Apical barrier technique using silicate cements, PEDOMATICS- V, 24 August 2024, Indore
3. Apical Barrier Technique, IDA west Bengal workshop, 9 October 2024, West Bengal
4. 3D Dynamic navigation for management of pulp canal obliteration in traumatized teeth, 5th National Conference Of Indian Society For Dental Traumatology, 20 March 2025, Chennai

Morankar Rahul

1. Late and Long-term outcome for Childhood Cancer Survivors affecting dental and oral health, Childhood Cancer Survivorship Program Project Review Meeting, 21 February 2025, New Delhi
2. Critical evaluation of the success of Regenerative Endodontic Therapy, 5th National Conference of the Indian Society of Dental Traumatology, 22 March 2025, Chennai

Anika Dawar

1. Scientific Writing, CME, 16 May 2024, Meerut

Bharati M Purohit

1. E- Cigarette Online Awareness Session, Sharda University, Noida, 27 May 2024, Greater Noida
2. E- Cigarette Online Awareness Session, Sharda University, Noida, 28 May 2024, Greater Noida
3. Expert for 'Hello Doctor Live Panel Discussion and Phone –in' on the topic 'Oral Hygiene', Door Darshan Live Health show, 30 May 2024, New Delhi
4. Moderator for the Panel discussion on - Childhood education as a prevention strategy to address the massive burden of lifetime oral health ailments, Advancing Oral Health in India-The Oral Health Collaborative Network, 29 September 2024, New Delhi
5. Training for teachers on awareness of harmful effects of tobacco products and implementation of ToFEI guidelines under NCTP, State Tobacco Control Cell, NTCP, 8 November 2024, Delhi
6. Training of Nodal Officer (Hospital) under NTCP, State Tobacco Control Cell, NTCP Delhi, 14 January 2025, Delhi

7. Training of ASHA workers for oral health promotion, World Oral Health Day 2025, 20 March 2025, Trilokpuri
8. Lecture for Sanitary workers for oral health promotion, World Oral Health Day 2025, 21 March 2025, New Delhi
9. Lecture for cancer survivor kids and guardians for oral health promotion, World Oral Health Day 2025, 25 March 2025, New Delhi
10. Lecture for Hospital attendants for oral health promotion, World Oral Health Day 2025, 26 March 2025, New Delhi
11. Lecture for cancer survivor kids and guardians for oral health promotion, World Oral Health Day 2025, 27 March 2025, New Delhi

Varun Surya

1. Digital Healthcare System in India, Global Oral Cancer Forum, 26 May 2024, Malaysia
2. Oral Cancer Data hUB(Progress report), Head and Neck Cancer Day Programme, 26 July 2024, Bangalore
3. Potential uses of AI in oral cancer diagnosis and precancerous lesion detection, National level workshop on AI in dentistry, 9 August 2024, Chennai
4. AI tools in detection of oral cancer: Data collection and anonymization, National level workshop on AI in dentistry, 10 August 2024, Chennai
5. Oral Potentially Malignant Disorders (OPMDs): an overview, National Institute of Cancer Prevention and Research, 17 September 2024, Online
6. Safeguarding Smile with cancer screening and prevention Techniques, CME organised by College of Nursing, AIIMS, 25 November 2024, New Delhi
7. OPMD-Newer perspective, Early detection with spectroscopy, Dr. D.K. Daftary Symposium at 31st National Conference of IAOMP, 30 November 2024, Kodaikanal
8. Role of AI in diagnosing OPMD, Workshop on Oral Potentially Malignant Disorder (OPMD) under NOHP, 6 December 2024, New Delhi
9. Medical device based oral cancer screening! Sustainability and scalability, Anveshan: Early cancer detection in India, 17 December 2024, New Delhi
10. Role of AI-enabled medical devices in oral cancer screening, CME on AI in medical education, 21 December 2024, Pune
11. Artificial intelligence Centre of Excellence Objectives, AICOE-MIDAS workshop, 12 February 2025, New Delhi
12. Python coding for doctors, AIIMS 3rd Oral Pathology Symposium, 13 February 2025, New Delhi
13. Oral Health and Oral Cancer, Global Initiative on AI for Health (GI-AI4H), 19 March 2025, Online

Rajiv B

1. Panelist in symposium and hands-on workshop on “PLAY SAFE With Custom-Made Sports Mouth Guards”, 5th National conference of Indian Society of Dental Traumatology, 20 March 2025, Chennai

LECTURES DELIVERED OVER THE PAST 3 YEARS:

2022-2023	2023-2024	2024-2025
140	189	162

List of Oral Papers/ Posters presented: 95

1. Abhinya T, Duggal R, Development of 2D yardstick for treatment Difficulty of Maxillary impacted canine, North Zone PG Convention, 21 June 2024, ITS College, Ghaziabad
2. Amritha R, Mathur VP, Bansal K, Tewari N, Morankar R, Luxation injuries in permanent anterior teeth: A case series, 4th ISDT National Conference, 5 April 2024, Hotel Radisson Blu, Goa
3. Barath R, Sood A, Mishra D, Surya V, Rachel B, Malhotra R, et al, Revolutionizing Oral Cancer Screening with AI at Maha Kumbh 2025, Indo-French Symposium 2025, 23 March 2025, Research & Innovation block, IIT Delhi
4. Beryl R, Sood A, Mishra D, Surya V, Malhotra R, Nayyar V, et , Anonymization in medical imaging datasets, 31st IAOMP National Conference, 29 November 2024, Hotel Kodai International, Kodaikanal

5. Beryl R, Sood A, Mishra D, Surya V, Malhotra R, Nayyar V, et al, Development of AI-enabled oral cancer screening App with tobacco usage survey, 4th Research Day, 30 January 2025, AIIMS, New Delhi
6. Beryl R, Sood A, Mishra D, Surya V, Malhotra R, Nayyar V, et al, Ensuring Privacy in Medical Imaging: Identifying crucial Parameter for pseudo anonymization in Dataset Creation – A systematic scoping review, 4th Research Day, 30 January 2025, AIIMS, New Delhi
7. Bhaskar N, Beryl R, Sood A, Mishra D, Surya V, Malhotra Ret al, VARTALAP"- A Proposed Tobacco Cessation Smartphone Application, 4th Research Day, 30 January 2025, AIIMS, New Delhi
8. Chauhan J, Logani A, Increase in traumatic dental injury sustained by women scooter motorist: probable causes and endodontic implications, 32nd National Conference of IES, 3 October 2024, Chennai
9. Chawla A, Faizal A, Sharma S, Kumar V, Logani A, An Alternate Pulpotomy Technique Performed in Carious Permanent Mature Mandibular Molar Teeth with Symptoms Indicative of Irreversible Pulpitis: A Case Series, American Association of Endodontists (AAE) Annual Meeting, 17 April 2024, Convention Center West Hall, Los Angeles
10. Chawla A, Singh S, Sharma S, Kumar V, Logani A, Selective Root Retreatment: A Case Series with CBCT follow-up, 39th National Conference of Indian Association of Conservative Dentistry and Endodontics (IACDE), 28 November 2024, Mumbai
11. Dalal N, Logani A, Application of 3-T contrast enhanced M.R.I. Imaging in treatment planning in pulpotomy – A case report, 39th National Conference of IACDE, 28 November 2024, Mumbai
12. Dasgupta D, Logani A, Effect of different endodontic access cavity designs on the sealing ability of temporary restorative material: An ex-vivo comparative study, 32nd National Conference of IES, 3 October 2024, Chennai
13. Dawar A, Gupta N, Sharma A, Khan MA, NLRP3 Gene Polymorphisms and their expression in Periodontitis: A Genetic Association Study in North Indian Population, 48th National Conference of Indian Society of Periodontology, 16 October 2024, Panaji
14. Dawar A, Haidrus R, Das SK, Vitamin C Mesotherapy with Microneedling for esthetic management of physiologic melanin hyperpigmentation in thin gingival biotype: A case series, 33rd Annual conference of Indian Academy of Aesthetic and Cosmetic Dentistry, 9 August 2024, New Delhi
15. Ghan F, Sharma S, Krishnan A, Effect of External Splinting on Pulp Survival in Cracked Tooth with Normal Pulp or Reversible Pulpitis: A Systematic Review and Meta Analysis, 32nd National Conference of IES, 3 October 2024, Chennai
16. Goswami D, Parajuli S, Roychoudhury A, Bhutia O, Recovery characteristics of patients using two anaesthesia techniques in major maxillofacial surgery: A randomized controlled trial, 37th Congress of European Society of Intensive Care Medicine, 8 October 2024, CCIB, Barcelona
17. Greeshma G, Duggal R, Psychological distress among parents of children & adolescent with cleft lip & palates – A systematic review, ECPCA – 2024 congress Milan, 24 June 2024, Milan, Italy
18. Gupta SR, Lonyal J, Pande U, Popli H, Dubey D, Evaluation of cranial base and maxillomandibular sagittal and transverse relationship in temporomandibular joint ankylosis: A retrospective CBCT study, American Academy of Oral and Maxillofacial Radiology, 16 October 2024, Honolulu, Hawai
19. Hemlata N, Mathur VP, Bansal K, Tewari N, Morankar R, A Randomized Clinical Trial Comparing the Acceptance of Conventional and Prefabricated Band and Loop Space Maintainers in Children with Premature Loss of Primary Molar, 45th ISPPD Annual National Conference, 26 September 2024, Bangalore
20. Hemlata N, Mathur VP, Bansal K, Tewari N, Morankar R, Effect of heating on bonding of three different composite resins in terms resin-tag formation and penetration-depth in bovine dentine: In vitro study using Confocal Laser-Scanning-Microscopy, 4th National conference of Indian society of dental Traumatology, 4 April 2024, Goa
21. Jain V, Rehabilitation of facial defects During, 6th AIIMS Facial Plastics Workshop & CME, 11 October 2024, AIIMS Delhi, DELHI
22. Jain V, Speaker during Exam prep 2024, Organized by Indian Prosthodontic Society, 6 October 2024, October 2024, Pune
23. Jain V, Workshop on Sculpting Auricular Prosthesis, 14th ISPRP National conference 2024, 12 July 2024, ITS Dental College, Ghaziabad

24. Jhunjhunwala G, Mathur VP, Bansal K, Tewari N, Morankar R, Deciphering the histopathological presentations of dental pulp in traumatized permanent teeth, 1st International Vital Pulp Therapy symposium, 19 February 2025, New Delhi
25. Jhunjhunwala G, Mathur VP, Bansal K, Tewari N, Morankar R, Longitudinal birth cohort study assessing the prevalence of signs and symptoms associated with the eruption of primary teeth, 4th Annual Research Day, 30 January 2025, AIIMS, New Delhi
26. Jhunjhunwala G, Mathur VP, Bansal K, Tewari N, Morankar R, Understanding extra-oral dry time in relation to tooth avulsion – An exploratory review, 22nd WCDT, 13 July 2024, Tokyo
27. Kagane P, Kumar V, Logani A, Sharma S, Assessment of the correlation of bone level and crown root ratio to the pattern of horizontal root fracture: A retrospective cone beam computerized tomography study, 4th National Conference of ISDT, 4 April 2024, Goa
28. Kagane P, Logani A, Shah A, Relationship Between Time to Hemostasis and Outcome of Full Pulpotomy in Deep and Extremely Deep Caries with Symptomatic Irreversible Pulpitis Without Periapical Rarefaction, 39th National Conference of IACDE, 28 November 2024, Mumbai
29. Kidwai AA, Mathur VP, Bansal K, Tewari N, Morankar R, Prognostic assessment of vital pulp therapy in primary teeth in traumatized permanent- a case series, 1st International Vital Pulp Therapy symposium, 19 February 2025, New Delhi
30. Kidwai AA, Mathur VP, Bansal K, Tewari N, Intrusive luxation injuries in primary teeth- a case series, ISPPD Nammapedo 2025, 26 September 2025, Terna Dental College, Navi Mumbai
31. Krishna A, Logani A, Intentional Replantation as a Viable Treatment Option for Management of Large Cyst like Periapical Lesion of Endodontic Origin- An Observational study, 32nd National Conference of IES, 3 October 2024, Chennai
32. Kumar N A, Digital implant planning workflow comparing real guide, bluesky bio and dolphin implant planning software, 6th Global AAID & 12th WCOI Conference-2024, 8 November 2024, New Delhi
33. Kumar NA, Rehabilitating maxillary defects (Paper), 52nd Indian Prosthodontic Conference, 21 November 2024, K L University, Vijayawada, Andhra Pradesh
34. Kumar V, Logani A, Chawla A, Sharma S, Low intensity pulse ultrasound (LIPUS) as a therapeutic adjunct to enhance periodontal healing after luxation dental injury, 22nd WCDT, 12 July 2024, Tokyo
35. Kumar V, Logani A, Chawla A, Sharma S, Management of inflammatory root resorption in an intruded tooth: A case with 10 year follow up, 22nd WCDT, 12 July 2024, Tokyo
36. Kumar V, Therapeutic potential of low intensity pulsed ultrasound in enhancing periodontal healing following dental luxation injuries, 5th National Conference of Indian Society For Dental Traumatology, 20 March 2025, Chennai
37. Kumari N, Mathur VP, Bansal K, Tewari N, Morankar R, Management of intrusive luxation injury in immature permanent teeth, ISPPD Convention, PEDO SOCH 2025, 30 January 2025, Terna Dental College, Navi Mumbai
38. Kumari N, Mathur VP, Bansal K, Tewari N, Morankar R, Pulp sensibility testing in Traumatized Teeth, 4th National conference of Indian Society of Dental Traumatology, 4 April 2024, Goa
39. Leshinai A, Goswami D, Perioperative management consideration for congenital syngnathia: A multidisciplinary approach, 3rd National Annual Conference for NASON-2024, 27 July 2024, Indian Society for International law, New Delhi
40. Logani A, Saini A, 3D classification of root fractures, 22nd World Congress on Dental Traumatology (WCDT), 12 July 2024, Tokyo
41. Malhotra R, Sood A, Mishra D, Surya V, Monga N, Beryl R, et al, Case series of 46 cases of oro-rhinocerebral mucormycosis: An institutional study, 4th Research Day, 28 January 2025, AIIMS, New Delhi
42. Malhotra R, Sood A, Mishra D, Surya V, Monga N, Beryl R, et al, Comparative evaluation of oral microbiome profiles in oral leukoplakia and oral cancer, 4th Research Day, 28 January 2025, AIIMS, New Delhi
43. Malhotra R, Sood A, Mishra D, Surya V, Monga N, Beryl R, et al, Dysbiosis of oral microbiome in oral leukoplakia: A systematic review of current evidence, 4th Research Day, 28 January 2025, AIIMS, New Delhi
44. Malhotra R, Sood A, Mishra D, Surya V, Monga N, et al, Comparative analysis of the role of microbiome in oral potentially malignant disorders and oral cancer: A systematic review', Indian Academy of Bio-medical Sciences, 5 August 2024, AIIMS, New Delhi

45. Mansi, Duggal R, Prevalence of temporomandibular disorders in prospective orthodontic patients evaluated with diagnostic criteria for temporomandibular disorders: A cross sectional study, IOS PG Convention, 20 February 2025, Manav Rachna Dental College, Faridabad

46. Meenasundari S, Duggal R, Role of LIPUS in bone formation in patients treated with RME" (Paper Presentation), North Zone PG Convention, 21 June 2024, ITS College, Ghaziabad

47. Mishra R, Mathur VP, Bansal K, Tewari N, Morankar R, Barriers and facilitators faced by caregivers in oral hygiene maintenance of children undergoing chemotherapy for acute lymphoblastic leukemia, ISPPD Convention, PEDO SOCH 2025, 30 January 2025, Terna Dental College, Navi Mumbai

48. Mishra, D, Surya, V, Rachel, BJ, Sathish, R, Mondal, S. Singh, H, et al, Pathohub: Revolutionizing Tele Oral Pathology – A Platform For Diagnosis, Education, And Collaboration, 22nd International Congress of the International Association of Oral and maxillofacial Pathologists (IAOP), and the 13th Annual Congress of the Mexican Association of Oral Pathology, 18 June 2024, Mexico

49. Mishra D, Surya V, Rachel BJ, Sood A, Singh H, Pal D, et al, Generating medical Imaging Datasets for tobacco induced oral lesions to enhance health in research in India, The Global Oral cancer forum (GOCF) 2024 Malaysia, 26 May 2024, Kuala Lumpur, Malaysia

50. Monica, Mathur VP, Bansal K, Tewari N, Morankar R, Decoronation for the management of ankylosed teeth: an overview, 5th National Conference of Indian Society of Dental Traumatology, 4 April 2024, Goa

51. Monica, Mathur VP, Bansal K, Tewari N, Morankar R, Pulp survival in permanent teeth with Intrusive-luxation: A systematic review, 1st International Vital Pulp Therapy symposium, 19 February 2025, New Delhi

52. Nair AS, Jain V, Impressing Impression dentistry- Evolution from analogue to digital, 6th Global AAID conference from, 8 November 2024, New Delhi

53. Nanda A, 3 Special Implant Case Presentations, Global American Academy of Implant Dentistry & World Congress of Oral Implantology, 7 November 2024, New Delhi

54. Nanda A, Abutment Selection and Prosthetic Options for Fixed Restorations, Jacksonville University, 4 April 2024, Online

55. Nanda A, Dental Tourism – Caveats and Guidelines, American Academy of Implant Dentistry, 23 October 2024, Online

56. Nanda A, Literature review and Step by Step for Library dissertation (Batch -20), American Academy of Implant Dentistry Maxi Course, Chennai, 27 August 2024, Online

57. Nanda A, Principles of Modern tooth extraction and alveolar bone preservation part 1 and 2, American Academy of Implant Dentistry and Smile USA Academy, 19 October 2024, Online

58. Nanda A, Surgical guides, Jacksonville University, 11 April 2024, Online

59. Nayyar V, Bhaskar N, Beryl R, Sood A, Mishra D, Surya V, et al, Expression of IGF-1R in the surface epithelium versus invasive front across different grades of Oral Squamous Cell Carcinoma: An Immunohistochemistry analysis, 4th Research Day, 30 January 2025, AIIMS, New Delhi.

60. Nayyar V, Bhaskar N, Beryl R, Sood A, Mishra D, Surya V, et al, Expression of IGF-1R in the surface epithelium versus invasive front across different grades of Oral Squamous Cell Carcinoma: An Immunohistochemistry analysis, 4th Research Day, 30 January 2025, AIIMS, New Delhi.

61. Nidhi, Mathur VP, Bansal K, Tewari N, Morankar R, Root submergence followed by biological restoration for the management of transverse cervical root fracture- A case report, 4th National conference of ISDT, 5 April 2024, Goa

62. Padu L, Mathur VP, Bansal K, Tewari N, Morankar R, Discoloured Traumatized Tooth in Primary Teeth: Should We Intervene or Not?, 5th National Conference of Indian Society of Dental Traumatology, 20 March 2025, Chennai

63. Padu L, Mathur VP, Bansal K, Tewari N, Morankar R, Exclusive pediatric dental Practices: future and Challenges, ISPPD Essay Competition -24, 26 September 2024, Online

64. Pattnaik T, Beryl R, Sood A, Mishra D, Surya V, Malhotra R, Nayyar V, Kumar S, Aarogya Aarohan-A point-of-care Artificial Intelligence (AI)-based screening tool for oral cancer, 4th Research Day, 29 January 2025, AIIMS, New Delhi

65. Prity T, Sharma S, Logani A, Correlation between impact characteristics and pattern of traumatic dental injuries in mature permanent teeth, 4th National Conference of ISDT, 4 April 2024, Goa

66. Purohit B, Priya H, Dawar A, Duggal R, Chaturvedi S, Oral health predictors for dietary diversity among adult tobacco users – a comparative study, 28th EADPH Congress, 3 October 2024, Greece
67. Rajan S, Mohan P, Jain V, Flabby ridges in maxillary complete edentulous arches opposing mandibular implant supported overdenture: A freak occurrence or cause of concern, 6th Global AAID Conference, 8 November 2024, New Delhi
68. Rathinaswamy P, Kumar V, Logani A, Influence of pretreatment with three solutions on sealer penetration depth in root canals having silicone oil used for simulated instrument retrieval: An in-vitro study, 32nd National Conference of IES, 3 October 2024, Chennai
69. Sachdeva A, Chawla A, Sharma S, Kumar V, Logani A, Self-care practices employed by patients for management of dental pain: A cross- sectional study, 32nd National Conference of Indian Endodontic Society (IES), 3 October 2024, Chennai
70. Sachdeva A, Raghuwanshi K, Chawla A, Singh A, Sharma S, Kumar V, Logani A, Artificial Intelligence Model for Detection of Initial Stage Occlusal Caries: A Preliminary in-vivo Study, 39th National Conference of IACDE, 28 November 2024, Mumbai
71. Shahid Munir P, Duggal R, Decoding AI Research: A Guide for Orthodontic resident, IOS PG Convention, 21 February 2025, Manav Rachna Dental College, Faridabad
72. Sharma S, Kumar V, Logani A, Chawla A, Learning curve of dynamic navigation procedure in managing traumatized teeth with pulp canal calcification 1, 22nd WCDT, 12 July 2024, Tokyo
73. Sood A, Mishra D, Surya V, Rachel B, Malhotra R, Nayyar V, et al, Medical image datasets: quality and validation protocols, 31st IAOMP National Conference, 29 November 2024, Kodaikanal
74. Sood A, Mishra D, Surya V, Rachel B, Malhotra R, Nayyar V, et al, PAINT - Pre Artificial intelligence (PAINT) checklist for medical image datasets: development and validation, Indian Academy of Bio-medical Sciences, 5 August 2024, AIIMS, New Delhi
75. Sood A, Mishra D, Surya V, Rachel B, Malhotra R, Nayyar V, et al, Quality assessment of oral imaging datasets, 4th Research Day, 30 January 2025, AIIMS, New Delhi
76. Sood A, Mishra D, Surya V, Rachel B, Malhotra R, Nayyar V, et al, Utilization of immunohistochemistry for BRAF V600E mutation detection in langerhans cell histiocytosis: diagnostic and therapeutic insights, 4th Research Day, 30 January 2025, AIIMS, New Delhi
77. Sood A, Mishra D, Surya V, Rachel Beryl, Malhotra R, Nayyar V, et al, Yield from the Indian MIDAS-Oral Hub: a National task force initiative, 4th Research Day, 30 January 2025, AIIMS, New Delhi
78. Srivastava S, Mathur VP, Bansal K, Tewari N, Morankar R, Adverse Consequences of Traumatic Dental Injuries: A Narrative Review, 4th National Conference of ISDT, 4 April 2024, Hotel Radisson Blu, Goa
79. Srivastava S, Mathur VP, Bansal K, Tewari N, Morankar R, Clinical and radiographic success of LSTR in primary teeth with pulp necrosis, ISPPD Nammapedo, 2025, 27 September 2025, Royal Orchid Resort and Convention Center, Bangalore
80. Srivastava S, Mathur VP, Bansal K, Tewari N, Morankar R, Prevalence And Patterns of Late Complications of Traumatic Dental Injuries of Permanent Teeth: A Systematic Review, ISPPD Convention, PEDO SOCH 2025, 30 January 2025, Terna Dental College, Navi Mumbai
81. Srivastava S, Mathur VP, Bansal K, Tewari N, Morankar R, Tracking ankylosis in primary tooth with intrusive luxation injury-3 years follow up, 4th National conference of Indian Society of Dental Traumatology, 4 April 2024, Goa
82. Subramanian P, Logani A, Clinical decision-making chart for the management of complicated and uncomplicated permanent anterior crown fractures, 4th National Conference of ISDT, 4 April 2024, Goa
83. Subramanian S, Logani A, Application of vital pulp therapy for management of concomitant crown root fracture and communited mid root fracture in a maxillary central incisor, 5th National Conference of Indian Society For Dental Traumatology, 20 March 2025, Chennai
84. Surya V, Mishra D, Mehta DS, Thapa P, Sood A, Mishra D, et al, OPMD-Newer perspective, Early detection with spectroscopy, Dr. D.K. Daftary Symposium at 31st National Conference of IAOMP, 30 November 2024, Kodaikanal
85. Surya V, Mishra D, Rachel BJ, Sood A, Singh H, Pal D, et al, Strengthening oral cancer screening in India through medical imaging datasets: Leveraging technology for interdisciplinary approach, The Global Oral cancer

forum (GOCF) 2024 Malaysia, 26 May 2024, Nexus Connexion Conference & Event Centre, Kuala Lumpur, Malaysia

86. Suvin, Shahla Sharn P, Duggal R, Revolutionizing Functional Appliance Fabrication: Direct 3D printed twin block from Concept to care, IOS PG Convention, 20 February 2025, Manav Rachna Dental College, Faridabad
87. Talke S, Rahman R, Jain V, Demystifying the Maxillary sinus anatomy in partially edentulous scenario, 6th Global AAID conference, 8 November 2024, New Delhi
88. Trimukhe A, Mishra D, Surya V, Rachel B, Malhotra R, Nayyar V, et al, HPV-Associated Dysplasia in the Floor of the Mouth: A Case Mimicking Tobacco-Related Lesions, 4th Research Day, 30 January 2025, AIIMS, New Delhi
89. Wadhwani E, Mathur VP, Bansal K, Tewari N, Morankar R, Evidence mapping and quality assessment of systematic reviews in Dental Traumatology: a 54-months update, 5th National Conference of Indian Society of Dental Traumatology, 20 March 2025, Chennai
90. Yadav K, Mathur VP, Bansal K, Tewari N, Morankar R, Comparative evaluation of three post-bonding reinforcement protocols for fragment reattachment in uncomplicated crown fracture- An In Vitro Study using bovine teeth, 5th National Conference of Indian Society of Dental Traumatology, 20 March 2025, Chennai
91. Yadav K, Mathur VP, Bansal K, Tewari N, Morankar R, Playing Safe with Mouthguards, 4th National Conference of Indian Society of Dental Traumatology, 4 April 2024, Goa
92. Yadav K, Mathur VP, Bansal K, Tewari N, Morankar R, Pulp diagnosis in Primary teeth: Critical Insights and Challenges, International Vital Pulp Therapy Symposium and Workshop, 19 February 2025, New Delhi
93. Yadav VS, Giving hope to an hopeless tooth: A case report with 2-years follow up, 48th National conference of Indian Society of Periodontology, 17 October 2024, Goa
94. Yadav VS, Techniques for simultaneous horizontal and vertical soft tissue augmentation during implant placement, 6th Global AAID and 12th WCOI conference, 9 November 2024, New Delhi

ORAL PAPER/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022-2023	2023-2024	2024-2025
52	143	94

Research Funded Projects

Ongoing

1. 3D printed aligners as a state of the art smile designing appliance for its integration in Indian Public Hospitals, Dr. Prabhat Kumar Chaudhari, Science and Engineering Research Board, Government of India, 3.5 Years, 2022-2025, Rs 38.26 Lakhs
2. A Clinical, radiographical, histological and histomorphometric evaluation of alveola10+10r one augmentation using allogenous or autogenous block graft along with Guided Bone Regeneration and platelet-rich fibrin before implant placement- a Randomized trial, Dr. Arun Kumar N, Early carrier Intra mural project, AIIMS, New Delhi, 2 Years, 2023-2025, Rs 10 Lakhs
3. A longitudinal prospective study to develop progression prediction models of oral leukoplakia based on oral microbiome shifts, salivary microRNA biomarkers and tobacco cessation compliance, Dr Deepika Mishra, ICMR, 3 Years, 2024-2027, Rs 50.98 Lakhs
4. Clinical and Cost-effectiveness of Dental caries Preventive measures in Children-a Community trial, Dr. Bharathi M Purohit, AIIMS Intramural Grants for Faculty, 2 Years, 2025-2027, Rs 6 Lakhs
5. Comparison between aligners and Quadhelix appliance for transverse correction in cleft lip and palate subjects: a randomized clinical trial, Dr. Rajiv B, AIIMS Early Career Intramural Research Projects, 2 Years, 2023-2025, Rs 3.46 Lakhs
6. Comparison of the outcomes of using connective tissue graft versus volume-stable collagen matrix with modified coronally advanced flap for the treatment of multiple adjacent gingival recessions: A randomized clinical trial with molecular analysis, Dr. Vikender Singh, ICMR, 3 Years, 2023-2026, Rs 42.98 Lakhs
7. Comparison of the outcomes of using connective tissue graft versus volume-stable collagen matrix with modified coronally advanced flap for the treatment of multiple adjacent gingival recessions: A randomized clinical trial with molecular analysis, Dr. Vikender Singh, AIIMS, New Delhi, 2 Years, 2024-2026, Rs 19.91 Lakhs

8. Comparison of transoral versus transnasal humidified rapid–insufflation ventilatory exchange for intubating conditions in children with difficult airway: A prospective, randomized, controlled trial, Dr Devalina Goswami, ICMR (ICMR Project ID IIRP-2023-6867/F1), 3 Years, 2023-2026, Rs 99 Lakhs
9. Design and development of a safe, portable, economical, non-invasive, Point of Care digital infrared imaging system for screening and early detection of oral cancer: An exploratory pilot study, Dr Shalini Gupta, ICRC ICMR task force project, 3 Years, 2023-2026, Rs 113.66 Lakhs
10. Development and evaluation of an artificial intelligence system for detection and classification of occlusal caries, Dr. Amrita Chawla, ICMR, 3 Years, 2023-2026, Rs 55.77 Lakhs
11. Development and validation of a Laboratory Developed Test (LDT) for detection of high-risk human papillomavirus (HPV) in patients with cancer and potentially malignant disorders of oral and oropharyngeal region, Dr. Rahul Yadav, Intra mural, 2 Years, 2024-2025, Rs 10 Lakhs
12. Development of a low-cost multimodal optical imaging microscopic device for early oral cancer diagnosis, Dr. Varun Surya, ICMR, 3 Years, 2024-2027, Rs 38.96 Lakhs
13. Development of a prototype lab-on-a-chip for rapid microbial detection during nonsurgical endodontic therapy, Dr. Sidhartha Sharma Dr Sandeep Jha (IIT Delhi), ICMR, 3 Years, 2024-2027, Rs 70.63 Lakhs
14. Development of an objective bioimpedance based non-invasive pulp vitality testing device as an alternative to traditional non-invasive pulp vitality testing methods, Dr Morankar Rahul, AIIMS-IITD collaborative research grant, 2 Years, 2022-2024, Rs 20 Lakhs
15. Development of Indigenized Digital Dentistry Solutions, Dr. Ritu Duggal, M/o Electronics & Information Technology, GoI, 2 Years, 2023-2026, Rs 143.72 Lakhs
16. Development of patient-specific additively-manufactured mandibular implants with biotechnology-inspired functional lattice structures, Dr Ajoy Roychoudhury, Indo German Science & technology center, 3 Years, 2022-2025, Rs 90 Lakhs
17. Development of Room Temperature Vulcanizing (RTV) Silicon for maxillofacial facial prosthesis with Improved Properties Suitable for Indian Climate, Collaborative project with IIT, DST, 2 Years, 2023-2025, Rs 50 Lakhs
18. Development of transparent strip crowns for tooth restorations in Pedodontics, Dr Vijay Mathur, AIIMS-IITD collaborative research grant, 2 Years, 2022-2024, Rs 20 Lakhs
19. Effectiveness of a Smart phone based educational app versus conventional method to improve the oral health of children in day care centre-a cluster randomized trial, Dr. Kalpana Bansal, ICMR, 3 Years, 2023-2025, Rs. 52 Lakhs.
20. Effectiveness of Fluoride Varnish in preventing Dental Caries among paediatric patients undergoing Chemotherapy: A Randomized Controlled Trial, Dr. Harsh Priya, Investigator- Initiated Research Proposal ICMR Small Extramural Grant, 2 Years, 2025-2027, Rs 50 Lakhs
21. Evaluation of non-invasive adjuncts in OPMDs for early detection of oral cancer and development of risk-based OPMD management protocol in a primary healthcare setting, Dr Shalini Gupta, ICMR, 3 Years, 2024-2027, Rs 382.99 Lakhs
22. Evaluation of Osteocalcin and Metalloproteinase 8 levels in the perimplant crevicular fluid (PICF) around immediate dental implant placed with socket shielding technique (SST) and conventional technique (CT) in maxillary anterior region- A randomized controlled pilot study, Dr Dheeraj Kumar Koli, Intra mural project, AIIMS, New Delhi, 2 Years, 2022-2024, Rs 8.60 Lakhs
23. Generating Medical Imaging datasets for tobacco induced oral lesions to enhance health in research in India, Dr. Deepika Mishra, ICMR, 3 Years, 2023-2026, Rs 296.27 Lakhs
24. Implantation of additively-manufactured porous implant with biotechnology-inspired functional lattice structures on rabbit's femur to evaluate osseointegration: Phase-II study to validate titanium porous-lattice for temporomandibular prosthesis, Dr. Ajoy Roychoudhury, ICMR Intermediate grant, 3 Years, 2025-2027, Rs 700 Lakhs
25. Molecular characterization of odontogenic Cysts and Tumors in Indian population, Dr. Varun Surya, AIIMS Intramural grant, 2 Years, 2024-2026, Rs 10 Lakhs
26. Multiregion sequencing to unveil the intratumoral heterogeneity and novel biomarkers in oral squamous cell carcinoma in an Indian population: Case Control Study, Dr. Deepika Mishra, ICMR, 3 Years, 2023-2026, Rs 52.14 Lakhs

27. National Centre for Excellence for implementation of national oral health program, Dr. Ritu Duggal, Ministry of health and family welfare, 2014-ongoing, 2014, As per MoU
28. Optimization, clinical validation and product realization of the dental trauma splint prototype, Dr. Ajay Logani Dr Suresh Neelakantan (IIT Delhi), DST, 3 Years, 2024-2027, Rs 91.94 Lakhs
29. Photonics4Life, UTFORSK programme, Dr. Deepika Mishra, UiT, Norwegian Ministry of Education and Culture (Diku), 3 Years, 2025-2027, Rs 242,42,907 (3 million Kroner) Awaited funding
30. Role of intra-tumoral microbiome in progression of Oral Squamous Cell carcinoma (OSCC), Dr Shalini Gupta, ICMR extramural, 3 Years, 2023-2026, Rs 49.85 Lakhs
31. Technical Resource Centre for Evidence for Guidelines, Dr Kunaal Dhingra, Department of Health Research Ministry of Health and Family Welfare Government of India, 3 Years, 2024-2027, Rs 60 Lakhs
32. To determine and compare the adjunctive effect of photobiomodulation with 940nm diode laser on maximal interincisal mouth opening versus conventional non-invasive management in moderate Oral Submucous Fibrosis A randomized controlled trial, Dr Shalini Gupta, AIIMS Intramural Collaborative, 2 Years, 2024-2026, Rs 20 Lakhs
33. To develop a novel storage medium to enhance the viability of periodontal ligament fibroblasts for enabling autologous reimplantation of avulsed permanent teeth, Dr Amrita Chawla, ICMR, 3 Years, 2025-2028, Rs 73.44 Lakhs
34. To evaluate the efficacy and stability of transport disk distraction osteogenesis in ramus condyle unit reconstruction in adult population with temporomandibular joint ankylosis, Dr. Rahul Yadav, ICMR, 4 Years, 2024-2027, Rs 270 Lakhs to improve the oral health of children in day care centres- a cluster randomized trial, Dr Kalpana Bansal, ICMR, 2.5 Years, 2023-2026, Rs 52.80 Lakhs
35. Traumatic implant injury: Finite element analysis and its mechanical validation, Dr Nitesh Tewari, AIIMS-IITD collaborative research grant, 2 Years, 2022-2024, Rs 20 Lakhs

Ongoing funded research projects over the past 3 years:

Research Projects	2022-2023	2023-2024	2024-2025
Total Funded Projects	7	14	14
Total Amount	1.96 Crores	Rs. 9.16 Crores	Rs. 20.97 Crores

Research Funded projects

Completed

1. A single centre open-label randomized comparative pilot study to evaluate safety tolerability and efficacy of 3D-scaffold matrix (bone graft) for dental bone defect.", Dr. Ajoy Roychoudhury, DBT/IIT, 2 Years, 2023-2024, Rs 35 Lakhs
2. Explore the novel use of fluorescence based microendoscopy and Raman spectroscopy for detection of oral cancer and dysplasia, Dr. Deepika Mishra, AIIMS-IIT-Delhi Inter Institutional Collaborative Research Grant, 2 Years, 2020-2022, Rs 20 Lakhs
3. Molecular and immunological characterization of fibro-osseous lesions affecting oral and maxillofacial region, Dr. Deepika Mishra, AIIMS intramural Research Grant, 2 Years, 2020-2022, Rs 10 Lakhs
4. Genetic profiling of non-syndromic Pierre Robin Sequence patients by whole exome sequencing and microarray, Dr. Deepika Mishra, AIIMS Intramural project, 1 Year, 2017-2018, Rs 5 Lakhs
5. Development of the mobile app for the prevention of dental diseases in children, Dr Kalpana Bansal, AIIMS Intra-mural research grant, 2 Years, 2021-2024, Rs 8 Lakhs
6. A Prospective Pilot study to evaluate the clinical success of a Tooth Colored metal free Self-Curing Resin-based material as an alternate to silver amalgam for Class-II Posterior Restoration, Dr Amrita Chawla, Intra Mural AIIMS, 3 Years, 2017-2019, Rs 5 Lakhs
7. The role of novel self-assembling peptide matrix (SAPM) in prevention of post radiation caries in head and neck cancer patients: Randomized clinical trial, Dr Vijay Kumar, ICMR, 3 Years, 2021-2024, Rs 35 Lakhs
8. Comparative evaluation of Module for Sports Dental Injury Prevention (MSIP) and combination of MSIP with custom-fabricated mouth-guard for prevention of traumatic dental injuries in 10-18 years old Kabaddi Players of Delhi-NCR region in a sports season: a cluster randomized controlled trial, Dr Nitesh Tewari, ICMR, 3 Years, 2020-2024, Rs 42 Lakhs

9. The detection of current and persistent oral HPV infection using non- invasive method in Oral Potentially Malignant Disorders with their clinical and molecular characteristics, Dr. Shalini Gupta, ICMR extramural, 3 Years, 2021-2024, Rs 49.39 Lakhs
10. Microsurgical interproximal tunneling with customized connective tissue graft or volume-stable collagen matrix for interdental papilla reconstruction after orthodontic treatment: a split-mouth, double-blind, randomized controlled trial, Dr. Kunaal Dhingra, Royal College of Physicians and Surgeons of Glasgow (T C White International Research and Training Award), 1 Year, 2023-2024, Rs 5 Lakhs
11. Clinical, Histomorphometric and 3-Dimensional Cone Beam Computed Tomographic Analysis of Autogenous Tooth Bone Graft Mixed with Injectable Platelet Rich Fibrin for Ridge Preservation", Dr Vikender Singh, AIIMS, New Delhi, 2 Years, 2019-2021, Rs 8.90 Lakhs
12. Development and testing of 3D printed tooth prototype with anatomic complexity for pre-clinical endodontic training, Dr. Sidhartha Sharma, Intra Mural AIIMS, 1 Year, 2021-2024, Rs 4.48 Lakhs
13. Intramural project titled "Cytotoxicity of intracanal medicaments used for root canal disinfection and their effect on proliferation and differentiation potentials of Stem Cells from Apical Papilla-An in-vitro study" operative approval No. F.8.A840/2020/RS, Dr Morankar Rahul, AIIMS Intramural grant, 2 Years, 2021-2024, Rs 10 Lakhs
14. NLRP3 Inflammasome gene polymorphisms and their expression in Periodontitis- a genetic study in North Indian population, Dr. Anika Dawar, AIIMS Intramural collaborative Research Project, 2 Years, 2021-2023, Rs 16.50 Lakhs
15. Serum and Saliva Metabolomic Profiling and Identification of Potential Biomarkers in Periodontitis by Nuclear Magnetic Resonance Spectroscopy, Dr Anika Dawar, AIIMS Intramural early career, 2 Years, 2022-2024, Rs 9.20 Lakhs

Completed funded research projects over the past 3 years:

Research Projects	2022-2023	2023-2024	2024-2025
Total Funded Projects	6	4	5
Total Amount	Rs. 1.3 Crores	Rs. 1.56 Crores	Rs. 2.41 Crores

Departmental projects (including thesis/dissertations)

Ongoing

1. AI-enabled proteomic profiling of oral potentially malignant disorders and oral cancer for risk stratification.
2. A comparative assessment by EMG activity and bite force of autogenous reconstruction of RCU done with TDDO and CCG in patient with TMJ ankylosis
3. A comparative assessment by EMG activity and bite force of autogenous reconstruction of ramus condyle unit done with Transport disc distraction osteogenesis and Costo chondral grafting in patients with TMJ ankylosis.
4. A one-year Split-Mouth Randomized Controlled Trial to evaluate peri-implant mucosal health after cementation of Ultra-polished Zirconia crown compared with Conventionally polished Zirconia crown using periodontal indices (BOP, PD, PI) and Gingival biomarkers i.e. TNF-α and IL-1β
5. A randomized control trial to compare comprehensive kinematic outcome of unilateral sub-condyle fracture of the mandible patients treated with either - conservative or surgical method
6. A retrospective study to evaluate the long-term outcomes of transport disk distraction osteogenesis for ramus-condyle unit reconstruction (rcu) in paediatric and adult temporomandibular joint ankylosis
7. A retrospective study to evaluate the long-term outcomes of transport disk distraction osteogenesis tddo for Ramus-condyle unit reconstruction RCU in paediatric and adult temporomandibular Joint ankylosis.
8. Access to dental care in individuals with disability: a systematic review. Evid Based Dent.
9. An ambispective study to compare the accuracy in the transfer of virtual surgical plan (VSP) and osteotomy, with patient-specific cutting guides and implants versus conventional technique of genioplasty and implants
10. An evaluation of Oral Health-related Quality of Life in Children and Adolescents affected by Traumatic Dental Injuries
11. An observational study to compare effect of maxillomandibular advancement on pharyngeal volume, apnoea hypopnea index and malampatti score in patients with obstructive sleep apnoea

12. Artificial intelligence for classification of oral mucocutaneous lesions: A prospective study.
13. Assessment of onset and incidence of temporomandibular disorder during the course of orthodontic treatment – an observational study.
14. Association between concentration of neutrophil extracellular traps and outcome of pulpotomy in permanent mature teeth with symptomatic irreversible pulpitis- a prospective cohort study
15. Comparative analysis of orbital volume using patient specific implants vs preformed stock orbital implants in reconstruction of post traumatic residual orbital floor defect: A randomized controlled trial
16. Comparative CBCT based outcome of single and multi (two) visit non-surgical endodontic therapy performed in teeth with chronic apical abscess: A Randomized Clinical Trial.
17. Comparative evaluation of occlusal wear of polished CAD CAM fabricated translucent zirconia, polished heat pressed lithium disilicate crowns and natural antagonist enamel-a split mouth study
18. Comparative evaluation of Marginal and Internal Fit of computer designed milled and 3D printed provisional PMMA based crowns- A split mouth Randomized trial.
19. Comparative evaluation of occlusal wear of computer designed Polymethyl Methacrylate(PMMA) provisional crowns fabricated by milling and 3D printing: A split mouth Randomized Trial.
20. Comparative evaluation of IL-6 and IL-1 beta levels in computer designed Polymethyl Methacrylate (PMMA) milled and 3D printed provisional crowns: A split-mouth study.
21. Comparative evaluation of patient acceptance for the conventional and prefabricated Band and Loop Space Maintainers in children with Premature Loss of Primary Molar: A randomized Clinical Trial
22. Comparative Evaluation of Selective Caries Removal and Partial Pulpotomy Performed For Management of Extremely Deep Carious Lesion With Non-Spontaneous Symptomatic Pulpitis In Mature Permanent Teeth: A Randomized Clinical Trial
23. Comparative evaluation of the success of single versus two visit protocols of Silver modified atraumatic restorative treatment (SMART) in primary molars.
24. Comparing the efficacy of apnoeic oxygenation by nasopharyngeal airway vs nasal cannula vs thrive during airway management under general anaesthesia: A prospective randomised controlled trial
25. Comparison of effects of twin-block with acrylic capping and twin-block with McNamaras modification on mandibular incisor inclination in growing patients with mandibular retrognathism.
26. Comparison of effects of two different concentration of platelet-rich plasma on orthodontic tooth movement A prospective split – mouth study.
27. Comparison of soft tissue volumetric change between conventional protocol and tentpole technique in implant rehabilitation-A split mouth, pilot study
28. Comparison of Two Root End Filling Techniques during Endodontic Microsurgery of Permanent Anterior Teeth: A Parallel Double Blind Randomised Clinical Trial
29. Comparison of postoperative pain following a single preoperative dosage of 10 mg Melatonin vs 20 mg Prednisolone after surgical extraction of impacted mesioangular 3rd molar.
30. Correlation between thyromental distance and the ease of passing a nasotracheal tube through the glottis: A prospective observational study.
31. Development and application of AI based algorithm to capture data from CT scan to determine age, gender and identity of the victim.
32. Diagnostic accuracy of thermal and electric pulp tests for pulp sensibility assessment after pulpotomy – a histomorphometric study
33. Dietary diversity, oral health and associated factors among adult tobacco users visiting dental health facilities of AIIMS New Delhi.
34. Effect of family cohesion on oral health predictors in children and adolescents: A systematic review.
35. Effect of occlusal reduction on post operative pain and outcome of full pulpotomy performed in permanent mature mandibular molar teeth with symptomatic irreversible pulpitis and sensitivity to percussion: A randomized clinical trial.

36. Effect of three different mouthwashes on wound healing and patient morbidity at donor site after epithelized palatal graft harvesting. A triple-blinded randomized clinical trial.
37. Effect of powder and cream type of denture adhesives on retention and bite force of denture in completely edentulous patients- a crossover study
38. Effectiveness of dual retention versus single retention protocol in orthodontically treated patients A randomized clinical trial
39. Effectiveness of friction and frictionless mechanics during enmasse retraction of anterior teeth using CBCT A randomized clinical trial.
40. Effectiveness of school oral health programs in children and adolescents: An umbrella review.
41. Establishing North Indian-Specific norm for differential Diagnostic Analysis system based on Tweed foundation standards.
42. Evaluation and comparison of the effect of translucent zirconia and lithium disilicate crown on IL-6 and TNF- α levels in gingival crevicular fluid (GCF) at various time intervals: a split-mouth comparative pilot study
43. Evaluation of an alternate pulpotomy technique performed in carious permanent mature mandibular molar teeth with symptoms indicative of irreversible pulpitis: A randomized clinical trial.
44. Evaluation of clinical outcome of 3d- guided pterygoid implants for rehabilitation of the atrophic posterior maxilla: a prospective study
45. Evaluation of Dental pulp calcification in cancer survivors receiving chemotherapy and/or radiotherapy as a part of anticancer therapy.
46. Evaluation of effect of Booster injection of PRP on the rate of tooth movement in orthodontic patient: A Split Mouth Study
47. Evaluation of effectiveness of concentrated platelet - rich fibrin compared to injectable platelet-rich fibrin on the rate of en-masse retraction in orthodontic patients a three-arm randomized controlled trial.
48. Evaluation of histological characteristics of prematurely erupted teeth in newborns- A pilot exploratory study
49. Extended temporomandibular joint replacement(e-tjr) in management of mandibular disarticulation resection: A prospective-cohort study
50. Histopathology based artificial intelligence enables prediction of malignant transformation, lesion progression and patient survival in oral potentially malignant disorders.
51. Influence of Type 2 Diabetes mellitus on the outcome of full pulpotomy in teeth with symptomatic irreversible pulpitis: A prospective study
52. Integration of targeted genomic signatures and histological features for AI based risk stratification and prognosis prediction in oral potentially malignant disorders and oral cancer.
53. Kinematic jaw analysis after temporomandibular jaw replacement in ankylosis patients
54. Measurement of occlusal bite force in permanent mandibular molar teeth with full pulpotomy: A cross sectional observational study
55. Prevalence and pattern of Traumatic dental injuries among children and Adolescents with severe to profound hearing impairment reporting to a tertiary care centre in North India
56. Prevalence of Teething Problems during Eruption of Primary Teeth- A prospective cohort study
57. Prevalence of temporomandibular disorders in prospective orthodontic patients evaluated with diagnostic criteria for temporomandibular disorders: A cross sectional study.
58. Radiographic comparison of bone formation in standard iliac graft placement with modified placement in mandible- an ambispective study
59. Randomised control trial: to evaluate the efficacy of preoperative melatonin vs prednisolone in postoperative pain management after mandibular 3rd molar extraction
60. Role of Negative Regulators of IGF-1R in Malignant Transformations of Oral Dysplasia
61. To develop and validate clinical decision support tool (CDST) based on AAPD guidelines for diagnosis and management of deep carious lesion in primary teeth.
62. Ultrasound guided suprazygomatic maxillary nerve block for intraoperative and postoperative analgesia in maxillary repair surgery - A Prospective Randomized Control Trial

Departmental projects (including thesis/dissertations)

Completed

1. A comparative study to evaluate alkaline phosphatase levels and implant stability quotient in Immediate implants placed by Using socket shietechnique and conventional Technique in maxillary anterior region - a randomized Controlled trial
2. A randomized clinical trial comparing the outcomes of revascularization in immature non-vital permanent teeth using calcium hydroxide and triple antibiotic paste as an intracanal medicament-A pilot exploratory study
3. An observational study to evaluate bone healing and recurrence rate within 1 year after topical application of 5 ffu in the treatment of okc
4. Association between sugar consumption, anxiety and depression-A systematic review and Meta-analysis.
5. Comparative evaluation of caries arrest potential of novel Silver Diamine Fluoride gel with Conventional solution form in primary teeth- A randomized controlled trial.
6. Comparative Evaluation of Gingival Health with Preformed Zirconia Crown and Bioflx Crown in Primary Molars: A non-inferiority Randomized Clinical Trial.
7. Comparative evaluation of wear of CAD CAM fabricated polished monolithic PEEK, Zirconia crowns and natural antagonist teeth- an in vivo study
8. Comparison of bone density and implant stability between Osseodensification and conventional drilling technique - A split mouth randomised controlled trial
9. Comparison of efficacy of intra articular injection of platelet rich fibrin in conjunction with arthocentesis for the treatment of internal derangement of TMJ
10. Comparison of post-operative swelling after single dose of sub-mucosal dexamethasone injection vs placement of platelet rich fibrin in third molar extraction socket: a randomized controlled clinical trial
11. Counting teeth, Countering frailty: A Systematic Review and Meta-analysis.
12. Cross-cultural adaptation and evaluation of malocclusion impact questionnaire (MIQ) in young Indian adolescents seeking orthodontic treatment
13. Descriptive evaluation of delayed complications of traumatic dental injuries in children and adolescents reporting to a tertiary care hospital in North India
14. Development and testing of a yardstick for the treatment difficulty of maxillary impacted canines using two dimensional radiographs - A prospective study.
15. double-blind randomized clinical trial Effect of Application of Silver Diamine Fluoride (SDF) Alone Compared to SDF with Potassium Iodide on Retention of Composite Resin Restorations in Carious Primary Molars- A Randomized Clinical Trial.
16. Early wound healing and patient morbidity after harvesting connective tissue graft with and without periosteum using sing le incision technique: A
17. Effect of low level laser therapy on orthodontically induced inflammatory root resorption in patients undergoing fixed orthodontic treatment- A randomised controlled Trial
18. Efficacy of fixation of lambda plate vs 2 mm high profile plate in fixation of sub-condyle fractures of mandible: a randomized control trial
19. Efficacy of platelet rich fibrin (i-PRF) to reduce orthodontic treatment duration - A randomized controlled trial.
20. Etiology of Oral cancer in Indian population younger than 30 years. Non-funded.
21. Evaluation of intraoperative characteristics of dental pulp in carious primary teeth with pulpitis
22. Evaluation of success of nano silver fluoride modified versus silver diamine fluoride modified atraumatic restorative technique in primary molars – a non-inferiority randomized control trial
23. Evaluation of the effect of injectable platelet rich fibrin (i-PRF) on root resorption in patients undergoing fixed orthodontic therapy a biochemical and CBCT analysis - A randomized controlled trial.
24. Evaluation of the role of low-intensity pulsed ultrasound on midpalatal sutural bone formation after rapid palatal expansion through cone beam computed tomography: A pilot randomized controlled trial.

25. Human Leukocyte Antigen and its Association with Oral Potentially Malignant Disorders – A Systematic Review.
26. Intentional reimplantation versus periapical surgery for management of large cyst like periapical lesion of endodontic origin-a noninferiority randomized clinical trial
27. Intratracheal dexmedetomidine Vs Intratracheal Lignocaine in attenuation of cough reflexes while extubation in patients of oral and maxillofacial surgery: A randomized controlled trial.
28. Investigate the use of fluorescence based micro endoscopy, developing image repository and artificial intelligence based deep learning to oral squamous cell carcinoma and dysplasia in the Indian population.
29. Prevalence and pattern of psychological symptoms in 8-14 years old children with Acute Traumatic Dental Injuries reporting to a tertiary care hospital in Delhi NCR
30. Reliability of pulp sensibility tests in class II division I malocclusion patients with different facial patterns treated by Enmasse retraction - A pilot clinical study.
31. Response of dental pulp to cryotherapy when used as a hemostatic agent during pulpotomy – a histomorphologic study
32. Retrospective study of oral pathology specimens: incisional vs excisional specimens and cytopathology vs histopathology. Non-funded.
33. The effect of root canal treatment on the resolution of mechanical allodynia in healthy adjacent and contralateral teeth: A prospective clinical study

Collaborative Projects

Ongoing

1. A phase III randomised controlled study comparing xerostomia after tubarial salivary gland sparing IMRT versus standard IMRT in patients with locally advanced oropharyngeal squamous cell carcinoma, Department of Radiation Oncology and Div of Oral Pathology and Microbiology, CDER AIIMS
2. A prospective, active controlled, randomised, double blind, multicentre, phase III study to compare the safety and efficacy of biosimilar denosumab of Enzine Biosciences Limited Versus innovator denosumab in the treatment of postmenopausal osteoporosis, Orthopedics, Endocrinology, Radiology, AIIMS, New Delhi
3. An effect of rapid palatal expansion in adenoidectomy patients- A randomized control study, Department of ENT, AIIMS
4. An in-vitro evaluation of histological characteristics of prematurely erupted teeth in newborns, Div of Pedodontics and Div of Oral Pathology and Microbiology, CDER
5. Assessment of immune suppressive response in tumour microenvironment in oral cancer, NICPR ICMR Noida
6. Assessment of intraoperative characteristics of dental pulp in carious primary teeth with pulpitis, Division of Paediatric and Preventive Dentistry and Div of Oral Pathology and Microbiology, CDER
7. Childhood Cancer Survivorship Program (CCSP) Program comprised effects of cancer-related chemotherapy, radiotherapy, and bone marrow transplantation on dentofacial and oral structures, Department of Medical Oncology IRCH AIIMS, New Delhi
8. Clinical, histomorphometric and 3- Dimensional Cone Beam Tomographic analysis of Autogenous Tooth Bone Graft mixed with Injectable Platelet Rich Fibrin for ridge preservation, Periodontics CDER
9. Comparative evaluation of occlusal wear of polished CAD CAM fabricated translucent zirconia, polished heat pressed lithium disilicate crowns and natural antagonist enamel- a split mouth pilot study, Division of Prosthodontics, CDER, AIIMS
10. Comparison of clinical outcomes, histomorphometric and gene expression analysis of connective tissue graft with two types of xenogeneic matrices for peri-implant vertical soft tissue augmentation, Biotechnology, AIIMS, New Delhi
11. Comparison of the outcomes of using connective tissue graft versus volume-stable collagen matrix with modified coronally advanced flap for the treatment of multiple adjacent gingival recessions: A randomized clinical trial with molecular analysis, Biochemistry, AIIMS, New Delhi
12. DBT-AIIMS-India Translational & Clinical Research Partnership Center, National Cancer Institute, Jhajjar, Department of Surgical Oncology, Department of Otolaryngology & Head Neck Surgery, Department of Medical Oncology, Dr. BRAIRCH, AIIMS, New Delhi, ICMR-National Institute of Pathology, Department of Biochemistry, Tata Memorial Hospital Mumbai and Div of Oral Pathology and Microbiology, CDER.

13. Dental conditions and co-morbidities in an elderly Population in North India, Department of Geriatric Medicine, AIIMS, New Delhi
14. Development and validation of a Laboratory Developed Test (LDT) for detection of high-risk human papillomavirus (HPV) in patients with cancer and potentially malignant disorders of oral and oropharyngeal region (Rs 20.25 Lakh AIIMS), Dr BRA's IRCH, Div of Oral and maxillofacial Surgery and Div of Oral Pathology and Microbiology CDER
15. Development of an objective bioimpedance based non-invasive pulp vitality testing device as an alternative to traditional non-invasive pulp vitality testing methods", Department of Biomedical Engineering, IIT Delhi
16. Diagnostic accuracy of thermal and electric pulp tests for pulp sensibility assessment after pulpotomy – a histomorphometric study, Division of Conservative Dentistry and Endodontics, and Div of Oral Pathology and Microbiology, CDER
17. Effectiveness of a Smart phone based educational app versus conventional method to improve the oral health of children in day care centres- a cluster randomized trial, Pedodontics and Preventive Dentistry
18. Effectiveness of oral hygiene training on brushing practices among school children', Department of Nursing, College of Nursing, AIIMS New Delhi
19. Elucidating the cellular functions and clinical significance of Dipeptidyl Peptidase III (DPP III) in oral cancer, Department of Biochemistry and Div of Oral Pathology and Microbiology, CDER AIIMS
20. Establishing Technical Resource Centres (TRCs) for evidence-based guidelines of the Department of Health Research, Govt of India @ the Centre for Dental Education and Research (CDER), AIIMS, New Delhi, Division of Periodontics, CDER
21. Evaluation of effect of booster injection of PRP on the rate of tooth movement in orthodontic patients: a split mouth study, Division of Orthodontics and Dentofacial Deformities and Div of Oral Pathology and Microbiology, CDER
22. Implantation of additively-manufactured porous implant with biotechnology-inspired functional lattice structures on rabbit's femur to evaluate osseointegration: Phase-II study to validate titanium porous-lattice for temporomandibular prosthesis, Div of Oral and maxillofacial Surgery, Biochemistry, Div of Oral Path and IIT Delhi
23. Implementation Research to Enhance Screening, Early Diagnosis and Initiation of Treatment for Oral, Breast and Cervical cancer in Selected Districts of India, AIIMS Bathinda, Punjab, Yenepoya Medical College, Mangaluru, Dakshina Kannada, Karnataka State, AIIMS, Delhi, ICMR-RMRC, NE Region, Dibrugarh, ICMR-NIRRCH, Mumbai (Palghar Site) Maharashtra State, IGMC Shimla Himachal Pradesh, Cancer institute (WIA), Chennai, District Thiruvannamalai, Tamil Nadu.
24. Local application of Glycyrrhiza glabra for medical management of Oral submucous fibrosis: A randomized controlled trial. Ministry Of Ayurveda, Yoga & Naturopathy, Unani, Siddha And Homeopathy, Department of Otolaryngology, Head and neck surgery, Department of Pharmacology and Div of Oral Pathology and Microbiology, CDER.
25. Oral Potentially Malignant Lesion Atlas Project: Validating the efficacy of a novel, Point-of Care diagnostics and developing an integrated multidimensional, prognostic nomogram, NCI Jhajjar and Div of Oral Pathology and Microbiology, CDER
26. Point of Care Screening Tool for Oral Cancer. Artificial Intelligence Centre of Excellence in Health Phase I. Ministry of Education. (Rs 2 Cr), Div of Oral Pathology and Microbiology, Div of Public Health Dentistry, Div of Oral and maxillofacial Surgery, CDER, NCI Jhajjar AIIMS and Indian Institute of Science Bengaluru.
27. Response of Dental Pulp to Cryotherapy when used as a haemostatic agent during Pulpotomy – A Histomorphologic study, Div of Conservative Dentistry and Endodontics, CDER and Div of Oral Pathology and Microbiology, CDER
28. Strengthening Healthcare National Programs with Artificial Intelligence. Artificial Intelligence Centre of Excellence in Health Phase I. Ministry of Education. (Rs 2 Cr), Div of Oral Pathology and Microbiology CDER, Department of Radiodiagnosis, Department of Endocrinology and Metabolism, Department of Obstetrics and Gynaecology, Department of Dermatology, Department of Pediatrics, NCI Jhajjar, Dr. R. P. Center for Ophthalmic Sciences, Center for Community Medicine AIIMS and IIT Delhi.
29. Strengthening Healthcare National Programs with Artificial Intelligence. Artificial Intelligence Centre of Excellence in Health Phase II. Ministry ofEducation. (Rs 330 cr), Div of Oral Pathology and Microbiology CDER, Department of Radiodiagnosis, Department of Endocrinology and Metabolism, Department of Obstetrics

and Gynaecology, Department of Dermatology, Department of Pediatrics, NCI Jhajjar, Dr. R. P. Center for Ophthalmic Sciences, Center for Community Medicine AIIMS and IIT Delhi.

30. Subepithelial connective tissue graft and injectable platelet –rich fibrin with or without enamel matrix derivative for treating multiple gingival recessions in smokers: a randomized clinical trial, Periodontics CDER
31. To compare the utility of immunofluorescence techniques [direct immunofluorescence and indirect immunofluorescence on salt-split skin], biochip mosaic assay and multiplex elisa in the diagnosis of autoimmune bullous diseases – a prospective cross-sectional pilot study, Department of Dermatology and Div of Oral Pathology and Microbiology, CDER
32. To develop and evaluate novel storage/transport medium for the avulsed teeth by optimizing corneal preservation medium to promote the viability of periodontal ligament fibroblast cells, Div of Conservative Dentistry and Endodontics, Div of Oral Pathology and Microbiology CDER and Department of Ocular Pharmacology, AIIMS
33. Yaun Swasthya: AI powered detection, treatment and counselling for STI care and management in Indian patients, Department of Dermatology and Div of Oral Pathology and Microbiology CDER

Collaborative Projects

Completed

1. A descriptive study to evaluate the extracutaneous and systemic involvement in children with inherited epidermolysis bullosa, Department of Medical Oncology IRCH AIIMS, New Delhi
2. A morphological study of the human Temporomandibular joint, Div of Oral Pathology and Microbiology, CDER and Department of Anatomy, AIIMS
3. A pilot study to evaluate flourescence UV imaging for assessment of malignant and potentially malignant disorders in oral cavity and update and analysis of tongue cancer database, Div of Oral Pathology and Microbiology, CDER and Department of Surgical Oncology, IRCH
4. An observational study to evaluate bone healing and recurrence rate within one year after topical application of 5 fluorouracil in the treatment of odontogenic keratocyst, Div of Oral and maxillofacial Surgery and Div of Oral Pathology and microbiology, CDER, AIIMS.
5. Assessment of Quality of Life Among Adult Survivors of Head and Neck Ewing Sarcoma Family of Tumours, Department of Medical Oncology IRCH AIIMS, New Delhi
6. Association between serological levels and genetic polymorphisms of VEGF A and C with clinicopathological characteristics in oral squamous cell carcinoma and oral submucous fibrosis - A pilot study, Div of Oral Medicine and Radiology, Div of Oral Pathology and Microbiology CDER and Department of Biochemistry, AIIMS
7. Cleft Lip and Palate anomaly in India: Clinical profile Risk factors and current status of treatment: A hospital based study"-Main Phase, Div of Orthodontics and Dentofacial Deformities and Div of Oral Pathology and Microbiology CDER, Genetics and CSIR-IGIB
8. Cytotoxicity of intracanal medicament used in Regenerative Endodontic therapy, Department of Biochemistry AIIMS New Delhi
9. Development and validation of a Smart Phone based application for promotion of oral health among Indian children (AIIMS Intramural), Pedodontics and Preventive Dentistry
10. Effect of various tooth storage media on viability, proliferative ability and differentiation of human periodontal ligament stem cells- an in-vitro preliminary study, Stem cell facility, AIIMS, New Delhi
11. Estimate the oral cancer conversion risk with long term follow up (10-15 years) of patients with precancerous lesions- leukoplakia, submucous fibrosis, lichen planus among patients included in a ICMR tobacco task force project, Div of Oral Pathology and Microbiology, CDER, Department of General Surgery AIIMS and NICPR, Noida
12. Evaluation of two rehydration protocols for Fractured tooth fragments in terms of depth of penetrations of resin tags in dentin using confocal laser scanning microscopy, Div of Oral Pathology and Microbiology, CDER and Div of Pedodontics, CDER
13. Interdisciplinary variations in spectrum of oral mucosal lesions, Department of Dermatology and Div of Oral Medicine and Radiology, Div of Oral Pathology and Microbiology CDER, AIIMS
14. Multi-Model Autofluorescence, fluorescence, Polarization, Micro endoscopy and Spectroscopy based detection of common cancers of mouth, breast, Gut, respiratory tract, skin and female genital tract, Department of General Surgery and Div of Oral Pathology and Microbiology, CDER. Rs 10 lakh (AIIMS-IITD)

15. Role of human Heterogeneous Nuclear Ribonucleoprotein D (hnRNPD) in oral cancer, Div of Oral Pathology and Microbiology, CDER and Department of Biochemistry, AIIMS
16. To assess the potential ability of Cathepsin L and Cathepsin B as universal biomarkers of cancer, Div of Oral Pathology and Microbiology CDER and Department of Biochemistry, AIIMS
17. Tumors and cysts of jaw: Evaluation by dual energy computed tomography with limited MRI correlation, Department of Radiodiagnosis and Div of Oral Pathology and Microbiology, CDER, AIIMS.

Publications

Patient Care

In patient care/supportive activities include information regarding

Oral Medicine & Radiology

Facilities available:

- Oral Medicine & Radiology OPD services
- Speciality Clinic: Oral Ulcers Clinic (Wednesday 2.00 PM)
- Oral cancer Screening
- Management of Oral Potentially Malignant Disorders
- Dental Clearance
- Dental Radiology (IOPA, Occlusal, OPG, Cephalometry)
- Cone Beam Computed Tomography facility in Oral Medicine & Radiology CDER
- Development of registry for Oral Potentially Premalignant lesions in CDER
- Soft tissue Laser clinic

Oral & Maxillofacial Surgery

- Virtual Surgical Planning for facial deformity correction and total joint replacement
- 3D printing for orthognathic surgery
- TMJ clinic
- Neuralgia clinic
- Specialised Oral & maxillofacial surgery Clinic
- Joint Orthodontic and Surgery clinic

We have been providing state of art treatment to complex cases of maxillofacial deformities (congenital and Acquired), we are one of the best centers in management of any TMJ related abnormalities.

- Preoperative planning and Follow up clinic- every Friday 2 to 4 pm.
- 3-D printing facility available in the department for pre-operative planning.

Division of Prosthodontics

We have been managing outpatient duties for dental rehabilitation of complete and partially edentulous patients. We are running specialty clinics on Oral & Maxillofacial Prosthodontics, implant dentistry and temporomandibular disorders. Different types of prosthesis which we are fabricating for the patients are Complete denture, Removable Partial Denture, Crown and Bridge work, Laminates, Occlusal splints, Implant supported Prosthesis (Removable & Fixed), and Maxillofacial Prosthesis (Extra oral/ Facial & Intra oral).

At the department we are running two labs to fabricate removable and fixed Prosthodontic appliances.

Division of Conservative Dentistry and Endodontics

Department of Conservative Dentistry and Endodontics is one of the busiest departments at Centre for Dental Education and Research, All India Institute of Medical Sciences, New Delhi. Department concerned with the various restorative, endodontic and restorative procedures. It also looks after the management of traumatic dental injuries in adult patients. The department is equipped with state-of-the-art facilities which allow postgraduate students to learn and develop best clinical skills. In the past few years there has been a voluminous increase in the number of patients visiting the department.

Facilities available: 17 upgraded dental units for providing patient care. The division is equipped with latest technologies including preclinical simulation laboratory, dental operating microscope, LASER, dynamic navigation system. Etc.

Special clinics: New speciality clinics namely, dental trauma, esthetic and retreatment have been initiated. Patients with traumatic dental injuries and radiation cavities are also taken care.

Division of Orthodontics and Dentofacial Deformities

During the year under review we have provided greater emphasis on Interdisciplinary treatment of patients with Cleft Lip & Palate and combined orthognathic surgery patients suffering from facial deformities in addition to the routine orthodontic care.

Division of Periodontics

Various treatment procedures carried out in Periodontics Division are:

- Conventional non-surgical and surgical periodontal therapy
- Periodontal plastic surgery
- Soft and hard tissue regenerative procedures
- Diode laser assisted soft tissue excision and adjunctive pocket debridement procedures

Division of Anaesthesiology

Department of Anaesthesiology, CDER provides anaesthesia services for all types of Maxillofacial surgery cases performed under general anaesthesia throughout the year. This includes pre anaesthesia check-up, intraoperative management and postoperative care.

Division of Oral Pathology and Microbiology

Community services/camps

The Division of Oral Pathology and Microbiology has actively participated in AIIMS Institute Day 2024 by conducting screening for oral preconcert and oral cancer among attendees. Additionally, it collaborated with outreach areas of AIIMS and NCI Jhajjar to use AI based tools for oral cancer screening camps in rural areas. Utilizing techniques such as vital staining, fluorescence spectroscopy, and auto fluorescence spectroscopy, the division plays a crucial role in early detection of oral precancer and cancer. Furthermore, the Division serves as a key resource and expert in various oral cancer screening initiatives. It participates in workshops focused on training trainers for oral cancer screening and tobacco control programs, including Training of trainers of ASHAs, ANMs, Dentists, MO, SNOs for screening of Oral Cancer at NICPR and NHSRC, Ministry of Health and Family Welfare, consistently throughout the year. Under AICOE phase 1, in collaboration with IISc Bangaluru, were part of Arogyamukh Kumb at Maha Kumb 2025 trained various health care workers to conduct oral cancer screening. the division is actively involved in implementation and deployment of AI based tools for oral cancer screening in rural / outreach areas of 2 districts of Tamil Nadu, Karnataka, villages of UP. Also collaborating with various dental and medical institutes in India for MIDAS and AICOE phase 2.

Division of Pedodontics

The Division of Pedodontics and Preventive Dentistry deals with diagnosis and treatment of oral and dental diseases in children up to 14 years of age and those with special health care needs. On an average the division undertakes around 20000 procedures in children which range from simple to advanced paediatric dentistry procedures. We stress upon holistic and interdisciplinary care of all our patients by collaborating with other medical and dental specialities. We follow preventive protocol in almost all the patients and perform simple procedures as restorations, extractions to complex procedures as deciduous and permanent endodontic treatments, stainless steel crowns, space maintainers, habit breaking appliances and minor surgeries. Full mouth rehabilitation in children with early childhood caries, having severely mutilated multiple carious teeth is frequently done. Our division is also one of the pioneers of starting use of soft tissue lasers for surgical and bio stimulation procedures in paediatric dentistry in north India. breaking appliances and minor surgeries. Full mouth rehabilitation in children with early childhood caries, having severely mutilated multiple carious teeth is frequently done. For the parent and child education a software mobile application by the name of “Healthy Smile” is available on the Google playstore for the purpose of patient education and motivation for control of future dental caries.

Division of Public Health Dentistry

Emphasis of the department has always been to create oral health awareness and provide preventive and promotive care to the rural, underprivileged sections and special groups of the community. Routine preventive oral care and tobacco cessation services are provided both at the centre and also at the satellite centres in Ballbhgarh and Trilokpuri. In addition

to this, these services are extended to various community settings, schools, child care homes in and around Delhi, through outreach activities.

Public Health Dentistry is involved in various projects under WHO Collaborating Centre for Oral Health Promotion in South East Asian Region and National Centre of Excellence for the Implementation of National Oral Health Programme (NOHP) under Ministry of Health and Family Welfare.

Item	2022–2023	2023–2024	2024–2025
OPD consultations	Rs 0.68 Lakhs	Rs 0.70 Lakhs	Rs 0.71 Lakhs
Special clinic consultations	2,59,050	2,87,748	2,82,475
Total inpatient admissions	**666**	**829**	**940**

Awards, Honours and Significant Event

Professor Ritu Duggal was Guest Speaker for 4th National Conference of the Indian Society of Dental Traumatology at Radisson Blu Resort Goa, 4 April 2024. Chief Guest for 15th Graduation Day of KSR Institute of Dental Sciences at KSR Kalvi Nagar, Kuchipalayam, Tamilnadu 30 April 2024. Chairperson for CDE Program ADC R&R New Delhi, 3 May 2024. Guest of Honour for Workshop on "Future of Dentistry Vision 2030 – Challenges and Opportunities" Mumbai 9 June 2024. Guest of Honour for International Digital Dentistry Congress Mumbai, 8 June 2024. Guest of Honour for PG Orientation Program at Shree Bankey Bihari Dental Collage, Ghaziabad Utter Pradesh 29 July 2024. Guest Speaker for 13th PG Orientation Program at Manav Rachna International Institute of Research & Studies Faridabad, Haryana 21 August 2024. Invited as a Member for SMVDIMEW Jammu & Kashmir 5 October 2024. Chief Guest for BDS Orientation Program at Seema Dental Collage, Rishikesh, Utrakhand 22 October 2024. Chief Guest for Graduation Day at Siber Institute of Dental Sciences, Guntur Andhra Pradesh 19 November 2024. Invited as a Member for 1st Academic Advisory Committee Meeting at Manav Rachna International Institute of Research & Studies Faridabad, Haryana 18 January 2025. Speaker for 28th Indian Orthodontic Society Post Graduate Convention, 2025 at Manav Rachna Dental College, Faridabad 20-23 February 2025. Invited as a Member for Monitoring Committee for NMITLI project on Dental Implants at CSIR, New Delhi 07 March 2025. Guest Speaker and Panellist for 1st INI Dental Conference AIIMS Kalyani West Bengal 27-29 March 2025

Professor Ongkila Bhutia was appointed as chairperson and served as a member of various committees at the centre. She was also appointed as subject expert for the recruitment of faculty for AIIMS Maidangarhi on 29 November2024, held at AIIMS, Delhi, and member of hearing committee for grant of personal hearing to the Dental College for BDS & MDS Courses for the Academic Session 2025-26 by MoHFW on 14 November 2024.

Professor Vijay Prakash Mathur was Member of the National Steering Group, National Oral Health Programme. Member of the Committee for drafting National Oral Health Policy, Govt of India. Member of Committee for drafting Operational Guidelines for National Oral Health Program, Govt of India. Member of the expert committee on Finalization of list of over-the-counter (OTO) drugs for the Ministry of Health and Family Welfare, Govt of India. Member of Council on Continuing Education (for 2024-26), American Academy of Paediatric Dentistry. Member of the Science Committee of the International Association of Paediatric Dentistry. Member of the IADR Awards Review Committee (for 2024-26). President of the Indian Society for Dental Traumatology (term completed in October 2024). Vice President of the Indian Society for Dental Research (IADR- India Division). Hon. Treasurer of the Indian Society of Pedodontics and Preventive Dentistry (term completed in September 2024). Member of Science Committee of Indian Society of Pedodontics and Preventive Dentistry (term started from October 2024). Editor in Chief of the Journal of South Asian Association of Paediatric Dentistry (JSAAPD). (term completed in October 2024). Member Institute Security and Traffic advisory committee, the Institute Library Committee, the Institute of Standing Research committee, Staff Council of AIIMS. Professor in charge, Telemedicine. Chairman of AIIMS Main Cafeteria Management Committee. Expert for Standing Selection committee member for AIIMS, Rishikesh, AIIMS, Deoghar, Child PGI Noida, AIIMS, Gorakhpur, AIIMS Kalyani, AIIMS, Rajkot and AIIMS, Bhatinda.

Dr Rahul Yadav was Expert for district dental officer interview conducted by Jharkhand public service commission in April 2025.

Dr Amrita Chawla received Appreciation Award from International College of Dentists, Section VI – India, Sri Lanka and Nepal for contribution towards academics in February 2024. Went as external examiner to Jamia Millia Islamia for BDS 2nd year, MAIDS for MDS 1st year examination, MAIDS for BDS II-year examination, MAIDS supplementary for BDS II-year examination. Expert for district dental officer interview conducted by Jharkhand public service commission in April 2025. Scientific Chairperson in International Vital Pulp Therapy symposium at New Delhi from 19-21st February 2025. Elected Treasurer for Indian society of dental traumatology. Chairperson of sports dentistry in the Indian society of dental traumatology. Elected as Executive Committee Member (forth) of Indian endodontic society (IES). Elected as

member of National Academy of Medical Sciences (NAMS). Member of editorial board- Science Volks Open access Dentistry. Member of Bureau of Indian Standards (BIS) as young professional, Membership International Association of Dental Traumatology (IADT), Membership for American Academy of cosmetic dentistry (AACD), Membership of Indian Society of Dental Traumatology (ISDT), Membership of American Academy of Endodontics (AAE), Membership of Indian academy of conservative Dentistry and endodontics (IACDE). Reviewer for International journal- Journal of Endodontics, Australian Endodontic Journal, International Endodontic Journal, Indian journal- Journal of Conservative Dentistry and International Journal of Current Research and Reviews, BMC oral health, MDPI applied sciences.

Dr Vijay Kumar received Best paper award at 5th national conference of Indian Society of Dental Traumatology, Chennai from20-22 March 2025. Awarded fellowship of Royal College of Physicians and Surgeons – Glasgow. Organising secretary in International Vital Pulp Therapy symposium at New Delhi from 19-21st February 2025. Organising secretary in workshop titled "3D Dynamic Navigation in Endodontics" at AIIMS, New Delhi on 27th April 2024. Elected as Executive Committee Member in Indian Society of Dental Traumatology. Elected as Chair, Symposium Committee in the Indian Society of Dental traumatology. External examiner at Sharda Institute of Dental Sciences, Uttar Pradesh. Associate Editor, BMC oral health. Reviewer in International Endodontic Journal, Clinical Oral Investigations, BMC oral health, Case Reports in Dentistry, Journal of Conservative Dentistry, and Endodontology. Member of International Association of Dental Traumatology, Indian Society of Dental Traumatology, Indian Endodontic Society, Indian Association of Conservative Dentistry and Endodontics, European Association of Cariology. External expert for Board of studies at Manav Rachna Dental college. Dental expert for 2nd edition of National Essential diagnostic list

Dr Sidhartha Sharma was Awarded fellowship of Royal College of Physicians and Surgeons – Glasgow. Selected as the Director, International Association of Dental Traumatology. Awarded the third place for best scientific research (poster) at World Congress of Dental Traumatology at Tokyo Japan**.** Selected as co-chair of fellowship standing committee for International Association of Dental Traumatology. Selected as Joint Secretary, Indian Society of Dental Traumatology. Elected as Chair, Fellowship Committee in the Indian Society of Dental traumatology**.** Outstanding reviewer award for the journal Endodontology, the official journal of Indian Endodontic Society**.** Mentored two candidates for Indian Board of Endodontics diplomat examination. Member of Dentistry MHD-08 committee, Bureau of Indian Standards**.** External examiner for Final and Second year BDS examination at Government Dental College, Jaipur. Treasurer in a workshop titled "3D Dynamic Navigation in Endodontics" at AIIMS, New Delhi on 27 April 2024. Treasurer in "International Vital Pulp Therapy symposium" at New Delhi from 19-21 February 2025. Chairperson in 32nd national conference of Indian endodontic Society, Chennai. Associate Editor, BMC oral health. Reviewer in Clinical Oral Investigations, BMC oral health, Case Reports in Dentistry, Journal of Conservative Dentistry, and Endodontology. Member of International Association of Dental Traumatology, Indian Society of Dental Traumatology, Indian Endodontic Society, Indian Association of Conservative Dentistry and Endodontics

Dr Prabhat Kumar Chaudhari

Duly admitted as Dental Fellow of the Faculty of Dental Surgery, Royal College of Surgeons of England with postnominal of FDS RCS (Eng) (9325490). Chair of the Tellers Committee of the International Association of Dental Research (IADR) of the 2024-2025. Duly admitted as Dental Fellow of the Faculty of Dental Surgery, Royal College of Physicians and Surgeons of Glasgow with postnominal of FDS RCPS (Glasg) (139426). Dr. Lee W. Graber 'Orthodontics Changing Lives' Award by the World Federation of Orthodontists (WFO), USA (2024). Scientific Session Chair in the 58th Indian Orthodontic Conference at Bengaluru from 20-22 September 2024. Served as scientific reviewer of the postgraduate (PG) thesis (Dental) research proposals under the Department of Health Research-Indian Council of Medical Research (DHR-ICMR) PG thesis support program 2024. PG thesis evaluation of AIIMS, Jodhpur. PG thesis evaluation of the University of Adelaide, Australia.

Dr Deepika Mishra Been invited as the Guest of Honor at the 11th Transdisciplinary Annual Research Summit (XI Star), scheduled to take place on 5th July 2024 at Saveetha Dental College & Hospitals, Chennai, Tamil Nadu. She has served as an Expert Member for the Indian Council of Medical Research (ICMR), where she evaluated progress reports and assessed grant proposals. Additionally, she was appointed as an examiner at the GDC Indore for the MDS final examination. On 15 June 2024, Dr. Mishra was awarded the prestigious Dr. Abhay Chandak Memorial Lecture during the XXI National PG Convention of the Indian Association of Oral and Maxillofacial Pathologists (IAOMP), held in Pune. Dr. Deepika Mishra also serves on the Editorial Board of BMC Oral Health. She was recently invited by Springer Nature as a panelist to discuss Research Integrity in Institutions of Eminence, as part of the India Research Tour 2024. This prestigious event took place at top institutions like AIIMS Delhi, MAHE-Manipal. In September 2024, she was honored with the International Research Fellow award from SEGi University & Colleges in Malaysia. Additionally, Dr. Mishra has been elected as an Executive Council Member of the International Association for Dental Research (IADR). She was awarded for Women sustainability award at Gandhinagar by PDEU, Springer Nature and DST on 27 January 2025. She was invited as panelists by WHO headquarters Geneva in 2024 at PMAC Bangkok. She was also invited to talk on digital health innovations on 3rd edition of the Global Women's Health Innovation Conference & Awards 2024 at IIT Mumbai. In the AICOE she could secure grants for oral cancer screening from AIIMS as well as IISc oral cancer vertical and further strengthened the collaboration.

Dr Kunaal Dhingra Awarded Fellowship FDS RCS (Eng) of Faculty of Dental Surgery of the Royal College of Surgeons of England, UK. Appointed as Associate Editor of *Periodontal and Implant Research* journal. Appointed as Editorial Board Member of *Journal of Periodontal Research*. Appointed as International Dental Ambassador (India region) of Faculty of Dental Surgery of The Royal College of Surgeons of Edinburgh. Appointed as reviewer for the R&D Proposals under Research Grants for Women Scientists (CSIR-ASPIRE). Appointed as member of central core committee for National Level Oral and Dental Disease Burden Survey conducted under the aegis of the National Referral and Research Institute for Higher Dental Studies (NaRRIDS). Appointed as specialty advisor for *Updates* of The Royal College of Surgeons of England. Scientific Reviewer for DHR-ICMR "MD/MS/DM/MCh/DNB/DrNB/MDS" Thesis Financial Assistance Program. Appointed as Editorial Board Member of *Scientific Reports* journal. Appointed as Reviewer for the National Medical Research Council (NMRC)'s Population Health Research Grant, a national funding agency under the Ministry of Health Holdings, Singapore. Appointed as Online site visit committee member of Biotechnology Industry Research Assistance Council (BIRAC)'s Small Business Innovation Research Initiative (SBIRI) to boost Public-Private-Partnership

Dr Vikender Singh Diplomate of World Congress Of Oral Implantology. Fellowship of Pierre Fauchard Academy, Usa. Chairperson for the scientific session at 6th Global AAID and 12th WCOI conference on 10 November 2024, and 30th National Conference of ISOI on 28 September 2024.

Dr Varun Surya contributed to the NABL accreditation process of the Oral Pathology laboratory. The accreditation process was successfully completed in October 2024 with issuance of NABL certificate for the lab. He has also contributed to the NABH accreditation process for the CDER at AIIMS, which successfully concluded in November 2024. He is also a Co-lead in the consortium for the AI Centre of Excellence (COE) in health, led by the Indian Institute of Science, Bangalore. He was honored with the Fellowship of the Indian Board of Forensic Odontology, under the aegis of the Indian Association of Forensic Odontology, a member society of the International Organisation for Forensic Odonto-Stomatology (IOFOS). Additionally, he had the privilege of delivering an invited guest lecture at the esteemed Dr. D. K. Daftary Symposium on "OPMD – Newer Perspectives, Early Detection with Spectroscopy" during the 31st National Conference of the Indian Association of Oral Pathology & Microbiology, held at CSI College of Dental Sciences, Madurai. Additionally, he played a pivotal role in establishing India's first computational oral-pathology facility, enhancing digital integration in diagnostic workflows. We are also India's first oral pathology facility who have started Fluorescence In Situ Hybridisation for odontogenic tumors and cysts. Among these accomplishments, the co-development of the optical microscope with IIT Delhi stands out as a milestone—exemplifying his ability to lead and participate in high-impact collaborative research for the advancement of oral cancer detection and diagnosis.

Dr. Kalpana Bansal

Conferred with the AIIMS Research Excellence award on the 4th Annual research day held on 30 January 2025. Uploading of the educational app for the I-phone users – "Healthy Smile" mobile application on the app store was also a significant event as this one of its kind in the country. The aim of this app is to disseminate the users with the detailed knowledge about the methods to prevent the caries onset and progression in children This was accomplished on 13 November 2025.

Dr Nitesh Tewari Appointed as the Communication Officer of International Association of Dental Traumatology International Association of Dental Traumatology. Appointed as Member of Meetings Committee, Education Committee, Membership Committee, Guidelines Committee, and Chair of Social Media Committee of International Association of Dental Traumatology. Highest citation award 2025- One publication was the most cited article in the Dental Traumatology Journal in 2023-24- Devi KP, Tewari N, O'Connell A, et al. Risk factors associated with traumatic dental injuries in individuals with special healthcare needs-A systematic review and meta-analysis. *Dent Traumatol*. 2024;40(1):91-110. doi:10.1111/edt.12882. Highest citation Award 2024-Two publications were awarded as the most cited articles published in 2022-23 in the Dental Traumatology Journal. Appointed as Editorial Board Member of Journal of Indian Society of Pedodontics and Preventive Dentistry in October 2024. Appointed as General Secretary of Indian Society of Dental Traumatology on 22 August 2024 Indian Society of Dental Traumatology. Appointed as the Co-Opted Member of Biomedical Health Sciences of the Anusandhan National Research Foundation ANRF (SERB) DST, Government of India.

Dr Rahul Morankar G was Awarded best research paper in the faculty original research category at the 45th Indian Society of Pedodontics and Preventive Dentistry (ISPPD) annual national conference, held from 26-28 September 2024 in Yelahanka, Bengaluru, for presenting a 12-month Randomized Clinical Trial on the success outcomes of Regenerative Endodontic therapy using different intracanal medicaments. Awarded the session's best scientific research paper in the faculty research category at the 21st PG convention of ISPPD held between 30 Jan- 1 February at Mumbai on the topic titled "Assessment of Operator-Related Variability in Thermal Pulp Sensibility Tests". Recommended and nominated by the IADR-Indian Division after competition among ISDR members as an Indian Awardee to participate in the prestigious IADR Hatton Award in IADR General Sessions and Exhibitions to be held from June 24-28, 2025 in Barcelona, Spain for our work titled - "Prevalence of Dental Pulp Calcification among young cancer survivors receiving anticancer therapy" in Senior Clinical Research category Elected as an Executive committee member for the Indian Society of Dental Traumatology, an eminent scientific association, for the term 2024-27.

Dr Harsh Priya was Nominated by Government of India for Commonwealth Shared Scholarship for MSc Health Analysis and Policy Management at University of Strathclyde, Glasgow. Nominated by Government of India for Commonwealth Scholarship for 2024-25 for Masters in Public Health at Imperial College London. Selected for Long Term ICMR-DHR International Fellowship for Young Indian Biomedical Scientists 2023-24 to Mcgill University, Canada. Placed on Alternate Panel for the 2024-2025 Hubert H. Humphrey Fellowship Program on behalf of the J. William Fulbright Foreign Scholarship Board, the U.S. Department of State, the Institute of International Education, and the United States-India Educational Foundation. Received Investigator- Initiated Research Proposal ICMR Small Extramural Grant. Fellowship of Pierre Fauchard Academy, USA. Elected Executive Member of Indian Society of Dental Research. Nominated as Member of the (International Association of Dental Research) IADR Task force on DEIAB (Diversity, Equity, Inclusion, Accessibility, and Belonging). Member -IADR e-Oral Health Network.

Dr Bharathi M Purohit was Member of the Global Burden of Disease (GBD) Collaborator Network and co-author for annual updates for GBD study estimates published in Lancet Journal. Associate Editor for BMC Oral Health: BMC Oral Health, Peer reviewed International Journal from Springer Nature (UK). Reviewer to International Indexed Journals including International Dental Journal, International Journal of Pediatric Dentistry, Community Dental Health. Two Copyrights registered in the year 2024, under literary work in the year 2024 for 'predicting pathways for unmet prosthetic needs' and 'social network analysis of oral hygiene aides in resource challenged settings'. The first work presents a framework to identify and forecast unmet prosthetic needs across population groups. The second work offers insights into strengthening grassroots-level oral health service delivery and optimizing community-based health networks. Member of PhD Doctoral committee member for PhD thesis for students pursuing their course at AIIMS New Delhi and AIIMS Bhopal. Expert Contributor in development of a public awareness video at AIIMS New Delhi, which focused on the Prevention of Oral Cancer in 2024. The content was designed to communicate key preventive measures, risk factors, and early detection strategies in an accessible language. Invited as Expert Panelist for Door Darshan Live Health show -'Hello Doctor' addressing public queries on oral hygiene (May 2024).

10.3 Diagnostic and Interventional Onco-Radiology

Chief

Sanjay Thulkar

Professor

Chandrashekhara SH

Additional Professors

Ekta Dhamija

Mukesh Kumar

Associate Professor

Krithika Rangarajan

Senior Technical Officer

Shri Vijay Chandel

Laboratory Oncology

Professor and Officer in charge

Ritu Gupta

Professors

Sanjeev Kumar Gupta

Anita Chopra

Pranay Tanwar

Amar Ranjan

Associate Professor

G Smeeta

Scientists

Gurvinder Kaur (Till February 2025)

Deepshi Thakral

Vivek Kumar Singh NgangyolaTuikhar

Chief Technical Officer

Saroj Singh

Medical Oncology

Professor and Head

Sameer Bakhshi

Professors

Ajay Gogia

Ranjit Kumar Sahoo

Additional Professors

Prabhat Singh Malik

Sameer Rastogi

Atul Batra

Raja Pramanik

Sachin Khurana

Chandra Prakash Prasad

Thoudam Debraj Singh

Mayank Singh

Associate Professors

DeepamPushpam

Akash Jha

Assistant Professors

Chethan R

Babita Kataria

Aparna Sharma

Scientists

Bharat Bhushan
Sachin Kumar
Sampa Ghose
Surender K Sharawat

Medical Physics
Professor and In-charge
Pratik Kumar

Assistant Professor
Raj Kishore Bisht

Scientist-II
Susama Rani Mandal

Onco Anaesthesia & Palliative Medicine
Professor and Head
Seema Mishra

Professors

Rakesh Garg
Nishkarsh Gupta
Vinod Kumar
Sachidanand Jee Bharati
(On sabbatical leave)

Associate Professors
Brajesh Kumar Ratre

NCI, Jhajjar, FACULTY
Associate professor
Anuja Pandit

Associate professor
Saurabh VigShweta BhopaleBalbir Kumar

Assistant professors
Raghav GuptaPrashant Sirohiya

Assistant professor (Contractual)
Prateek Maurya

Assistant professor (Contractual), Palliative Medicine

Puneet Rathod
Bhanu Pratap Maurya

Preventive Oncology
Associate Professor

Pallavi Shukla

Scientist II

Sujata Pathak
Kumar Sandeep

Scientist I

Asrar Alam
Pawan Kumar

Radiation Oncology

Professor and Head of Department

Suman Bhasker

Professors

Sushmita Pathy | Subhash Gupta | Haresh KP

Rambha Pandey | Ahitagni Biswas

Associate Professors

Subramani V (Medical Physics) | Gopishankar N (Medical Physics)

Dhanbalan R (Medical Physics) | Surendra Kumar Saini

Associate Professor (NCI)

Aman Sharma | Supriya Mallick

Assistant Professors

Anjali VR | Abhishek Shankar

Assistant Professor (NCI)

Karun Kamboj | Anil Gupta

Medical Physicist

Senior Medical Physicist

Sairem Megha Singh

Senior Medical Physicist (NCI)

Seema Sharma

Medical Physicist

Rajendran M | Ashish Binjola

Mohana M | Jyoti Yadav

Medical Physicist (NCI)

Sangeeta Hazarika | Jaswin Raj N.M

Surgical Oncology

Professor and Head

Sunil Kumar

Professor

Mukurdipi Ray

Associate Professors

Ashutosh Mishra | Sandeep Kumar Bhoriwal

Associate Professor (NCI, Jhajjar)

Jyoti Sharma

Assistant Professor

Babul Bansal

Assistant Professor (NCI, Jhajjar)

Naveen Kumar
Amitabh Mandal
Jyoutishman Saikia
Bittu Bhukkal

DCR

Head

Sunil Kumar

Scientist

N. Manoharan

Scientist–II

Rajeev Kumar Malhotra
(Till 31.7.24)

Chief MSWO

Ashok Kumar Singh
(Till 30.6.24)

Supervising MSWO

Indu Gaur
(Till 31 October 24)

This team has worked collaboratively to deliver comprehensive, compassionate, and high-quality nursing care throughout the year.

Dietitics

Dietician

Markynti M

Physiotherapy

SENIOR PHYSIOTHERAPIST

NIRMAL KUMAR

Medical Social Welfare Unit

Medical Social Welfare Officer

Neetu S. Mahajan

The Chief Professor

Sushma Bhatnagar
(1 April 2024-15 February 2025)

Professor

Sanjay Thulkar
(16 February 2024 to till date)

Addl. M.S. Professor

Sanjay Thulkar

F & CAO

Trilok Chand

Sr. Stores Officer

Archana Sharma

Admn. Officer

Raj Kumar Bhola

Highlights

DCR

The Delhi Cancer Registry is a Population Based Cancer Registry which collects cancer patient's data from more than 172 government or private hospitals/centers and 250 nursing homes and vital statistics division of MCD and NDMC and reports the incidence of various cancers among Delhi Urban residents and covers 97.5% of Delhi population according to 2011 census. The common sites of cancer among Delhi males are lung, mouth, tongue, prostate, and larynx and in females the common sites of cancer are breast, cervix, gallbladder, Ovary, and corpus uteri. The median age of diagnose of cancer for males is 58 and for females 55 years. The top ten cancer leading sites covers 55.1% and 67.2 % of total cancer cases in males and females, respectively. The reports prepared by registry are being widely used by medical students, researchers, govt. organization etc.

Diagnostic and Interventional Onco-Radiology

The department is deeply engaged in research across a range of fields including artificial intelligence, machine learning, medical devices, and medical robotics. Faculty members also participate in rotations to provide radiology services—such as X-rays, ultrasound, CT, and MRI scans—specifically to cancer patients at NCI-AIIMS in Jhajjar, alongside their work at BRAIRCH, AIIMS Delhi.

The department has taken a proactive role in supporting the installation and operation of new radiology equipment at NCI-AIIMS, Jhajjar, and has contributed to the development of protocols for its use. Weekly multidisciplinary tumor board discussions are held, with a focus on gastrointestinal cancers, lung cancer, and sarcomas.

Moreover, faculty members have been actively involved in organizing workshops and contributing to national and international conferences throughout the year. In addition, they collaborate closely with IIT Delhi and other leading institutions in India on various research projects.

Laboratory Oncology

- **Patient care:** Laboratory Oncology Unit is an advanced cancer laboratory for leukemia diagnosis using blood and bone marrow morphology and next generational flow cytometric immunophenotyping. Apart from routine clinical applications, specialized services like minimal residual disease (MRD) detection, therapeutic monitoring for monoclonal antibodies, CSF, body fluid and fine needle aspirate immunophenotyping are being provided. The patients are also offered state of the art molecular diagnostic facilities for all hematological malignancies. In addition, the laboratory also took lead in establishing and maintaining the round-the-clock services at the 'Robotic Core Lab' at NCI, Jhajjar.

- **Research:** The Laboratory Oncology Unit has been actively involved in many intramural, extramural, inter-institutional and intra-institutional research projects and research collaborations, and has published more than 300 papers in national and international journals in the last 5 years. The various Inter-Institutional collaborations include those with Indian Institute of Technology (IIT, Delhi), Indian Institute of Information Technology (IIIT, Delhi), National Institute of Immunology (NII), Jamia Hamdard University, Delhi, Institute of Genomics & Integrative Biology (IGIB), New Delhi, NIPCR- Noida, NIOP- Safdarjung.

- **Education:** Laboratory Oncology provides peripheral blood and bone marrow morphology, myeloma and flow cytometry training to MD residents from Pathology, Hematology and Lab Medicine. In addition, DM residents from Medical Oncology, Pediatric Oncology, Hematopathology also receive training here. The Laboratory Oncology Unit has an active PhD programme with many PhD students working on the ongoing research projects. The laboratory encourages students to apply for short-term research training.

Medical Oncology

Department of Medical Oncology is known for its high-level academic program, busy clinical service, stem cell transplant program, and research activity. Its academic program PhD, DM and BMT Fellowship are very competitive and sought after. Department also attracts students from National science academies and universities for summer training. Publications in high impact journals, research grants and recognition of faculty members and scientists by various government /Grant agencies are witness to their quality contribution.

Activities /steps taken to improve patient care services, education and research

1. Regular seminar by '**Distinguished Speakers' Seminar series**" by eminent speakers (both from India and abroad) have given invited seminars on a range of topics, these have been liked by young faculty members.
2. Organised the Best of ESMO 2024 & Uro - Oncology Updates

3. BIOSTATISTICS WORKSHOP – In collaboration with Kolkata Gynae-oncology Trials and Translational Research Group (KolgoTrG), NCI-AIIMS organized a 3-day intensive biostatistics workshop for clinicians on 08-10 November 2024. Delegates from various Institute of National Importance(INIs) attended the workshop. International faculty members – Dr. Atanu Bhattarjee (Professor, biostatistics, University of Dundee and Dr. KelleyM. Kidwell from the University of Michigan took lectures on various biostatistics principles. Faculty members from IRCH and NCI also mentored the sessions throughout the workshop.
4. BRAINSTORMING SESSION with KolgoTrG and Gynecologic Cancer Inter Group (GCIG) in Gynae-Oncology: We arranged a brainstorming session for clinical trials in Gynae-oncology on 5 December 2024 under the mentorship of Dr. Michael Bookman – Chair, GCIG and Dr. Mary Eiken, CEO- International Gynecologic Cancer Society (IGCS) - faculty from NCI, IRCH and KolGoTrG presented their research proposals for feedback from the international faculty. Pragmatic clinical trial designs and the feasibility of expanding future trials from AIIMS and KolGoTrG as multi-centric IGCS and The Cervix Cancer Research Network (CCRN) studies were discussed.
5. WORKSHOP for NCI and IRCH Nurses: 5 Nursing officers each from NCI and IRCH participated in the workshop where they were trained for Nurse-led Genetic counseling. NCI hosted the workshop on 5 December 2025 in collaboration with the KolgoTrG team.

Medical Physics

Medical Physics Unit, IRCH provides services related with radiation safety, quality assurance, radiation dosimetry, x-ray image optimization related services about 20 Departments, facilities and sections at AIIMS. Welook after regulatory compliance related work for more than 170radiation equipment and AIIMS and NCI Jhajjar. As per Atomic Energy Regulatory Board (AERB) regulations, all application of radiation in medicine should comply with the relevant rules regarding CT, x-ray radiography, mammography, fluoroscopy, angiography, C – arm, DEXA, O – arm etc. We provide consultancy for radiation safety to patients, staff and public, carry out irradiation of blood bags, research related with optimization of radiation dosimetry and imaging and education in diagnostic medical physics area. During 2024-2025 we carried out 26, 173 measurements, tests, consultancy, experiments and radiation sterilization of blood bags for blood transfusion.

Onco-Anaesthesia & Palliative Medicine

The department of Onco-Anaesthesia and Palliative Medicine has started providing services in 8 New Operation Theatre at NCI, 50 beded Intensive Care Unit (ICU), 40 bedded Palliative Care Ward (PCU) at National Cacncer Institute (NCI), Jhajjar. A dedicated Interventional Cancer Pain Programme is also started at NCI, Jhajjar. An initiative to integrate concept of palliative care across specialities of Pulmonary Medicine, Cardiology, Emergency Medicine, Neurology, Nephrology and Geriatric Medicine has started to improve patient care and their quality of life. The other new services started for various diagnostic interventions includes anaesthesia for endoscopies, ERCP and stenting and pediatric sedation at NCI. A cardiorespiratory Exercise Testing (CPET) lab has been started for perioperative screening of high-risk cases. The department has developed and published protocol and SOPs book for better patient management.

Preventive Oncology

Major activities of the department

1. **Health Promotion and Education:** Reaching the unreached through awareness generation is the major arena of Preventive Oncology. Awareness of the masses for common preventable cancers was enhanced through various platforms including mass media through media cell and twitter handle of AIIMS, conducting awareness sessions in schools and colleges, celebrating important cancer awareness days and months.
2. **Outreach activities:** Took initiatives and collaborated with other agencies for reducing and limiting cancer burdens through vaccination drives and screening/ early detection. Outreach activities including health & wellness, vaccination and screening camps for underprivileged individuals.
3. **Teaching, training and capacity building:** Initiated PhD programme in the Department. Capacity building of various cadres of healthcare professionals, in risk assessment and common cancer screening, both within and outside the institute. As a technical resource, for Delhi State in NP-NCD programme, conducted trainings of Medical Officers and nurses. Facilitated training of the scientists in Preventive Oncology in tobacco cessation for providing these services for the IRCH patient and their attendants.
4. **Patient care:** Initiated yearly follow-up of clinic patients. Streamlined HPV vaccination for EHS beneficiaries. Initiated HPV vaccination for non-EHS beneficiaries through the support of NGOs. Facilitated mammography screening for EHS beneficiaries above 50 years of age.

5. **Research:** Faculty and scientists actively engaged in intramural and extramural grants pertaining to early detection, prevention and immunotherapy in cancers. Research is also underway for accelerating the cancer early detection and treatment initiation as part of National Programme.
6. **Advocacy:** As a technical resource person helping in training and capacity building of the health care professionals of Delhi state, and also help in formulating the State PIP for NP-NCD programme in Delhi. As one of the site selected by the National Health Priority of ICMR, for accelerating cancer screening and treatment initiation, recommendations will be provided to Government of India for improving the implementation of the National Programme for Non communicable diseases.

Radiation Oncology

The Department of Radiation Oncology is delivering high-quality comprehensive cancer care services. The department is engaged in teaching and research work along with taking care of cancer patients. The department has always aimed to achieve excellence in all domains of cancer care by collaborating with other departments at Dr. BRAIRCH and AIIMS. The department has an excellent team and a mix of faculty members with varying experience, making guidance and mentoring more balanced.

Currently, the department is equipped with high-end state of art Radiation therapy facilities with Linear Accelerators and Brachytherapy units to deliver the most advanced radiation treatment like IMRT, VMAT, SBRT, and brachytherapy. Our department has achieved many milestones in clinical care, teaching standards, and research contribution and always striving to improve in subsequent years. The Department runs post-graduate academic courses like MD and Ph.D. There are about 18 postgraduate residents and 18 senior residents. Our department has highly motivated faculty members who are actively engaged in clinical care, academics, and research activities. Many ongoing research studies and clinical trials are being conducted with the research grants of Indian funding agencies and international research organizations.

Surgical Oncology

During the year 2024–2025, the Department of Surgical Oncology made significant contributions in the domains of patient care, education, and research. The department expanded its surgical services at the National Cancer Institute (NCI), introducing advanced and complex oncological procedures as well as comprehensive diagnostic and therapeutic endoscopy services. Faculty members actively participated in cancer awareness, prevention, and registry activities in collaboration with government bodies and NGOs.

A total of **2,564 complex major cancer surgeries** and **10,236 diagnostic, therapeutic endoscopic, and minor procedures** were performed during the year.

Key Activities and Steps Taken:

1. Successfully performed over 12, 800 major and minor cancer surgeries across IRCH and NCI, maintaining morbidity and mortality rates at par with international benchmarks.
2. More than 45,000 OPD consultations.
3. Launched a special initiative to reduce waiting times for common cancer surgeries at AIIMS (IRCH and NCI).
4. Implemented the ERAS (Enhanced Recovery After Surgery) program to optimize hospital stay and resource utilization.
5. Initiated a Departmental Quality Control Program, including regular morbidity and mortality audits and quality metric assessments.
6. Established a structured computerized clinical database, enhancing data collection and research capabilities.
7. Assigned organ-specific databases to residents (M.Ch and non-academic SRs), with mentorship by faculty for research, conference presentations, and publications.
8. Started hybrid teaching programs to facilitate academic connectivity between IRCH and NCI campuses.
9. Initiated multiple RCTs and collaborative research projects with premier institutions such as IIT, ICMR, DBT, and IISc.
10. Organized several national and international academic events.
11. Achieved a high research output with over 50 publications in peer-reviewed high-impact journals and numerous international presentations.

Action Plan for 2025–2026:

The department aims to further enhance patient care and academic excellence in the upcoming year through the following initiatives:

- Introduction of emerging surgical technologies including robotic surgery, navigational surgery, and intraoperative radiotherapy (IORT).
- Expansion of tele-oncology services to improve accessibility and continuity of care.
- Continued development of computerized clinical databases and fast-track surgery programs aligned with ERAS protocols.
- Launch of innovative, patient-centric research projects, particularly tailored to Indian cancer patient demographics.

Summary:

The year 2024–2025 marked a milestone for the Department of Surgical Oncology, with the highest number of complex oncology procedures performed to date. Through a robust combination of clinical excellence, academic innovation, and research productivity, the department has set new standards in cancer care and remains committed to its mission of delivering world-class oncological services.

Nursing Services

- Throughout the year, the nursing team at IRCH actively led various cancer-related awareness, education, and quality initiatives.
- Numerous programs were held in OPD/IPD areas to educate the public on prevention and early detection, with specialized seminars for nurses on breast and cervical cancer conducted in October both years.
- On World Cancer Day (4 February), staff organized rallies, NukkadNataks, and informative sessions to engage the community.
- October's Breast Cancer Awareness Month saw free screening camps for IRCH female employees and awareness sessions across AIIMS centers, along with DNC-accredited workshops and a poster competition.
- January's Cervical Cancer Awareness Month included HPV vaccination camps (supported by Rotary Cancer Foundation), health talks in schools and AIIMS blocks, and a poster contest for nursing students.
- A dedicated cancer screening camp was held in October for 30 female staff.
- Nurses Day was celebrated in May with staff felicitation and motivational sessions.
- Quality initiatives included Kayakalp and SwachhtaPakhwada programs, focusing on cleanliness, infection control, and involving staff through competitions.
- Cytotoxic Drug Safety Month (September) featured training and a DNC-accredited CNE.
- Emergency preparedness was reinforced through regular fire drills.
- Educational efforts were extensive, with 80 CNE classes in 2024, NABH training in January 2025, and oncology nursing training provided to nurses from other AIIMS institutes.
- Over 55 new NORCET nursing officers received induction training.
- Nurses also played a key role in clinical services such as preventive oncology clinics, wound and stoma care, and infection control, participating in events like World Health Day and Global Handwashing Day to promote safety and hygiene.

Dietitics Unit

The Dietetics Services in Dr. BRA IRCH caters to the needs of both in-patients and out-patients respectively. With co-ordination along with the Main Dietary Department food services from the Main Hospital Kitchen are provided to cater for the needs of all in-patients admitted in both General and Private Ward. In addition, Good Day Biscuits distribution is also extended to Daycare in-patients getting treatment in all IRCH Daycare Centre situated in different buildings of AIIMS Campus.

Physiotherapy Unit

Physiotherapy services at Dr. B.R. Ambedkar Institute Rotary Cancer Hospital (IRCH), AIIMS, New Delhi, were initiated in 1997 and have since evolved into a vital component of comprehensive cancer care.The department currently includes a team of four permanent and three outsourced physiotherapists who deliver specialized rehabilitation services across a wide spectrum of inpatient and outpatient settings.

Education

1) Patient Education/Public Education

- Multiple cancer awareness programs were organized for the general public in OPD and IPD areas of IRCH, emphasizing the importance of cancer prevention, early detection, and treatment options.
- World Cancer Day was observed on February 4th with a series of public outreach initiatives including awareness rallies, informative sessions, Nukkad Natak and distribution of educational materials.Nursing Staff actively engaged with the community to highlight the importance of early diagnosis and regular screening.
- Implemented breast cancer awareness sessions in various centres /Block of AIIMS (NCA, RPC, CDER, CTC & New RAK OPD) specifically targeted at women, covering self-breast examination techniques, symptom recognition, and screening schedules.
- Organized HPV vaccination camps and HPV Sampling for women in association with Preventive Oncology Unit in IRCH and various Schools of Delhi NCR. Vaccines were provided by Rotary cancer foundation.
- Delivered health education talks emphasizing the significance of HPV prevention, regular gynaecological check-ups, and safe practices in various blocks and centres of AIIMS and Various Schools of Delhi NCR in association with Preventive oncology Unit.
- Poster competition was conducted for AIIMS Nursing College students on cervical cancer prevention

CME /Workshop/Symposia/National and International Conference

OncoAnaesthesia & Palliative Medicine

1. 4th CME of IAPC Delhi state chapter, Geriatric Palliative Care: Guiding light through life's transitions, April 2024, New Delhi
2. 5th CME of IAPC Delhi state chapter in association with CanSupport, Finding light in the shadows: End of life care in last days and hours, July 2024, New Delhi
3. AIIMS-ICMR Capacity building workshop, 20-21 July 2024, NCI, Jhajjar
4. 6th CME of IAPC Delhi state chapter, association with Oncology Nurses Association of India: Cancer prevention and Palliation, August 2024, New Delhi
5. 7th CME of IAPC Delhi state chapter, Pediatric Palliative Care, September 2024, New Delhi
6. 8th CME of IAPC Delhi state chapter, Neuro-Palliative Care & Public lecture on Advanced Care Directive and Living Will, October 2024, New Delhi

Preventive Oncology

- Preventive Oncology workshop program in the IAPSM Young Leaders Conclave jointly organized with Preventive Oncology NCI, Jhajjar on 8 November 2024 in Delhi
- Strengthening primary care in preventing cervical cancer jointly organized with Trained Nurses Association of India on 23 January 2025
- One day online workshop on Preventive Oncology for residents and Medical Officers involved in Population based common cancer screening jointly organized with BRD Medical College, Gorakhpur, UP on 14 February 2025
- Training for medical officers of South East Delhi district on 4 March 2025 on Screening for breast and cervical cancer
- Training for medical officers of South Delhi district on 7 February 2025 on Screening for breast and cervical cancer

- Celebrated Breast Cancer Awareness month in October 2024 by delivering Health awareness talk throughout the month at various centres of AIIMS, New Delhi.
- Celebrated Cervical Cancer Elimination Day by organizing *Nukkad Natak and Oath Ceremony* on 12 November 2024.
- Celebrated Cervical Cancer Awareness month in January 2025 by delivering Health awareness talk throughout the month at various centres of AIIMS, New Delhi. Celebrated World Cancer Day on 4 February 2025 in collaboration with Tibetan Cancer Society at DR. BRA-IRCH, AIIMS.

Laboratory Oncology

- 'Expert Group Meeting on MRD in Multiple Myeloma-Prevailing Practice and the Way Forward' at Dr. Ramalingaswamy Board Room, AIIMS, New Delhi on 13 September 2024.

Surgical Oncology

1. **AIIMS Surgical Oncology Conclave (ASOCON 2024) -**The Department of Surgical Oncology successfully organized AIIMS Surgical Oncology Conclave (ASOCON 2024) aimed at advanced surgical education of young surgeons. (Organising Chairman- Dr Sunil Kumar, Org Sec- Dr Naveen Kumar).
2. Senior resident wet lab minimally Invasive skill training program in Chennai
3. AIIMS Oncology Conclave at NCI

Nursing Services

CNE/Workshop/Conferences

- Specialized seminars and workshops focused on breast cancer and cervical cancer, organized for nursing professionals in the month of October at SET Facility, Convergence Block. These sessions included expert talks, patient stories, Skill stations and Q&A interactions
- Delhi Nursing Council Accredited CNE workshop conducted for Nursing personnels of AIIMS on 18 October 2024 at SET Facility, Convergence Block, New Delhi.
- Conducted training sessions, hands-on demonstrations, and refresher workshops to ensure staff competency on cytotoxic drug safety
- Organized DNC Accredited CNE on cytotoxic drug safety in September at SET Facility, Convergence block for Nursing personnels of IRCH and other Centres and Blocks of AIIMS. These sessions included expert talks, patient stories, Skill stations and Q & A interactions.

Nursing Education Classes

- Held regular educational sessions for nursing staff on topics such as latest advancements in oncology nursing, infection control, and critical care management etc. In the year 2024, 80 CNE classes were organized by Inservice education for IRCH nursing staff. CNE sessions are organizing on every Tuesday and Friday between 2-3 PM at seminar room, First Floor.
- Encouraged active participation and knowledge sharing to promote evidence-based practices. Both medical, technical and nursing faculties were taken the Session.
- Nursing staffs were regularly deputed for various nursing workshops and conferences organized by other departments/ centres/blocks of AIIMS and College of Nursing

NABH Training and Preparation

- Nursing staff actively participated in NABH (National Accreditation Board for Hospitals) training sessions to align with accreditation standards in second week of January 2025
- Focused areas included patient safety, documentation protocols, infection control, ethical practice etc

Oncology Nursing training for other AIIMS Nursing staff

- The Nursing Department conducted comprehensive oncology nursing training programs for nurses from various

AIIMS institutions to enhance their clinical competence in cancer care. A total of 10 nurses each from AIIMS Bibinagar and AIIMS Bilaspur underwent one-month hands-on training across various IPD and OPD units including medical, surgical, and radiation oncology, day care chemotherapy, preventive oncology, palliative care, and wound and stoma care services in the year 2024.

- Two nurses from AIIMS Jodhpur were trained in the Bone Marrow Transplant (BMT) unit for one month, focusing on pre- and post-transplant care, central line management, and infection control.
- Additionally, 20 nurses from AIIMS Jammu completed an intensive three-month training program covering all oncology departments.
- The training included clinical postings, theoretical sessions, and skill assessments, resulting in improved knowledge, confidence, and readiness among participants to deliver specialized oncology nursing care at their respective institutions.

Induction training for newly recruited NORCET Nursing officers

- In 2024 and 2025, over 55 newly recruited NORCET Nursing Officers underwent a comprehensive induction training in oncology nursing, aimed at equipping them with essential knowledge and skills to provide specialized care to cancer patients.
- The program focused on core areas such as chemotherapy administration, management of treatment side effects, palliative care principles, patient counseling, and infection control practices. Designed to ease the transition into oncology settings, the training emphasized a multidisciplinary approach, fostering collaboration with oncologists, pharmacists, and other healthcare professionals.
- The initiative not only enhanced clinical competencies but also strengthened the nurses' confidence in delivering empathetic, evidence-based oncology care.
- The session was handled by senior nurses and conducted at SET Facility and IRCH

Dietitics Unit

Represented as Speaker on the topic "Unlocking the Secrets of Diet in Prevention of Cancer"

for in service education program "Empowering Nursing Excellence: Advancing Clinical Competencies Towards Cancer Screening and Prevention" organized by the College of Nursing, AIIMS, New Delhi.

Medical Social Welfare Unit

CMEs:

Topic: Patient Welfare: Developments and Roadblocks Date/Location: 7th August 2024/ AIIMS IRCH Delhi

Topic: Revival of Welfare Services Date/Location: 6th March 2025/ AIIMS IRCH Delhi

CNE:

Topic: Medical Social Services (welfare) in hospitals CNE with AIIMS Hyderabad Nursing Officers Date/ Location: 29th July 2024/ AIIMS IRCH Delhi

WORKSHOPS:

- Topic: Medical Social Services at Hospitals Date/Location: 22nd July 2024/ NCI JHAJHAR
- Panelist in annual seminar of Indian Cancer Society titled "The reality of Cancer: Bridging the Gap" Date/Location: 1st September 2024/ Delhi IHC
- Resource Person in Safai Mitra Suraksha Shivir part of Swatchta Pakhwada, a session on Govt. Welfare Schemes for sanitation workers Date/Location: 27th September 2024/ Department of Social Work, Jamia Millia Islamia, New Delhi
- On title "Cancer Awareness Prevention and Support" International Panel discussion telecasted in 3 countries (Switzerland, India and Canada on V4U radio/TV) Date/Location: 14th October 2024/ Online
- Resource Person National Parkinson's Network Chintan Shivir Date/Location: 13th December 2024, Delhi
- Welfare Schemes run (facilitated) by MSWU IRCH at 245th Sachin Sarcoma Society patient support group meeting

Date/Location: 19th January 2025/ Online

- World Cancer Day awareness session for OPD patients Date/Location: 4th February 2025/ OPD Dr.BRAIRCH AIIMS Delhi
- Awareness talk on social media through vlogs on WCD 4 February 2025/Online
- Article in Cancer Sahyog Souvenir Indian Cancer Society.(2024).The Reality of Cancer Bridging the Gap.Pg.36-38

Diagnostic and Interventional Onco-Radiology

Lectures delivered at CMEs, National and International Conference: 44

Chandrashekhara SH: 7 **Ekta Dhamija: 13**

Krithika Rangarajan: 17 **Mukesh Kumar: 7**

DCR

Rajeev Kumar Malhotra took lectures in academic schedules and was involved as co-supervisor in Radio-Therapy and Onco-Anaesthesia MD thesis.

Lecture Delivered: Rajeev Kumar Malhotra

1. Rajeev Kumar Malhotra, Understanding of statistical inference and sample size for estimation, Online workshop on sample size determination & power analysis in Health research organized by the Resilient Foundation for Academic Innovation & Scientific Research, New Delhi, 11 May 2024, Online
2. Rajeev Kumar Malhotra, Sample size determination based on hypothesis testing, Online workshop on sample size determination & power analysis in Health research, Resilient foundation for academic Innovation & scientific Research, New Delhi, 12 May 2024, Online
3. Rajeev Kumar Malhotra, Sample size determination in case-control and cohort studies and reporting of sample size, Online workshop on sample size determination & power analysis in Health research, Resilient foundation for academic Innovation & scientific Research, New Delhi, 13 May 2024, Online

Chandrashekhara SH

1. Indigenously Designed and Fabricated Auxetic Vascular Stents using the Laser Powder-bed Fusion Technique: My Journey From Scratch To Stents!!!., 25th Annual Conference of Indian Society of Vascular and Interventional Radiology, 6-9 February 2025, Kochi, Kochi
2. Panel discussion in tumor board in lung cancer session, 25th annual conference of Indian Society of Vascular and Interventional Radiology, 06-09 February 2025, Kochi., Kochi.
3. EVLA for varicose vein- How I do it, Symposium on vascular interventional radiology, 14 December 2024., AIIMS, Delhi
4. AI and robotics in image-guided biops, Spectrum India 2025, 8 November 2024, Mumbai, Mumbai
5. Panel discussion on ‘ Lung cancer tumor board’, Spectrum India 2025, 8 November 2024, Mumbai, Mumbai
6. Panel discussion on ‘locally advanced lung cancer: multimodality treatment’, IASCLC Asia lung cancer, 19 October 2024, Hong Kong, Hong Kong
7. New age of IR: Robotics in image-guided therapies, CME on image-guided therapies, 20 April 2024, Gurugram, Gurugram

Ekta Dhamija

1. Probable updates in new BIRADS edition of MRI, ICRI-BISI Synergy series, 6 April 2025, Online
2. Ultrasound in DCIS, Mid-term BISICON 2025, 29-20 March 2025, Delhi
3. Workshop on Vacuum-assisted Breast Biopsy, Mid-term BISICON 2025, 29-20 March 2025, Delhi
4. Panel discussion on Management in Locally advanced Carcinoma Cervix, RGCON 2025, 22 March 2025, Delhi
5. MRI: Getting the indications right, AOCR 2025, 23-26 January 2025, Chennai
6. Panel discussion: Recent advances in neoadjuvant therapy in breast cancer, OFCON 2025, 18-19 January 2025, New Delhi

7. Workshop in Breast Interventions, ISVIR 2025, 6-9 February 2025, Kerala
8. Enhancing Cancer Diagnosis and Prognosis, Indo-French Workshop, 22-24 March 2025, Delhi
9. Radiological Updates, NCI Foundation Day, February 15-16 2025, Jhajjar
10. Panel Discussion "Benign lesions with upgrade potential", BISICON 2024, 15-17 November Rishikesh
11. Workshop: USG Breast Scanning Technique, Interesting Cases and USG Guided Interventions, BISICON 2024, 15-17 November Rishikesh
12. Case discussion panel- sarcoma imaging and management, ISMPO-CON 2024, 18-20 October 2024, Delhi
13. Carcinoma endometrium evaluation: New staging system, SOGII 2024, 18 August 2024, Sir Gangaram Hospital, Delhi

Mukesh Kumar

1. Talk on Image guided feeding gastrostomy, 10th annual conference of Chandigarh, Punjab and Himachal Pradesh State Branch, ISVIR, 30 March 2025, PGIMER Chandigarh
2. "PICC line workshop ", 10th Annual Conference of Chandigarh, Punjab and Himachal Pradesh State Branch, ISVIR, 29 March 2025, PGIMER Chandigarh
3. "Pain management", 25th Annual Conference of Indian Society of Vascular and Interventional Radiology, 7 February 2025, Kochi
4. MSK interventions, 25th Annual Conference of Indian Society of Vascular and Interventional Radiology, 6 February 2025, Kochi
5. Workshop on "POCUS", 32nd International Conference of Indian Association of Palliative Care (IAPCON 2025) by the J&K Chapter of Indian Association of Palliative Care in collaboration with AIIMS, Jammu, 30 January 2025, Jammu
6. Nerve blocks to mitigate pain in cancer, Spectrum India 2024 conference on behalf of the Society of Interventional Oncoradiology and Tata Memorial Centre, 10 November 2024, Mumbai
7. "Acute abdomen in Oncological patients", 11th Annual Conference of Society for Emergency Radiology, SERCON 2024, 4 August 2024, PGIMER Chandigarh

Krithika Rangarajan

1. Invite as a speaker "Transforming Healthcare with AI & Data Science", Workshop explores how AI and Data Science are transforming healthcare, 4 April 2025, Ashoka University, Sonepat Haryana
2. AI as a tool to increase accessibility to Healthcare, 2nd Special Course for diplomats from Democratic Republic of Congo, 25 March 2025, Sushma Swaraj Institute of Foreign Service Ministry of External Affairs, New Delhi
3. Invite as a deliver a session on "Collaboration between healthcare and AI Professionals-need for close collaboration to make magic happen", Expert Session in One Week FDp on AI, NLP, & Healthcare, 19 March 2025, Netaji Subhas University of Technology, New Delhi
4. Empowering Indian Youth for Global Leadership in science & Innovation for Viksit Bharat, National Science Day, 28 February 2025, THUSTI, New Delhi
5. Invitation as moderator on 'Leveraging Digital Health and Data Science Technologies for Universal Health Coverage in India', Stakeholder Meeting on "Technology for Healthcare: India's Mantra for Universal Health Coverage', 15 February 2025, Ashoka, Haryana
6. Workshop on AI and Public Health: Ethics, Policy and Scaling, Bill & Melinda Gates Foundation, 3 February 2025, Bill & Melinda Gates, GoA
7. Focal Point for CoE of AI in Health, AIIMS, Delhi, JWG Meeting between India and France, 28 January 2025, France, France
8. Invitation as Faculty, AOCR 2025 77th Annual conference, 25 January 2025, Chennai, Chennai
9. AI as a tool to increase accessibility to Healthcare', Special Combined Course for diplomats from Rwanda, Libya & South Sudan., 17 December 2024, Sushma Swaraj Institute of Foreign Service Ministry of External Affairs, New Delhi
10. Invitation as a speaker "Women working in digital health come together to discuss relevant innovations", Global women's health innovation conference & Award 2024, 11 December 2024, IIT Bombay, Bombay

11. Workshop, Koita Centre for Digital Health, 9 December 2024, IISC Bangalore, Bangalore
12. AI for breast imaging in india context: What does the future hold?, BISICON 2024, 11th Annual Conference, 15 November 2024, AIIMS Rishikesh, Rishikesh
13. SCOPE Conference, Center on Cyberlaw. Cybercrime & Cybersecurity 2024, 14 November 2024, New Delhi
15. FICCI's 18th, Annual Health conference india Habitat center, 05 November 2024, New Delhi
16. 10th Chapter of Google for India, Hall No.06 Pargatimaidan, New Delhi, 3 October 2024, New Delhi
17. 4th BRITT 2024, 23 March 2024, Tata Memorial Hospital, Parel Mumbai

2022–2023	2023–24	2024–25
33	23	34

Laboratory Oncology

Ritu Gupta: 10 **Sanjeev Kumar Gupta: 9** **Anita Chopra: 3**
Pranay Tanwar: 2 **Amar Ranjan: 2** **G. Smeeta: 3**
Gurvinder Kaur: 3 **Deepshi Thakral: 4** **Vivek Kumar Singh: 00**
NgangyolaTuikhar: 00 **Saroj Singh: 1**

Ritu Gupta

1. Fundamentals of MM MRD analysis by Flow Cytometry., Workshop on Measurable Residual Disease in Acute Leukemia & Myeloma, 17-18 January 2025, Christian Medical College (CMC), Vellore, Ranipet Campus, Chennai
2. Learning and insights from MM MRD practice survey in India., Workshop on Measurable Residual Disease in Acute Leukemia & Myeloma, 17-18 January 2025, Christian Medical College (CMC), Vellore, Ranipet Campus, Chennai
3. AI in Myeloma, Indian Myeloma Congress – 2025, 7th Annual conference of IMAGe, 10-11 January 2025, Tata Medical Center, Kolkata
4. Significance of Accreditation, Pathcon and Lab Expo 2024, 21 December 2024, Manekshaw Centre, Dhaula Kuan, New Delhi
5. Computational Oncology: Refining Risk Assessment, Prognostication & Deciphering Oncogenesis, Workshop on Computational Oncology: Integrating experiments and computational models, 16-18 December 2024, IIT – Varanasi
6. Approach to paraproteinemia and Updates in myeloma diagnosis = Mass FIX in LMIC., 65thAnnual Conference of the Indian Society of Haematology& Blood Transfusion (ISHBT) " Haematocon 2024, 7-10 November 2024, Hotel Centre Point, Nagpur
7. Cost Effective Equitable Cancer Therapy and Implementation Science, Scientific Meeting & Bilateral Discussions-US-India Cancer Moonshot Initiative, 5-6 August 2024, NII, New Delhi
8. Revolutionizing Cancer Paradigms-Integrating AI/DL to harness best of bio-markers, One-day Lead-Up event to US-India Cancer Moonshot initiative, 28 May 2024, NCI Jhajjar, Haryana
9. Monitoring disease response and outcomes in MM, 1st Annual Conference of Uttar Pradesh Hematology Group (UPHGCON-2024), 27 April 2024, Atal Bihari Vajpayee Scientific Convention Centre, Lucknow
10. Chronic Lymphoproliferative disorders & multiple myeloma, Diagnostic Week 2024, 2 April 2024, Virtual (Online)

Sanjeev Kumar Gupta

1. Myeloproliferative neoplasms, Diagnostic Week (MELAP)webinar series, 2 April 2024, New Delhi.(Virtual)
2. Changes in B-ALL MRD detection techniques in the era of immunotherapy, Recent Advances in Hematology (RAH) meeting, 6-7 April 2024, New Delhi.
3. Assay Validation, NABL Teaching Session, 15 April 2024, AIIMS, New Delhi.
4. Genetic subtypes in B-ALL, Medical Oncology Seminar Series, 5 August 2024, AIIMS, New Delhi.

5. Principles of FCM analysis in Acute Leukemia and Lineage assignment, 16th Annual TCS meeting 2024, ALL MRD Workshop, 17-20 October 2024, ACTREC, Mumbai, Maharashtra.
6. Genetic profiling in B-Cell Acute Lymphoblastic Leukemia (B-ALL): Laboratory Workup for personalized Therapy, Haematocon -2024 65th Annual Conference of Indian Society of Hematology & Blood Transfusion., 07-10 November 2024, Nagpur, Maharashtra.
7. Acute Lymphoblastic Leukemia: From Bench to Bedside, APCON-2024, 72nd Annual conference of Indian Association of Pathologists & Microbiologists, 11-15 December 2024., Cuttack, Odisha.
8. Risk- stratification of B-ALL, Hematology Foundation of Bihar webinar series, 16 January 2025., New Delhi. (Virtual)
9. Morphology is obsolete in genomic era for the diagnosis of AML/MDS, National Hematology Update, 31 January 2025, AIIMS, New Delhi.

Anita Chopra

1. Interesting cases of T-cell & NK-cell lymphomas, From Scattergram to Diagnosis, 11 January 2025, New Delhi
2. Interesting cases of ALL, Hematocon 2024, 10 November 2024, Nagpur
3. Role of MRD in myeloma monitoring- should we chase in all patients, Hematology update, 2024, 7 April 2024, New Delhi

Pranay Tanwar

1. Troubleshooting of HPV testing, iHPV PROJECT Capacity building Workshop, 25 October 2025, AIIMS, NEW DELHI
2. A talk on "Role of m-RNA testing for detection of HPV in cervical lesions", 13th National conference AOGIN INDIA 2024, 04-05 October 2024, JIPMER, PONDICHERRY

Amar Ranjan

1. The Scope of Medical Research In India, Guest lecture- TMU, Moradabad, 21 January 2025, UP
2. "ABC" in Hematology, Guest lecture- NMCH, Sasaram, 25 January 2025, Bihar

G Smeetha

1. Panel Discussion: Addressing Controversies and Areas of Uncertainty in MM MRD in India, Expert group meeting on MRD in Multiple Myeloma: Prevailing Practice and the Way Forward, 13 September 2024, New Delhi
2. Digital Health Innovations in Hematopathology, Digital Health Innovations: AI Applications in Cancer Pathology And Diagnosis, 1 May 2024, ICMR, New Delhi
3. Acute myeloid leukemia, DIAGNOSTIC WEEK Conference, organized by Medical Education & Learning Points (MELAP), 1-7 April 2024, Online

Gurvinder Kaur

1. Targeting Neoantigens in Chronic Lymphocytic Leukemia (CLL) for personalized T celltherapy, Molecular Analysis for Precision OncologyCongress (MAP) 2024ESMO, 16-18 October 2024, London, UK
2. RNASeq reveals dysregulatedtumor associated antigens in chronic lymphocytic leukemia (CLL)., 65th Annual Conference of the Indian Society of Haematology and Blood Transfusion Conference "Haematocon 2024", 7-10 November 2024, Nagpur
3. Faculty Plenary Discussion, Indian Society of Histocompatibility & Immunogenetics (ISHI) Training Course in Transplant Immunology, 1-2 December 2024, Delhi

Deepshi Thakral

1. Molecular Diagnostics in Hematological Malignancies, Medical Education and Learning Point (MELAP) Diagnostic week, 02 April 2024, AIIMS Online
2. Evaluation of an Integrated Approach of combining Genotype with Immunological Phenotypes for Risk-assessment in Acute myeloid leukemia, I-OSICON 2025 6th Annual Congress of Immuno Oncology Society of India Immuno Oncology- Choosing wisely and precisely, 31 January 2025, Bhubaneswar Odisha

3. Introduction to Sanger Sequencing, NPSICON-2025 7th National Conference of the Neuropathology Society of India, 20 February 2025, AIIMS, New Delhi
4. Prognostic Relevance of Immune Cell Exhaustion Markers in Acute myeloid leukemia:Potential for Targeted Immunotherapies, SACT 2025 Series on Advancements in Cell Therapy, An Asia-Pacific Cell Therapy Conference and Workshop, 7 March 2025, Navi Mumbai, Maharashtra

Vivek Kumar Singh

1. Nil

NgangyolaTuikhar,

1. Quality Control: ILC, EQAS, NABL Training, 09 September 2024, Dr. BRA-IRCH, AIIMS, New Delhi

Saroj Singh

1. Laboratory Safety for IRCH staff, NABH Training-, Dr. BRA-IRCH, AIIMS, New Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
29	28	37

Medical Oncology

Sameer Bakhshi: 52

Sameer Bakhshi (Professor and Head)

1. Speaker on the topic "Introduction to ALL therapy: the progress in last four decades in India", "ICMR-NHRP, entitled ISCALL: Improving survival in childhood Acute Lymphoblastic Leukemia in India: Icicle Implementation Study" SOP dissemination workshop organized by the Indian Council of Medical Research, Headquarter, 27-28 April 2024, AIIMS, New Delhi
2. Speaker on the topic "How treatment of ALL has changed and evolved over the last 4 decades in India"? PHO Gurukul on Pediatric B-Cell Acute Lymphoblastic Leukemia organized by Amrita Hospital, 28 April 2024, Amrita Hospital, Faridabad, Haryana
3. Speaker on the topic "Recruitment and Retention of Subjects in Clinical Trials", Patient Advocates for Clinical Research (PACER) India celebrated "International Clinical Trial Day" organized by CankidsKidscan, 18 May 2024., New Delhi
4. Panelist for the "Clinical Research and Patient Advocacy".
5. Moderator for the topic: Advanced and Metastatic Soft Tissue Sarcoma., Oncology Conundrums: Navigating Complex Clinical Scenario, 17-19 May 2024, New Delhi
6. Panelist for the "Expectations for transformation in clinical research (Phase I/Early Phase, Cell gene studies/ CAR-T)", "International Clinical Trials Day celebration (ICTD)" organized by Indian Society for Clinical Research (ISCR), 30 May 2024, New Delhi
7. Panelist for the session "Interaction on Late side effects & Importance of follow ups", National Cancer Survivors Day Celebration 2024 - Celebrating Life: Survive & Thrive" Survivors Forum organized by CankidsKidscan, 8 June 2024, New Delhi
8. Lecture on "How I Have Chosen my Research Topics and What has it Taught Me?", Invited lecture by School of Life Sciences, JNU, 8 July 2024, New Delhi
9. Speaker on "Extramedullary Myeloid Leukaemia.", "9th Midterm PHOCON 2024" organized by Pediatric Hematology Oncology Conference, 12-14 July 2024, National Cancer Institute, Nagpur
10. Speaker on "Ethics in Grant Writing, "Grant Writing" workshop by Clinical Research Unit (CRU), 30 July 2024, AIIMS, New Delhi
11. Panelist for the "Uncommon complications in Pediatric ALL: How best to fix when you can't prevent?", Pediatric ALL: Newer Advances organized by Department of Pediatric Hematology and Oncology, Rajiv Gandhi Cancer Institute and Research Center, 10 August 2024, New Delhi

12. Speaker on “Current Consensus & Challenges in the Management of Ewing Sarcoma.”, “Homi Bhabha Cancer Conclave 2024 Conference” organized by Homi Bhabha Cancer Institute and Research Centre, 24 August 2024, Chandigarh, Punjab
13. Chairperson for the session “Myeloma MRD: A Survey of Current Knowledge & Practices”., Expert Group Meeting on MRD in Multiple Myeloma Prevailing Practice & the Way Forward organized by AIIMS, 13 September 2024, AIIMS, New Delhi
14. Speaker on the topic “Responsible Authorship.”, Ethics in Publication and Responsible Authorship” workshop by Clinical Research Unit (CRU), 13 September 2024, AIIMS, New Delhi
15. Speaker on the topic “How to choose topics for clinical research in Oncology in Low Middle Income Countries.”, “3rd MPCCON - Annual Madhya Pradesh Cancer Conclave” organized by Cancer Research and Statistic Foundation, 15 September 2024, Indore, Madhya Pradesh
16. Panelist for “Soft Tissue Sarcoma and Orthopedic Oncology”, “Max Cancer Congress Conference 2024, ” organized by Manage Health Foundation, 22 September 2024, Mumbai
17. Speaker on “Immunotherapy in Pediatric Solid Tumors”, 6th Annual conference of Association of Pediatric Surgical Oncology (APSOCON 2024), ” organized by Department of Pediatric Surgical Super specialties, Sanjay Gandhi Postgraduate Institute of Medical Sciences, 29 September 2024, Lucknow, Uttar Pradesh
18. Panelist for “Navigating Life Beyond Cancer: Long-Term Care and Management for Pediatric Survivors”., Protocol Development for Investigator-Initiated Clinical Trials” workshop organized by Clinical Research Unit (CRU), 1 October 2024, AIIMS, New Delhi
19. Speaker for the Session: “Ethical considerations in Clinical Trial”, Protocol Development for Investigator-Initiated Clinical Trials” workshop organized by Clinical Research Unit (CRU), 1 October 2024, AIIMS, New Delhi
20. Oral presentation “Clinical Presentation and Survival Outcomes of Ewing Sarcoma of hand and feet: A retrospective institutional analysis of 28 cases.”, 56th Congress of the International Society of Paediatric Oncology (SIOP) and Pre-Meeting education, 20 October 2024, Hawaii, USA
21. Speaker on “Utility of Biomarkers in the treatment of Pediatric Malignancies: A perspective from India and LMICs”, “Precision Medicine in Pediatric Oncology and Hematology Existing and Emerging Biomarkers” organized by University of Geneva, 8 November 2024, Switzerland, Geneva
22. Speaker on topic “Ethics in Biomedical research, “Postgraduate Course in Research Methodology, Writing and Communication” organized by Clinical Research Unit (CRU), 14 November 2024, AIIMS, New Delhi
23. Moderator for the session “Sarcoma & Pediatric Oncology”, “Cancer Institute CME Orientation for Exam Going Postgraduates (COPE 2024) organized by Cancer Institute (WIA), 16 November 2024, Adyar, Chennai
24. Oration/ Lecture on the topic “How I have Chosen my Research Topics and What has it Taught Me?”, 27th Annual Conference of Pediatric Haematology Oncology (PHOCON-2024) oration organized by Pediatric Hematology Oncology Chapter of Indian Academy of Pediatrics, 23 November 2024, Jammu
25. Moderator for the session “Issue in Management of Relapsed/Refractory ALL”, “51st Indian Cooperative Oncology Network (ICON) Conference” organized by Indian Cooperative Oncology Network (ICON), 29 November 2024, Mumbai
26. Expert Panelist for “Hurdles from Bench to Bedside -Basic, Translational and Clinical Development of Cancer Drugs in India”, “Federation of Asian Biotech Associations (FABA) meeting” organized by Federation of Asian Biotech Associations, 30 November 2024, Hyderabad
27. Panelist for “Brainstorming on Ecosystem for Over-the-Counter (OTC) Drugs in India”, “Brainstorming on Ecosystem for Over-the-Counter (OTC) Drugs in India” organized by YKG Academy for contemporary issues in Health and Pharmaceutical Sciences (YKGCHAPS) under the aegis of Vaidyarx Private Ltd., 17 December 2024, New Delhi
28. Oration/Lecture on topic “How I have chosen my Research Topics and What have I Learnt from this?”, “8th Annual Year-End Review in Lung Cancer 2024 oration” organized by Cancer Research And Statistic Foundation, 21 December 2024, Mumbai
29. Panelist for the session “Hematology (CAR-T) cells and beyond Hematology 2024”, “Oncology Conundrums 2.0” “Surfing Through All the Major Advances of 2024” conference organized by Metro Heart Institute with Multispeciality Hospital, 22 December 2024, New Delhi
30. Panelist for the session “Pediatric Psycho-oncology – Current Status and Future of Research & Clinical Services”, “1st National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology (NCPO-

2025) workshop" organized by National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 3 January 2025, AIIMS, New Delhi

31. Panelist for session "Patient Advocacy: Raising the Patient Voice for Psychological, Emotional Support, and Mental Well-Being.", "Patient Advocacy Workshop" part of NCPO organized by CankidsKidscan, 3 January 2025, AIIMS, New Delhi
32. Speaker on the topic "Chemotherapy Protocols, Micronutrients and Potential Impact of Nutritionists on Cancer Outcomes; a viewpoint from an oncologist", "National Pediatric Nutrition Summit 2025" organized by the Cuddles Foundation, 8 January 2025, Mumbai
33. Moderator for the panel discussion "Unusual Infections in Hematology-Oncology Practice", "CANVERSARY-2025 : CME on Supportive Care in Oncology: Best Practices & Recent Advances" organized by Department of Medical Oncology, JIPMER, Puducherry & JIPMER Alumni Association of Medical Oncology (JAMMO), 24–26 January 2025, Chennai
34. Speaker for panel topic "Gender disparity in pediatric cancer in India: Analysis of population-based registry data", "Pediatric cancer registry and data meeting" organized by Cancer Institute (WIA), Indian Pediatric Hematology and Oncology Group (INPHOG) and the Indian Childhood Cancer Initiative (ICCI), 31 January 2025, Chennai
35. Panelist for "Establishment of Centre of Excellence for CAR T-Cell Research and GMP Manufacturing", "THSTI's Stakeholder Meeting on GMP CAR T Cell" organized by Translational Health Science and Technology Institute (THSTI), 3 February 2025, Faridabad, Haryana
36. Speaker on the topic "Role of Stem Cell Therapy and Immunotherapy in Pediatric Surgery", "17th Pediatric Surgery Update 2025" organized by Department of Pediatric Surgery, Maulana Azad Medical College, 9 February 2025, MAMC, New Delhi
37. Speaker on "Early diagnosis- prevention and modern therapy of cancer"., Subject expert for "Cancer" Webinar organized by National Health Authority, 10 February 2025, Webinar
38. Keynote Speaker on the topic "Oncology Research and Prioritizing Therapy in Patients with Resource Challenged Situations", "29th Annual National Conference of Association of Rural Surgeons of India (ARSI)"organized by January SwasthyaSahyog, Ganiyari, 13 February 2025, Bilaspur, Chhattisgarh
39. Panelist for "Challenges in management of cancers in remote & rural settings and ways to overcome them.", "Pediatric Cancer Survivorship" Symposium Organized by Department of Medical Oncology, Dr. Bhim Rao Ambedkar Institute Rotary Cancer Hospital (IRCH), 21 February 2025, AIIMS, New Delhi
40. Chairperson for Session "Brief Presentation from P2L-Cankids, C2S-InPHOG and Survivorship Task Force-ICCI", "Pediatric Cancer Survivorship" Symposium Organized by Department of Medical Oncology, Dr. Bhim Rao Ambedkar Institute Rotary Cancer Hospital (IRCH), 21 February 2025, AIIMS, New Delhi
41. Panelist for Session "Late Side effect adaption of Internation Guideline to Indian Settings", "Pediatric Cancer Survivorship" Symposium Organized by Department of Medical Oncology, Dr. Bhim Rao Ambedkar Institute Rotary Cancer Hospital (IRCH), 21 February 2025, AIIMS, New Delhi
42. Speaker on topic "Responsible Authorship., "Ethics in Publication and responsible Authorship" workshop by Clinical Research Unit (CRU), 24 February 2025, AIIMS, New Delhi
43. Chairperson for Session "Imaging in Breast"., "Year in Review: Updates in breast cancer" (Symposium) Scientific Programme organized by the Department of Surgical Disciplines, 1-2 March 2025, AIIMS, New Delhi
44. Chairperson for session on "HaematologicalMalignancie"., "Kumaon Cancer Conclave 2025 Conference" organized by Onco Imagine and Therapeutics India, 8 March 2025, Nainital, Uttrakhand
45. Presenter on the topic "Local successes and opportunities" & "coming up with good ideas"., "Acord one day concept development workshop" organized by Acord Australia & Asia Pacific Clinical Oncology Research Development, 13 March 2025, AIIMS, New Delhi
46. Moderator for "Targeted therapies in soft tissue sarcomas & role of immunotherapies"., "11th Annual Meeting of the Indian Musculo-Skeletal Oncology Society (IMSOS) 2025" organized by Indian Musculo-Skeletal Oncology Society (IMSOS), 13-16 March 2025, Goa
47. Speaker for the case presentation "Rare case with learning points-Weathered the storm, found the light"., "Advance in Integrative Medicine 2025" Ancient Inspiration, Morern Evidence Conference organized by Center for Integrative Medicine and Research, 17 March 2025, AIIMS, New Delhi

48. Panelist for the topic "Access to equitable and comprehensive treatment and care-call to action", "Advance in Integrative Medicine 2025" Ancient Inspiration, Morern Evidence Conference organized by Center for Integrative Medicine and Research, 17 March 2025, AIIMS, New Delhi
49. Speaker on the topic "Ethics in Research., "Advance in Integrative Medicine 2025" Ancient Inspiration, Morern Evidence Conference organized by Center for Integrative Medicine and Research, 17 March 2025, AIIMS, New Delhi
50. Speaker on "Chemotherapy in chest wall tumors., Contemporary Practices in Surgery "Symposium on Chest Wall Disease-2025" organized by Department of Surgical Disciplines, 21-23 March 2025, AIIMS, New Delhi
51. Panelist for "Managing Chest Wall Tumors", "Onco Pulse 2025" Conference organized by Onco-Pulse, 29-30 March 2025, New Delhi
52. Moderator for the "Panel Discussion on Relapsed ALL", "Onco Pulse 2025" Conference organized by Onco-Pulse, 29-30 March 2025, New Delhi

Total Number of Lectures Delivered

2022–2023	2023–2024	2024–2025
22	17	24

Sameer Rastogi: 10 Raja Pramanik: 21 Atul Batra: 3

Sameer Rastogi (Additional Professor)

1. Systemic Chemotherapy in STS, Sarcoma Symposium 2024, 29 June 2024, Hyderabad
2. Management of Fibromatosis – shift from surgery to multidisciplinary, Sarcoma Symposium 2024, 29 June 2024, Hyderabad
3. STS-Case base panel discussion, Sarcoma Symposium 2024, 29 June 2024, Hyderabad
4. Genomics in Sarcoma Diagnostics, Indian Precision Oncology Gurukul 2024 (IPOG 2024), 05 October 2024, Faridabad
5. Soft tissue sarcoma latest updates, ISMPOCON, Indian Habitat Center, 18 October 2024, New Delhi
6. Precision Oncology in Bone & Soft tissue tumors, Molecular CME: Fest – Omics Precision Through Omics, 01 March 2025, New Delhi
7. Systemic Management of sarcoma relapses, 11th Annual Conference of Indian Musculoskeletal (IMSOS), 13 March 2025, Goa
8. Immunotherapy in Melanoma of care, 11th Annual Conference of Indian Musculoskeletal (IMSOS), 13 March 2025, Goa
9. Pragmatic management of fibromatosis, 11th Annual Conference of Indian Musculoskeletal (IMSOS), 13 March 2025, Goa
10. Panel – STS, 11th Annual Conference of Indian Musculoskeletal (IMSOS), 14 March 2025, Goa

Raja Pramanik (Additional Professor)

1. 18-21 April 2024, 12th International Clinical Cancer Genetics and Genomics Conference, Moderator for the Sessions: Updates from the Global community of Practice, University of Chicago & City of Hope, Chicago, USA
2. 27-28 April 2024, Oncology Updates 2024, Workshop on cancer genetics: Speaker and Moderator panel discussion on HBOC, Cancer Research and Statistics Foundation, New Delhi
3. 3 August 2024, "Myeloma Matters : An International Symposium on Multiple myeloma", Speaker: Minimal Residual Disease (MRD) in Multiple Myeloma: Current Strategies and Implications for Clinical Practice, Department of Medical Oncology, Kidwai Memorial Institute of Oncology, Bengaluru, Bengaluru
4. 9 August 2024, Familial Cancers: Target them right., Speaker: HBOC: whom to screen?, Breast& Cervical cancer awarenes& prevention committee of AOGD and National association of Mentors for Adolescent Health (NAMAH), Delhi (Zoom)
5. 28 August 2024, Webinar of the Association of Gynecology Oncologists of India (AGOI), Talk on " Biomarker testing in Gynecological Cancers", Association of Gynecology Oncologists of India (AGOI), Delhi (Zoom)

6. 14-15 September 2024, 3rd MPCCON - Annual Madhya Pradesh Cancer Conclave, Moderated a panel discussion: Treatment of Carcinoma Endometrium: Case-based discussion, Cancer Research and Statistics Foundation, Indore (Madhya Pradesh)
7. 24 September 2024, 9th Advanced Cancer Screening Training Program for Dentists (ACSTP-O9), Speaker : Oral cancers, Team NICPR-ECHO ICMR- National Institute of Cancer Prevention And Research, Noida, Delhi (Zoom)
8. 18 October 2024, Nursing Workshop on "Breast Cancer Awareness", Speaker: Hereditary Breast Cancers, ONAI(Oncology Nurses association of India)-AIIMS, AIIMS, New Delhi
9. 20 October 2024, ISMPO-CON 2024 Gynecological Cancers Track 2, Speaker: Managing low versus high grade uterine sarcomas, Indian Societyof Medical and Pediatric Oncology, New Delhi
10. 8-10 November 2024, Biostatisctics in Oncology (BiO Workshop), Organizing Committee member Moderator, NCI-AIIMS, Jhajjar, Jhajjar, Haryana
11. 16-17 November 2024, Bihar Cancer Conclave, Speaker: Role of PARP inhibitors in maintenance therapy for ovarian cancers, Aanand Care Foundation, Patna, Bihar
12. 22 November 2024, Best of ESMO 2024 & Uro - Oncology Updates, Quiz master: Inter-Institution Quiz competition, RESMO, Medical oncology, AIIMS, New Delhi
13. 29 November-1 December Asian Society of Gynecological Oncology (ASGO) Meeting, 2024., Speaker: Novel Systemic Agents in Gynecologic Cancer - Access to Newer Drugs for Gynecologic Cancer Patients in Asia: Current Status and Strategies for Improvement, Indonesia Society of Gynecologic Oncology (INASGO), Bali, Indonesia
14. 29 November-1 December Asian Society of Gynecological Oncology (ASGO) Meeting, 2024., Member of the International Scientific Committee., Indonesia Society of Gynecologic Oncology (INASGO), Bali, Indonesia
15. 3-5 January 2025, 1 National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, Speaker: Psychological Aspects of Cancer & Genetic Counselling, Department of Psychiatry, AIIMS, Delhi, AIIMS, New Delhi
16. 1-2 February 2025, Cancer Connect 2025, Speaker: Genomics of ovarian cancers: Indian scenario, Sir GangaRam Hospital, New Delhi
17. 15 February 2025, AOC (AIIMS Oncology Conclave)-2025, Interactive discussions for collaborative research: Familial & Hereditary Breast Cancer Research Network in India., NCI-AIIMS, Jhajjar, Jhajjar, Haryana
18. 22-23 February 2025, 7th Indian Cancer Genetics Conference & Workshop (ICGCW 2025), Panelist for the session "PARPi in nonBRCA HRR pathway mutated cancers (Ovary, Breast, Prostate & Pancreas)", Tata Memorial Hospital and ACTREC, Mumbai
19. 8 March 2025, Kumaon Cancer Conclave, Speaker: Precision management of endometrial Cancers, OncoImaging and Therapeutics, India, Ramnagar, Uttarakhand
20. 23 March 2025, RGCON 2025, Speaker: Biomarkers for Ovarian Cancers, Rajiv Gandhi Cancer Institute and Research Centre, New Delhi
21. 29 March 2025, Integrating Genetics in Women's Cancer Care, Speaker: Unselected Genetic Testing in Gynecological Cancers: Implementation and Impact, FOGSI Gynecological Oncology committee, New Delhi

Atul Batra (Additional Professor)

1. HER-2/Neu Positive Metastatic Breast Cancer, Oncology Updates 2024, 28 April 2024, Mahipalpur, Delhi
2. Early Detection and Treatment of Inter-Costobrachial Neuralgia After Breast Cancer Surgery: A Multicenter Randomized Controlled Clinical Trial. – What do we learn? Best of MASCC 2024, 02 February 2025, Mumbai
3. 2025 publications/abstracts in TNBC: Translating Key Research Findings into Practice, 10th Year In Review Breast Cancer Conference, 26 January 2025, Mumbai

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
2	3	3

Chandra Prakash Prasad: 9

Chandra Prakash Prasad (Additional Professor)

1. The potential of Lactate metabolism targeting in Triple Negative Breast Cancer (TNBC) treatment, Indian Academy of Biological Sciences (IABS)-North Zone-2024, 6 August 2024, New Delhi
2. Exploring new theranostic targets for Triple Negative Breast Cancer (TNBC), Gallbladder Cancer (GBC), and Oral Cancer (OC), AIIMS-CCMB Open House, 16 August 2024, New Delhi
3. Exploring the impact of PM2.5 on cancer development & progression: Investigating risks and preventive measures (in vitro), AIIMS-LKMC-NTU Medicine Joint Online Climate & Health Workshop, 09 September 2024, New Delhi
4. Targeting aerobic glycolysis through Wnt/beta-catenin signaling in TNBC, Targeting aerobic glycolysis through Wnt/beta-catenin signaling in TNBC, 20 September 2024, Bishkek/Kyrgyzstan
5. Aerobic glycolysis in TNBC: The role of beta-catenin-PFKP-LDHA-MCT1 axis as theranostic target, International Symposium on Cancer metabolism and Drug discovery: Role of AI & ML, 07 October 2024, Noida
6. Targeting Aerobic glycolysis in TNBC, 1st J&K International conference on Breast Cancer by Department of Bioresources at University of Kashmir, 22 October 2024, Srinagar
7. Elucidation Of Novel Beta-Catenin-Driven Aerobic Glycolysis Pathway In Triple Negative Breast Cancers, 71st National Conference of Anatomical Society of India, 22 November 2024, Amritsar
8. Extracellular lactate in TNBCs: Promising Avenue for therapeutic intervention, International conference on cutting-edge science for sustainable development (ICCSSD-2024), 20 December 2024, Noida
9. The potential of Lactate metabolism targeting in Triple Negative Breast Cancer (TNBC) treatment, 4th World Congress on Translational Cancer Research and Immunotherapy [WCTCRI] -2025, 10 February 2025, Jaipur

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
4	6	9

Thoudam Debraj Singh: 5

Thoudam Debraj Singh (Additional Professor)

1. Combination therapy of DN200434 (ERRγ inverse agonist) and MK2206 (Akt- inhibitor) (ovarian cancer and colorectal cancer)., Invited speaker at Kyungpook National University Hospital, Cancer Centre, 18 June 2024, Chilgok, South Korea
2. Estrogen related receptor Gamma (ERRγ) as a potential biomarker and therapeutic target for various cancer, Invited speaker at DGMIF, Daegu, South Korea, 19 June 2024, Daegu, South Korea
3. Novel biomarkers and drug discoveries for cancer and other Metabolic diseases. (A Collaborative Research output between India and Korea), Invited speaker at Kyungpook National University Hospital, Chilgok, Cancer Centre, 24 September 2024, Daegu, South Korea
4. Nuclear receptor targeted cancer therapy, Lecture series at AIIMS, New Delhi, 18 November 2024, New Delhi, India
5. New avenues for novel biomarkers and drug discoveries for cancer and other Metabolic diseases. (A Collaborative Research output between India and Korea), Invited speaker at Embassy of Republic of Korea, New Delhi, 10 December 2024, New Delhi, India

Name of faculty	2022–2023	2023–2024	2024–2025
Dr. Thoudam Debraj Singh	04	07	05

Mayank Singh: 7 **Aparna Sharma: 7**

Mayank Singh (Additional Professor)

1. Cancer risk factor and preventive strategies, World cancer Day, 4 February 2025, Amity University Rajasthan

2. CART and Adaptive cellular therapies Reimagining immunotherapy to combat Cancer, International Symposium on "Cancer Metabolism and Drug Discovery: The Role of AI and ML, 7 October 2024, Amity University Noida
3. Development of cell-free DNA (cf DNA) based liquid biopsy assay for prognosis of Cervical Cancer, 12th General Assembly of the Asia-Pacific Organization for Cancer Prevention, 19-21 September 2024, Bishkek Krzystan
4. Development and validation of Novel Anti-BCMA (B Cell Maturation Antigen) Antibody as a Live Cell Therapy Candidate in Multiple Myeloma", Precision Medicine and Future of Genomics (PMFG) 2024, 3-5 December 2024, Sidra Medicine at Sidra Medicine Doha Qatar
5. Development of adaptive cellular therapy Candidate in Multiple Myeloma (MM)", World congress on Translational Cancer Research and Immunotherapy (WCTCRI-2025), 10-12 February 2025, MGUMST, Jaipur.
6. Development Of Novel Anti-BCMA Antibody as a Adoptive Cellular Therapy Candidate in Multiple Myeloma, INTERONC 2025, 28-29 March 2025, South Asian University, New Delhi
7. Prognostic relevance of Liquid biopsy-based detection of HPV (Human Papilloma virus) cell free (cf) DNA in Cervical Cancer, South Zone Conference of Association of Clinical Biochemists of India (SZ-ACBICON)-2025, 24-25 January 2025, Department of Biochemistry, JIPMER, Puducherry

Aparna Sharma (Assistant Professor)

1. Antibody Drug Conjugates Topic; "Toxicities of Interest" Speaker, World Congress of Lung Cancer, 10 September 2024, San Diego USA
2. Genomics for Oncologists Workshop: Speaker, World Congress of Lung Cancer, 8 September 2024, San Diego USA
3. 'Lung cancer: prevention, early detection, treatment modalities, challenges and future scopes of collaborative research' Talk, Workshop for PhD students and Faculty members at CIO (Centre for Integrative Oncology), 1 August 2024, All India Institute of Ayurveda (AIIA), New Delhi, AIIA
4. Role of Tumor Board and Multi disciplinary Team In management of Advanced/ Metastatic NSCLC: Panel Discussion : Panel Moderator, NALCCON 2024, 5 October 2024, AIIMS Rishikesh
5. Mediastinal GCT: A Houdini's act Speaker, AIIMS Uro- Oncology Updates, 24 November 2024, AIIMS, New Delhi
6. "Surgical aspects in advanced RCC - CRN, Oligometastatic RCC: Evolving practice" Panelist, AIIMS Uro-Oncology Updates, 24 November 2024, AIIMS, New Delhi
7. Decoding NGS: From therapeutic to Reporting: Panelist, Oncology Updates 2024, 27 April 2024, RGCI Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
–	4	5

Sampa Ghose (Scientist II)

1. S. Ghose*, S. M. Ghufran, S. Biswas, Stimulation of HBX expressing human hepatocytes with endothelial cells: The transcriptome analysis, Talk, 5th ISO-MVR CANCON, 28 August-2 September 2024, MVR Cancer Centre & research Institute campus, Kozhikode, Kerala, India
2. S. Ghose*, S Roy, V. Ghosh, S K. Sharawat, R. Pramanik, S. Biswas, A. Biswas, Cell–free Epstein-Barr virus DNA (EBV) along with interleukin-6 and vascular endothelial growth factor can be useful predictive biomarker for nasopharyngeal cancer, Poster presentation, 17th Annual Meeting of the Korean Society of Medical Oncology & International Conference 2024, 26-27 September 2024, COEX in Seoul, Seoul, South Korea
3. S.Ghose*, S. M. Ghufran, S. Biswas, Interaction of HBX expressing human hepatocytes with endothelial cells: The transcriptome analysis, Invited lecture, International Conference on Sustainable Health: Translational research, 28 February-1 March 2025, Vidyasagar University in West Midnapur, West Bengal, India

Medical Physics

Lectures delivered at CMEs, National and International Conferences

Pratik Kumar: 3 **Raj Kishor Bisht: 2**

Pratik Kumar

1. Diagnostic Radiology as an important tool in cancer care: Implementation and radiation safety, XXIX Annual Conference of Association of Medical Physicists of India – Northern Chapter, 13-14 April 2024, Hotel Crowne Plaza, Rohini, Delhi
2. Importance and Impact of the Diagnostic Radiology QA Agencies' in the Health Sector, NABL-AERB Conference for Diagnostic Radiology QA Testing Agencies, 17 May 2024, Gokulam Grand Hotel, Bengaluru.
3. Landscape of quality assurance tests in radiology: AIIMS experience and Indian scenario, Annual Conference of Association of Medical Physicists of India, AMPICON2024, 8-10 November 2024, Sevalal Banjara Bhawan Hyderabad.

Raj Kishor Bisht

1. Importance of supplementary quality control assessment of conventional radio-diagnostic machine, 24th Asia-Oceania Congress of Medical Physics, 10-13 October 2024, The Wembley – A St Giles Hotel, Penanag, Malaysia
2. Predictability of image quality associated reference doses for the patient dose optimisation in computed tomography: A review, Annual Conference of Association of Medical Physicists of India, AMPICON2024, 8-10 November 2024., Sevalal Banjara Bhawan, Hyderabad

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
5	8	3
	1	2

Onco-Anaesthesia & Palliative Medicine

Seema Mishra: 13 **Rakesh Garg: 12** **Nishkarsh Gupta: 6**
Sachidanand Jee Bharati: 10 **Brajesh Kumar Ratre: 7**
Total number of lectures delivered: 48

Seema Mishra

1. Moderator (Panel Discussion) Topic: Multidisciplinary approach for management ofnutritional deficiencies in cancer patients., 3rd CME of Delhi State Chapter of IAPC (Nutrition in Cancer: "Best defense against cancer's evil offense"), 2 March 2024 (Sat), AIIMS NEW DELHI
2. Moderator (Panel Discussion) Topic: Comprehensive Care of geriatric patients with multiple comorbidities: A Multidisplinaryapproach., 4th CME of Delhi State Chapter of IAPC Geriatric Palliative Care: "Guiding light through life's transitions." 27 April 2024, AIIMS NEW DELHI
3. Palliative Care: The need of Hour, IAPC Holistic Approach in Cancer Pain Management, 28-29 April 2024, AIIMS NEW DELHI
4. Communication with Patient & Family in Last Hours., IAPC Holistic Approach in Cancer Pain Management, 28-29 April 2024, AIIMS NEW DELHI
5. Moderator: (Panel Discussion) Topic: Multidisciplinary approach to management of last hours and days., 5th CME of Delhi State Chapter of IAPC Finding light in the shadows: End of Life Care in Last Days and Hours., 6 July 2024, AIIMS NEW DELHI
6. Cancer pain Management, 6th CME of Delhi State Chapter of Indian Association of Palliative Care and Workshop. "National Oncology Nursing Update on cancer Prevention and palliation"., 18 August 2024, AIIMS NEW DELHI
7. Moderator: (Panel Discussion) Topic: Perinatal Palliative Care: Are we ready?", 7th CME of Delhi State Chapter, of IAPC 2024 Paediatric Palliative Care, 26 September 2024, Sir Gangaram Hospital New Delhi
8. Basics of Neuro-palliative Care, 8th CME of Delhi State Chapter of IAPC Neuro-Palliative Care, IAPC Training course in July 2024-January 2025., 15 October 2024, AIIMS NEW DELHI
9. Moderator: (Panel Discussion) Topic: Palliative Medicine in the Era of Immune Checkpoint Inhibitors and Precision Medicine., ISMPO-CON 2024, 18-20 October 2024, Palliative Medicine Track, Hall-Jacaranda
10. Cancer Related Psycho-social challenges:, NPCO, 5 January 2025, AIIMS NEW DELHI

11. Pocus in Palliative Care-An Overview, 32nd International Conference of Indian Association of Palliative Care (IAPCON) (Workshop)., 30 January 2025, JAMMU AIIMS
12. Oncological emergency in Palliative Care., 22nd Annual Palliative Care CME and CNE of CanSupport and AIIMS, 5 March 2025, AIIMS NEW DELHI
13. Moderator, 10th CME, 28 March 2025, Safdarjang Hospital New Delhi

Rakesh Garg

1. Moderator: IJA Panel- Research and Publications: Open House Discussion, 71st Annual Conference of Indian Society of Anaesthesiologists, 20-24 November 2024, Patna
2. Moderator (Panel Discussion): Looking beyond RIOT- quality of life of patients going through ERAS, 6th Annual Conference of Society of Onco-Anesthesia and Perioperative Care, 2-4 August 2024, Bengaluru
3. Artificial Intelligence in Major HPB and GI Surgeries: Role in optimization and improving outcomes, TMC 2nd Biennial National Conference on Hepato-Pancreato-Biliary and Gastrointestinal Anaesthesia and Perioperative Care, 27-28 April 2024, Mumbai
4. Moderator (Panel Discussion): HPB and GI Surgical case scenerio: Controversies from Assessment for surgery to End of Life Care, TMC 2nd Biennial National Conference on Hepato-Pancreato-Biliary and Gastrointestinal Anaesthesia and Perioperative Care, 27-28 April 2024, Mumbai
5. Scientific publications: Tips and Tricks, 32nd Annual National and 3rd International Conference of Research Society of Anaesthesiology Clinical Pharmacology, 19-21 April 2024, Jodhpur, Rajasthan
6. Sample size calculation and test of signification, 32nd Annual National and 3rd International Conference of Research Society of Anaesthesiology Clinical Pharmacology, 19-21 April 2024, Jodhpur, Rajasthan
7. Five best publications in airway journal, 15th National Airway Conference NAC 2024, 20-22 September 2024, Mangalagiri, Andhra Pradesh
8. Moderator (Panel Discussion): Case based approach (anticipated difficult airway), 15th National Airway Conference NAC 2024, 20-22 September 2024, Mangalagiri, Andhra Pradesh
9. SADS Trouble Shooting (Second Generation and Intubating), 15th National Airway Conference NAC 2024, 20-22 September 2024, Mangalagiri, Andhra Pradesh
10. Moderator-Review of evidence on the role of palliative care in the setting of cardiac transplantation, Academy of Palliative Medicine online lecture series 3, 27 January 2025, Online
11. Capacity Building workshop in Palliative Care, AIIMS-ICMR Capacity building workshop, 20-21 July 2024, NCI, Jhajjar
12. GI Symptoms: Nausea and Vomiting, IAPC's CCEPC Program, Program, 7 July 2024, Online

Nishkarsh Gupta

1. Common G.I. symptoms, CanSupport, 06 March 2025, Delhi
2. Panel discussion on gender diversity in Anesthesia, RSACPCON 2023, 30-31 March 2025, Bhatinda
3. Airway workshop and difficult case discussion, Airway workshop, Srilankan College of Anesthesiologists, 27-28 February 2025, Kandy, Sri Lanka
4. Low flowanaesthesia, ISACON 2024, 25-27 November 2024, Patna
5. Carcinoid syndrome – Management of hemodynamic instability, SOAPCON 2024, August 2024, Bangalore
6. ERAS in Onco-Anaesthesia-Moderator, ICACON 2024, 14-15 September 2025, Lucknow

Sachidanand Jee Bharati

1. Physiology of One lung Ventilation, SOAPC, Online
2. Retrograde Intubation, AIIMS Cadaveric Airway Workshop, 1 September 2024, AIIMS, New Delhi
3. Perinatal Palliative Care, Delhi IAPC, 26 September 2024, SGRH, New Delhi
4. OMICS in Palliative Care, ISMPO, 18 October 2024, IHC, New Delhi
5. Neuropalliative Care, Delhi IAPC, 19 October 2024, AIIMS, New Delhi

6. Thracic POCUS, IAPCON 2025, 30 January 2025, Jammu
7. United by Unique in Palliative Care, ISSP, 1 March 2025, GIMS, Greater Noida
8. Symptom management in Head & Neck Cancer, CanSupport, 6 March 2025, AIIMS, New Delhi
9. Communication & SPIKE Protocol in Neuropalliative Care, Delhi IAPC, 23 March 2025, SGRH, New Delhi
10. Malignant Effusion & Malignant Ascites, Delhi IAPC, 29 March 2025, VMMC & SJH, New Delhi

Brajesh Kumar Ratre

1. S.I. Joint and Pyriformis intervention, ICITAAC & CZISACON 2024, 25-27 October 2024, Orchha (M.P.)
2. Early Management of trauma patients: From stabilization to triage and damage control resuscitation, ICITAAC & CZISACON 2024, 25-27 October 2024, Orchha (M.P.)
3. Procurement of Opioids/ ENDs, AIIMS-ICMR Capacity building workshop, 20-21 July 2024, NCI, Jhajjar
4. Panelist: Fibromyalgia, Delhi Pain Summit, 15 October 2024, New Delhi
5. Role of Airway ultrasound, HP- State Anaesthesia Conference 2025, 30-31 March 2025, Nahan, H.P.
6. Procurement of Opioids and implementation in Hospitals, ICMR-AIIMS capacity building in palliative care workshop, 28-30 November 2024, Chandigarh
7. End of Life care and ethics in palliative care, Palliative care training workshop, 3-4 November 2024, Panchkula

Total number of Lectures Delivered

2022–2023	2023–24	2024–25
50	30	48

Preventive Oncology

Pallavi Shukla: 9 **Sujata Pathak: 7**

Pallavi Shukla

1. Research agenda in prevention and control of NCD's at National workshop on Non-communicable diseases, National workshop on Non-communicable diseases, 08 January 2025, Hyderabad, India
2. Screening of Cervical Cancer, Workshop On Preventive Oncology, 13 February 2025, Gorakhpur, UP (ONLINE)
3. Optimising cancer screening uptake, Round Table Meeting on Cervical Cancer Screening and Management, 04 February 2025, Delhi
4. Population based cervical cancer screening, Strengthening primary care in prevention of cervical cancer, 23 January 2025, Delhi
5. public health approaches to non communicable diseases, 9th edition of the international course on public health approaches to non communicable diseases, 01 March 2025, Delhi
6. Screening for breast and cervical cancer, Training for medical officers of South East Delhi district, 04 March 2025, Delhi
7. Screening for breast and cervical cancer, Training for medical officers of South Delhi district, 07 February 2025, Delhi
8. Early detection and prevention of Oral cancer, Workshop on Strengthening early detection and prevention of Oral cancer, 16 January 2025, Delhi
9. Screening of Breast Cancer, SSMI, Punjabi Bagh, 21 October 2024, Delhi

Sujata Pathak

1. Detection of circulating tumor DNA (ctDNA) from high-risk types of human papillomavirus (HPV) before and after chemoradiotherapy in women with cervical cancer., AOGIN 2024, 12 July 2024, Seoul, Korea
2 Cervical Cancer: A preventive threat and need for action, Strengthening primary care in prevention of cervical cancer, 23 January 2025, Delhi

3. Overview of Cervical Cancer, Workshop On Preventive Oncology, 13 February 2025, Gorakhpur, UP (ONLINE)
4. Proactive steps for cancer prevention, Yoga Education and Spirituality (YES) Talks, 11 May 2024, Delhi (online)
5. Cervical cancer prevention: An overview, Nursing personnel, 07 January 2025, Delhi
6. Protecting Our Children: The Importance of HPV vaccination, KV, INA, 16 December 2024, Delhi
7. Protecting Our Children: The Importance of HPV vaccination, KV, Lodhi Road, 17 December 2024, Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
10	17	42

Radiation Oncology

Suman Bhasker: 4 **Subhash Gupta: 9** **Haresh KP: 9**
Ahitagni Biswas: 2 **V. Subramani: 5** **Gopishankar N: 6**
Surendra Kumar Saini: 5 **Anjali VR: 2** **Abhishek Shankar: 19**

Suman Bhasker

1. Chairperson, ISNOCON 2024, 5-7 April 2024, Mohali, Punjab
2. Chairperson, First Annual conference of the GI Oncology Society, 8-10 November 2024, Chandigarh
3. Chairperson, Evidence based palliative care – Lets simplify the Pyramid, 30 January-2 February 2025, Jammu
4. Chairperson, AROI WB Conference, 15-16 February 2025, Kolkata

Subhash Gupta

1. Session- 'Debatable issues in management of Glioma'-chair, ISNOCON 2024, 5-7 April 2024, Chandigarh
2. Panelist for 'Multidisciplinary approach for recurrent low grade glioma', MSAROICON- 2024, 17-18 August 2024, Aurangabad
3. Session 'Lower Gastrointestinal Cancer Updates'-chair, 3rd Highlights from ESMO 2024, 06 October 2024, Delhi
4. Session'Spatially fractionated Radiotherapy in the Era of Immunotherapy'-chair, Cancer Updates-3, 16-17 November 2024, Bhubaneshwar
5. Session 'Early Breast Cancer (Fast Forward)'--chair, Cancer Updates-3, 16-17 November 2024, Bhubaneshwar
6. Panelist 'Metastatic Breast Cancer', Oncology Corrundums-2.0, 22 December 2024, Delhi
7. Cancer survivorship symposium-chair, Cancer survivorship symposium, 04 February 2025, Delhi
8. GI Cancer -chair, WB-AROICON, 16 February 2025, Kolkatta
9. Radiotherapy in breast cancer-Chair, Year in Review: Updates in breast cancer, 02 March 2025, Delhi

Haresh KP

1. Session- 'Recent Updates in Phakomatosis (Part-II)'-chair, ISNOCON 2024, 5-7 April 2024, Chandigarh
2. Panelist-Management of cN1 Bladder cancer', SOGOCON 2024, 9-11 August 2024, Kolkatta
3. Lecture-'Equipment and set up in prostate Brachytherapy', IBSCON 2024, 30 August 2024, Delhi
4. Panelist for 'Triple Negative Breast Cancer', ENDOSURG 2024 & 17th National Conference of SELSI "SELSICON-2024", 17 October 2024, Delhi
5. Session'Spatially fractionated Radiotherapy in the Era of Immunotherapy'-chair, Cancer Updates-3, 16-17 November 2024, Bhubaneshwar
6. Session 'Early Breast Cancer (Fast Forward)'-chair, Cancer Updates-3, 16-17 November 2024, Bhubaneshwar
7. Panelist 'genetic testing + surgical management', Year in Review: Updates in breast cancer, 01 March 2025, Delhi

8. Panelist ‘management of axilla’, Year in Review: Updates in breast cancer, 02 March 2025., Delhi
9. Adjuvant therapy in chest wall tumors’-chair, Symposium on Chest Wall Surgery- 2025’, 21-23 March 2025, Delhi

Ahitagni Biswas

1. Panel Discussion: Carcinoma Oropharynx(panellist), Transoral Endoscopic and Thyroid Course (TOET International 2024), 6 April 2024, New Delhi
2. Case presentation & discussion: oral cancer (panellist), AIIMS-Liverpool Head & Neck first combined tumour board, 12 February 2025, Online

V. Subramani

1. “Roles of Radiation Oncology Medical Physicists in India”, 29th Annual Conference of the Association of Medical Physicists of India - Northern Chapter (AMPI-NC CON), 13-14 April 2024, Delhi
2. “Spatially Fractionated Radiotherapy: From Intensity modulation to Immuno Modulation”, 45th Annual Conference of Association of Medical Physicists of India (AMPICON2024), 8-10 November 2024, Hyderabad, Telengana.
3. “Spatially Fractionated Radiotherapy in the Era of Immunotherapy”, 3rd Cancer Update, 15-16 November 2024, Bhubaneshwar
4. Panelist in Lung Cancer session, 44th Annual Conference of Association of Radiation Oncologists of India (AROICON 2024), 28 November-01 December 2024, Mangalore, Karnataka
5. “Medical Physics-Is a Career to Choose?”, 24th Annual Conference of the Association of Medical Physicists of India – Tamilnadu-Puducherry Chapter (TN-PY AMPICON2024), 15 March 2025, Coimbatore, Tamilnadu

Gopishankar N

1. Sage of a bloodless war against complex brain lesions (Delivered Talk), Clinical Grand Round (Neurosurgery) held at AIIMS, New Delhi, 15 October 2024, New Delhi
2. Chairperson in Scientific Session title “AI and Small field dosimetry”, 45th National Annual Conference Association of Medical Physicists of India (AMPI), 8-10 November 2024, Hyderabad, Telangana
3. Gamma Knife in Functional Radiosurgery (Invited Talk), Cancer Updates-3, AIIMS Bhubaneswar, 16-17 November 2024, Bhubaneshwar, Orissa.
4. Panelist in the Physics Session in the title “Adaptive Radiotherapy & Automated Treatment Planning”, 44th Annual Conference of Association of Radiation Oncologists of India, 28 November-1 December 2024, Mangalore, Karnataka
5. Presentation in the session “Technology Showcasing and Medhackathon” in innovative devices category, 4th Annual AIIMS Research Day, 30 January 2025, New Delhi
6. Taming the Giants with Radiosurgery – The Mask Man (Delivered Talk), Clinical Grand Round (Neurosurgery) held at AIIMS, New Delhi, 4 March 2025, New Delhi

Surendra Kumar Saini

1. Trainee/Delegate, ICMR-DHR Sponsored Workshop on “Whole Exome Sequencing in Clinical Settings: Hands-on Workshop”, 24-27 September 2024, Noida
2. Panel Discussion on Management of Locally Advanced Breast Cancer”, Workshop on “Breast Cancer Awareness”, 18 October 2024, New Delhi
3. Bone marrow sparing extended field radiation therapy in stage IIIC2 carcinoma cervix Bone, NAMSCON-2024, 21-24 November 2024, Jodhpur
4. Co-Organizing Secretary and Faculty (Multiple Talks), AIIMS-NCI Brachytherapy Course, 2024 (ABC-2024), 09-13 December 2024, NCI, Jhajjar
5. Co-Organizing Secretary and Faculty (Psychosocial Challenges in Gynecological Cancer Care), National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology, 03-05 January 2025, New Delhi

Anjali VR

1. Multidisciplinary approach in management of chronic neurological disorders. (Panelist), 8th CME of Delhi State Chapter of IAPC Neuro-Palliative Care Department of Onco-Anaesthesia & Palliative Medicine, 15 October 2024, New Delhi.
2. Head and neck cancer survivorship (moderator), Adult Cancer Survivorship Symposium, 25 February 2025, New Delhi.

Abhishek Shankar

1. Epidemiology and risk factors of lung cancer, 5th ISMPO Preceptorship Programme, Topic: NextGen Lung Cancer, 22-23 March 2025, Pune, India
2. AJCC staging of NSCLC and Lung Cancer Screening, 5th ISMPO Preceptorship Programme, Topic: NextGen Lung Cancer, 22-23 March 2025, Pune, India
3. Status of Childhood cancers in India, World Childhood Cancer Day research conference by Center for pediatric hematology, oncology and clinical immunology of the Republic of Uzbekistan., 14-15 February 2025, Tashkent, Uzbekistan
4. Lung Cancer Screening: Beyond LDCT, Illuminate Oncology Towan Hall 2.0, Sir HN Reliance Foundation Hospital, 8-9 February 2025, Jio Convention Center, Mumbai
5. Panel Moderator on Cancer Screening in India: Challenges and opportunities, Illuminate Oncology Towan Hall 2.0, Sir HN Reliance Foundation Hospital, 8-9 February 2025, Jio Convention Center, Mumbai, 8-9 February 2025, Jio Convention Center, Mumbai
6. Panelist in Plenary session on How to boost cancer prevention and screening services in India, Illuminate Oncology Towan Hall 2.0, Sir HN Reliance Foundation Hospital, 8-9 February 2025, Jio Convention Center, Mumbai, 8-9 February 2025, Jio Convention Center, Mumbai
7. Entrepreneurship in Oncology, ONCOVISION 2025 by R & R Hospital, 18-19 January 2025, Delhi, India
8. Panel moderator on a panel on Lung cancer screening in India in a session on Radiotherapy & Screening in Lung Cancer, Best of The World Conference on Lung Cancer 2024 (WCLC 2024), 16-17 November 2024, Mumbai, India
9. Addressing Cancer Survivorship: Key Considerations for Gastrointestinal Cancers, 1st Annual Conference of the GI Oncology Society (GIOS 2024), 8-10 November 2024, Chandigarh, India
10. Entrepreneurship in Oncology, 11th Annual Conference CRABECON, 28-29 September 2024, Jammu, India
11. Lung Cancer Screening: LDCT and beyond, 12th General Assembly and International Conference of Asian Pacific Organisation for Cancer Prevention., 18-21 September 2024, Bishkek, Kyrgyzstan
12. How to eliminate cervical cancer in India, Annual Conference of Association of Radiation Oncologists of India - Bihar Chapter. Mahavir Cancer Sansthan, 14-15 September 2024, Patna, Bihar
13. Lung Cancer Screening that includes tobacco cessation interventions, 50th IASLC World Conference on Lung Cancer (WCLC) 2024., 6-10 September 2024, San Diego, USA
14. Cancer Care Pathways, Multi-Stakeholders Workshop for Development of a Standard Treatment Guideline for Cancer Care in Odisha, by Department of Health and Family Welfare, Government of Odisha., 31 August 2024, Bhubaneswar, Odisha
15. Community engagement in boosting cancer care in the Asia pacific region, Strategic Meeting of Asia Pacific Oncology Alliance, 27-28 August 2024, Kuala Lumpur, Malaysia
16. How to Achieve Vaccination of 90% for WHO's Cervical Cancer Elimination Goals in LMICs, First International Congress of Pediatric Oncology and Hematology; Evidence to Action, by Center for Pediatric Hematology, Oncology, and Clinical Immunology, Ministry of Health of the Republic of Uzbekistan, 5-7 June 2024, Tashkent, Uzbekistan
17. Cancer Care Pathways in Punjab, Consultative Workshop of Punjab State Oncology Expert Committee on Punjab Cancer Care Pathways, by Department of Health and Family Welfare, Government of Punjab., 19 April 2024, The Taj Hotel, Chandigarh

18. Moderated a panel on how to establish cancer care pathways for cervical cancer, Consultative Workshop of Punjab State Oncology Expert Committee on Punjab Cancer Care Pathways, by Department of Health and Family Welfare, Government of Punjab., 19 April 2024, The Taj Hotel, Chandigarh
19. Lecture on Hospice Network in India, 5th Annual National Conference of Indian Society of Neuro-oncology (ISNOCON 2024), 5-7 April 2024, Chandigarh, India

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
16	76	61

Surgical Oncology

Sunil Kumar: 10 **M D Ray: 15** **Ashutosh Mishra: 50** **Sandeep K Bhoriwal: 3**
Jyotisharma: 10 **Naveen Kumar: 5** **Babul Bansal: 10** **JyoutishmanSaikia: 6**
Amitabh Mandal: 6

Sunil Kumar (Professor and Head)

1. Care pathways in oral cancer, Care pathways in cancer. Punjab State Cancer Control Program, 19 April 2024, Chandigarh
2. Descriptive Research Group recommendations, ICMR NCI (AIIMS) Research priority conference, 7 May 2024, NCI, Jhajjar
3. Advances in Surgical Techniques for the Treatment of Lung Cancers, Homi Bhabha Cancer Conclave 2024, 24 August 2024, New Chandigarh, Punjab
4. Biomolecular research: the real test is when it reaches the last person on the ladder, 5th ICGA Conference, 20 September 2024, NII, New Delhi
5. Central thoracic tumors and extended resections, NATCON 2024, 26 September 2024, Bengaluru
6. Similarities and differences in treating the thymic tumors between the East and the West, Asia Pacific Conference on Lung Cancer, 18 October 2024, Hong Kong
7. Lymphadenectomy for esophageal cancer: 3F vs 2F, GI-HPB Surgery: Cancer & Beyond, 29 November 2024, TMC, Kolkata
8. Minimally Invasive Esophagectomy: where we stand now, OFCON 2024-2025, 19 January 2025, Apollo hospital, New Delhi
9. N2 disease in lung cancer, IASO Midterm Conference 2025, 9 February 2025, Puri, Odisha
10. Sub-xiphoid thymectomy, IASO North Zonal Conference 2025, from 21-22 February 2025, AIIMS, Rishikesh

MD Ray

1. Decision making in colorectal surgery, AIIMS Colo-proctology Symposium: 2024, from 25-27 April 2024, AIIMS, New Delhi
2. Comprehensive Care of geriatric patients with multiple comorbidities: A Multi-disciplinary approach, 4th CME of Delhi State Chapter of IAPC Geriatric Palliative Care: Guiding light through life's transitions, 27 April 2024, AIIMS, New Delhi
3. Role of HIPEC in the treatment of Ovarian Cancer: Current Evidence & Future Perspectives, Bhabha Cancer Conclave 2024, from 24-25 August 2024, New Chandigarh, Punjab
4. Partial Penectomy and Groin Dissection: Anatomy, Steps and Video, CME in Surgery 2024 and Annual Day, 4 September 2024, AIIMS, New Delhi
5. Navigating Complexity in Peritoneal Cancer Management: Addressing Complications Through Case-Based Discussions, AIIMS Surgical Oncology Conclave (ASOCON 2024), from 6-7 September 2024, NCI, AIIMS, Jhajjar
6. presented 3 scientific papers: How HIPEC plays a role along with CRS in all settings of advanced Epithelial Ovarian Cancer: A pilot study on genetic point of view., 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, from 26-28 September 2024, Lyon, France

6. presented 3 scientific papers: Role of CRS HIPEC in Carcinoma Ovary where we stand today- With our experience from a tertiary referral oncology centre, India., 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, from 26-28 September 2024, Lyon, France
6. presented 3 scientific papers: Does Incisional hernia reducible in patients undergoing Cytoreductive Surgery and HIPEC: An observational clinical study from a tertiary oncology center, India, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, from 26-28 September 2024, Lyon, France
7. Peritoneal Mesothelioma: Current Management and Future Directions, CME 2024: Cancer and beyond, 29 and 30 November 2024, TMC, Kolkata
8. HIPEC - An evolving treatment approach for Peritoneal Surface Malignancies, ICA Webinar: HIPEC Symposium, 04 December 2024, Online
9. Yoga in Cancer Care: Scope, Evidence and Evolution, 11th International Conference, Kaivalyadhama Yoga Institute and Research Centre, from 4-7 December 2024, Lonavala, India
10. HIPEC in Colo-Rectal Malignancies, ONCOVISION 2025 – FUTURE ONCOLOGY, 19 January 2025, R&R hospital, New Delhi
11. Current Status of HIPEC in Colorectal Cancer, OFCON 2024-2025, 19 January 2025, Apollo hospital, New Delhi
12. Video Presentation – SUBDIAPHRAGMATIC PERITONECTOMY - How I do it?, IASO Midterm Conference 2025, from 8-10 February 2025, Puri, Odisha
13. Role of HIPEC in Peritoneal Surface Malignancies, IASO North Zonal Conference 2025, from 21-22 February 2025, AIIMS, Rishikesh
14. Life Style Choices in Cancer Prevention, Cancer Screening & Awareness Camp, 16 March 2025, Mehrauli, New Delhi
15. Sentinel Lymph nodes gynaecological cancers: Current status and the way forward, Beyond the Blade: Advancements in Gynae-Oncology, 23 March 2025, Dwarka, New Delhi

Ashutosh Mishra(Associate Professor)

1. Role of IASO in Global South, SSO Global Partnership Leadership Summit Society of Surgical Oncology, SSO 2025, 26-29 March 2025, Tampa, Florida, USA
2. Panelist- How to avoid and manage complications, Breastanbul 2024, 10-12 October 2024, Istanbul, Turkiye
3. Chairperson & Judge- Award Paper session, Breastanbul 2024, 10-12 October 2024, Istanbul, Turkiye
4. Faculty & Speaker Breast Oncoplasty Workshop- Tips & Tricks, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
5. Speaker- Level 1 Breast Oncoplasty, ABSICON 2024, 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
6. Speaker- AI in Breast Cancer, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
7. Video Based Lecture- Autologous Complete Dermal Flap based Pre pectoral implant-based reconstruction., ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
8. Chairperson- Management of Early Breast Cancer, ABSICON 2024, - 12th Annual Conference of Association of Breast Surgeons of India, 2-4 August 2024, Lucknow
9. Speaker- Total Peritoneal Peritonectomy- A Girl with Dancing Frock (Video-lecture, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
10. Panelist- Role of Fluorescence in Cancer Surgery, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
11. Panelist- Updates on Ca Esophagus management, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
12. Chairperson- Recent Advances, Innovations, Start-ups, 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru

13. Chairperson-Strengthening cancer care – role of cancer registry - Dr Prashanth Mathur (keynote lecture), 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
14. Chairperson- Intraoperative complications-robotic esophago-gastric surgery - Dr Arul Immanual (Keynote lecture, International Speaker), 37th Annual Conference of Indian Association of Surgical Oncology (NATCON) 2024, 26-29 September 2024, Bengaluru
15. Speaker- Integration of genomics in routine clinical Practice, 5th Indian Cancer Genomic Atlas Conference, 22 September 2024, Delhi
16. Speaker- Genetic testing & Risk Reducing Surgery- Indian Scenario, ABC of Breast Oncoplasty, Workshop & CME, 19-20 September 2024, IGMC, Shimla
17. Video Lecture- Grisotti Flap, ABC of Breast Oncoplasty, Workshop & CME, 19-20 September 2024, IGMC, Shimla
18. Moderator- Panel LABC, Workshop on Breast Cancer Awareness, 18 October 2024, AIIMS New Delhi
19. Speaker - Rotation Mastopexy, Oncoplastic Breast Surgery Training Workshop, 9-10 November 2024, Ahmedabad
20. Masterclass- SLNB, Oncoplastic Breast Surgery Training Workshop, 9-10 November 2024, Ahmedabad
21. Video lecture- ADM based Implant Recon, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
22. Video lecture- Implant based Breast Recon, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
23. Panelist- locally Advanced Breast cancer, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
24. Moderator- Debate- Is BCS always an option in EBC., ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
25. Chairperson- Panel- Melanoma, ASICON 2024, 84th Annual Conference of Association of Surgeons of India, 13-14 December 2024, Agra, UP
26. Lecture- Surgery in OMBC, Delhi Breast Oncology Group, 7 December 2024, Delhi
27. Video based lecture- Breast Implant, ASOCON 2024- AIIMS Surgical Oncology Conclave 2024, 8 September 2024, Delhi
28. speaker- Metastatic Neck nodes in thyroid cancer, ASI Time- Symposium - Online, September 2024, Delhi
29. Speaker- Surgical Prevention in Various cancers, CME- 6th CME of Indian Association of Palliative care & Oncology Nursing Association, September 2024, Delhi
30. Talk- Chest wall perforator transposition flaps - A new paradigm for Partial Breast Reconstruction, CME- AIIMS Bathinda “World Plastic Surgery Day”, 15 July 2024, Bathinda, Punjab
31. Video Lecture- MICAP Flap- Tips and Tricks, Oncoplasty Breast Surgery Training Workshop Module 2, Kolkata, 1-2 February 2025, Kolkata
32. Speaker- Therapeutic Mammoplasty, Oncoplasty Breast Surgery Training Workshop Module 2, Kolkata, 1-2 February 2025, Kolkata
33. Panelist- Management in LABC, Oncoplasty Breast Surgery Training Workshop Module 2, Kolkata, 1-2 February 2025, Kolkata
34. Speaker- Axillary Surgery in 2024 in carcinoma breast: Finding the Balance Between Treatment and Overtreatment., IASO- MIDCON 2025, Puri, 8-10 February 2025, Puri
35. Speaker- Fluorescence Guided surgery In Oncology, IASO- MIDCON 2025, Puri, 8-10 February 2025, Puri
36. Chairperson- Oligometastatic colorectal Cancer, IASO- MIDCON 2025, Puri, 8-10 February 2025, Puri
37. Chairperson- 3-Field Esophagectomy: Striking the Balance Between Necessity and Overtreatment, IASO-MIDCON 2025, Puri, 8-10 February 2025, Puri
38. Speaker- Management of Axilla in Carcinoma Breast- Axillary Dissection, ASI- TIME, 5 February 2025, Webinar
39. Speaker- Fluorescence Imaging in Breast Reconstruction (Deep Dive), Specialized learning opportunity for Surgeons- Lapguru, 2 March 2025, Live Webinar

40. Keynote Lectures- Risk reducing surgery in breast cancer, ABSI-MIDCON 2025, Udaipur, 7-8 March 2025, Udaipur
41. Video Lecture- Implant ADM based breast reconstruction, ABSI-MIDCON 2025, Udaipur, 7-8 March 2025, Udaipur
42. Speaker- ICG in Gynaecological Cancer Management, OFCON 2025- Apollo Hospital, 18 January 2025, Delhi
43. Panelist: management of Penile Carcinoma, Uro-Oncology Update 2024, 23-24 November 2024, AIIMS Delhi
44. Panelist: Future of Breast cancer research in the Survivorship field, AOC 2025: Breast Cancer, 15-16 February 2025, NCI Jhajjar
45. Panelist: "Promoting Empathy and Understanding of Cancer to Reduce Its Impact ", World Cancer Day 2025, AIIMS New Delhi, 2025, Delhi
46. Panelist – From Progress to Practice: Harnessing best approaches in cervical cancer elimination in India, Empowering India towards a Cervical cancer free future, 17 November 2024, Online Webinar
47. Speaker- Management of Axilla SLNB, IASO Mastery of Surgery, 18 February 2025, Online webinar
48. Speaker- Familial & Hereditary Breast Cancer Research Network in India., AIIMS ONCOLOGY CONCLAVE, 2025, Breast Cancer, 15-16 February 2025, NCI Jhajjar
49. Panelist- Head and Neck Cancers in India, AIIMS ONCOLOGY CONCLAVE, 2025 Head and Neck Symposium, 15-16 February 2025, NCI Jhajjar
50. Panelist - "Setting Research Priorities for breast Cancer in India, CMR-NCI National Workshop on Cancer Research Priorities, 2024, May 2024, NCI Jhajjar

Sandeep Kumar Bhoriwal (Associate Professor)

1. Lapaeoscopic D3 Right Hemicolectomy, NZIASOCON, 21 February 2025, Rishikesh
2. Management of Her 2 Neu Breast cancer, ABSIMIDCON, 7 March 2025, Udaipur
3. Interactive Networking Session, AIIMS Oncology Conclave 2025, 16 March 2025, Jhajjhar

Jyoti Sharma (Associate Professor)

1. Talk: challenges on, Non extremity and Non abdomen Fibromatosis, Scientific Symposium on Desmoid Tumors, 14 July 2024, AIIMS Delhi
2. Talk: Breast Oncoplasty, CME in General surgery & Annual Day, 2 September 2024, AIIMS Delhi
3. Panelist: Oncoplasty in Breast cancer: How to choose, SELSICON 2024, 17 October 2024, AIIMS Delhi
4. Moderator: Soft tissue sarcoma, IASO, NATCON, 27 September 2023, Bengaluru
5. Panelist: management of Penile Carcinoma, Uro-Oncology Update 2024, 23-24 November 2024, AIIMS Delhi
6. Talk: challenges in ISR, OFCON 2024-2025, 18-19 January Apollo Hospital, Delhi
7. Master Video: SLNB in Indian Set up, IASO MIDCON 2025, 8 February 2025, Puri
8. Moderator: Future of Breast Cancer research in the Survivorship field, AOC 2025: Breast Cancer, 15-16 February 2025, NCI Jhajjar
9. Moderator: Young Breast Cancer, ABSI MIDCON, 7-8 March 2025, Udaipur

Naveen Kumar (Assistant Professor)

1. Navigating the Evolution of Esophagectomy for better patient outcomes – Tips and Tricks-, IASO, NATCON, 27 September 2023, Bengaluru
2. Uniportal surgery: Tips and trics, IASO, NATCON, 27 September 2023, Bengaluru
3. Fluorescence guided surgery, IASO MIDCON 2025, 8 February 2025, Puri
4. Uniportal Segmentectomy, IASO MIDCON 2025, 8 February 2025, Puri
5. Ligasure in Oncology, ABSI MIDCON, 7-8 March 2025, Udaipur

Babul Bansal (Assistant Professor)

1. Panellist: "Navigating Complexity in Peritoneal Cancer Management: Addressing Complications", ASOCON 2024, NCI Jhajjar, 2024, INDIA
2. Oral Presentation: "Soft Tissue Sarcoma of the Extremities", Surgery Update 2024, MAMC New Delhi, 2024, INDIA
3. Panellist: "Case-Based Scenario in Palliative Care", NATCON IASO 2024, Bengaluru, 2024, INDIA
4. Chairperson: Session on Head and Neck Cancer, OFCON 2024, New Delhi, 2024, INDIA
5. Panellist: "Encouraging Healthcare Systems to Provide Personalized Care", World Cancer Day 2025, AIIMS New Delhi, 2025, INDIA
6. Debate Speaker: "HIPEC vs No HIPEC in Gastric Cancer", IASO MIDCON 2025, Puri Odisha, 2025, INDIA
7. Oral Presentation: "Continuous Intraoperative Nerve Monitoring", Workshop on Intraoperative Nerve Monitoring, Max Saket, 2025, INDIA
8. Oral Presentation: "Role of HIPEC in Ovarian Cancer", ONCO-PULSE 2025, New Delhi, 2025, INDIA
9. Moderator: "Surgical Anatomy for Neck Dissection", Oncology Forum Academy, Dharamshila Hospital, 2025, INDIA
10. Moderator: "NIFTP" and "Management of Dedifferentiated and Anaplastic Thyroid Cancer", Oncology Forum Academy, Max Vaishali, 2025, INDIA

JyoutishmanSaikia (Assistant Professor)

1. Panel Discussion-Breast Oncology, ASOCON, NCI AIIMS Jhajjar, 6-7 September 2024, NCI Jhajjar, Haryana
2. Moderator- Case Discussion (Journal Club presentation), NASO Conference, BBCI Guwahati, 19 October 2024, Guwahati, Assam
3. Speaker: Deescalation of axillary surgery in Breast cancer, NASOCON, SCI Guwahati, 7-8 December 2024, Guwahati Assam
4. Panel Discussion: Case based (LABC, Oligometastatic setting), IASO MIDCON, 8-10 February 2024, Puri, Odisha
5. Speaker: Chest wall perforator flaps in partial breast reconstruction -Indications and outcomes, IASONZCON 2025, 21-22 February 2025, Rishikesh, Uttarakhand
6. Panel Discussion: Case based discussion on young breast cancer, ABSI MIDCON, 7-8 March 2025, Udaipur, Rajasthan

Amitabha Mandal (Assistant Professor)

1. Panel discussion - Managing Hepatobilliary Surgical Complications, ASOCON 2024 AIIMS Surgical Oncology Conclave, 6-7 September 2024, New Delhi
2. Video lecture – VATS esophagectomy, CME 2024 GI-HPB Surgery, 29-30 November 2024, Kolkata
3. Panel discussion – Locally advanced gall bladder cancer, IASO MIDCON 2025, 8-10 February 2025, Puri, Odisha
4. Lecture – Local flap in Head & Neck, IASONZCON 2025, 21-22 February 2025, Rishikesh
5. Panel moderation – Recent advances in colorectal PSM, IASONZCON 2025, 21-22 February 2025, Rishikesh

LECTURES DELIVERED OVER PAST 3 YEARS

2021–2022	2022–2023	2023–2024	2024–2025
35	54	72	114

Dietitics Unit

Academically the following Lectures/ Seminar was delivered within IRCH

1. Enteral Nutrition I – Guidelines, Pre & Post Palliative Treatment, Consultants, SR, JR

2. Enteral Nutrition II – Continuation of Enteral Nutrition I, Consultants, SR, JR
3. Role of Diet in Cancer Prevention & Antioxidant Therapy, Consultants, SR, JR
4. Nutrition in Cancer Patients, DNS, ANS, SNO, Nursing Officers

List of oral papers/posters presented

Diagnostic and Interventional Onco-Radiology: 5

1. Chandrashekhara S H. M MChettiarthodi, N Gupta., Contrast enhanced ultrasound guided celiac plexus nerve block in upper abdominal cancer pain with correlation with CT., Society of Interventional Oncology 2025 annual Scientific Meeting, 30 January-3 February 2025, Las Vegas, Nv,
2. Chandrashekhara S H. M MChettiarthodi, N Gupta., Ultrasound guided celiac plexus block using the unilateral injection either on the right or left side of celiac plexus: correlation with CT., Society of Interventional Oncology 2025 annual Scientific Meeting, 30 January-3 February 2025, Las Vegas, Nv,
3. Chandrashekhara S H. A Prakash, N Gupta., Ultrasound guided celiac plexus block using the unilateral injection either on the right or left side of celiac plexus: correlation with CT., Society of Interventional Oncology 2025 annual Scientific Meeting, 30 January-3 February 2025, Las Vegas, Nv,
4. Seema Singhal, Swati Tomar, Rishu Jain, Richa Vatsa, Jyoti Meena, Sachin Khurana, Lalit Kumar, D N Sharma, Ekta Dhamija, Vatsla Dadhwal, Neena Malhotra, Neerja Bhatla, Oncological and Obstetric Outcomes of Pregnant women with Cancer: Experience From A Tertiary Care Centre, AGOICON 2022 Best paper award, 4-6 November 2022, KGMU, Lucknow
5. Shagun Kapoor, Swati Tomar, Seema Singhal, Ekta Dhamija, Chandrima Ray, Shubhi, Juhi Bharti, Richa Vatsa, Saloni Jain, Neena Malhotra, Giant Struma ovarii: Report of two cases and review of literature, NARCHICON 2022, 23-25 September 2022, The Lalit, Delhi

Total number of oral/poster presentations

2022–2023	2023–24	2024–25
5	7	5

Onco-Anaesthesia& Palliative Medicine

List of oral papers/posters presented: 42

Laboratory Oncology:

1. Aftab S, Dubey H, Ranjan A, A case of gastrointestinal stromal tumor complicated by tuberculosis, KSERS, 11-13 April 2024, Seoul
2. Benjamin M, Thukral N, Singh A, Pandey AK, et al, RNA sequencing reveals potential therapeutic vulnerabilities in DUX4-rearranged B acute lymphoblastic leukemia, 22nd Annual Meeting of the Japanese Society of Medical Oncology (JSMO2025), 6-8 March 2025, Japan3
3. Biswas S, Dubey H, Ranjan A, Chemotherapy induced cardiomyopathy in colon carcinoma, KSERS, 11-13 April 2024, Seoul
4. Deepshi Thakral*, Muskan Chaddha, Megha Nimje, Hemlata Rai, Vivek Kumar Singh, Aafreen Khan, Sameer Bakhshi, Ritu Gupta, Evaluation of an Integrated Approach of Combining Genotype with Immunological Phenotypes for Risk Assessment in Acute Myeloid Leukemia, I-OSICON 2025 6th Annual Congress of Immuno Oncology Society of India, 31 January 2025, Bhubanewar, Odisha
5. Deepshi Thakral*, Muskan Chaddha, Megha Nimje, Vivek Kumar Singh, Aafreen Khan, Ritu Gupta, and Sameer Bakhshi, Evaluation of Full Spectrum cell-free RNA in Peripheral Blood as Potential Biomarker for Acute myeloid leukemia Profiling, 6th Annual Congress of Liquid Biopsy, 23-25 November 2024, Denver, Colorado (Online)
6. Deepshi Thakral, Muskan Chaddha, Megha Nimje, Vivek Kumar Singh, Shreya Prakash, Aafreen Khan, Sameer Bakhshi, Ritu Gupta, Prognostic Relevance of Immune Cell Exhaustion Markers in Acute myeloid leukemia: Potential for Targeted Immunotherapies, SACT 2025 Series on Advancements in Cell Therapy, An Asia-Pacific Cell Therapy Conference and Workshop, 7 March 2025, Navi Mumbai, Maharashtra**1** 3rd prize in oral presentation

7. DeepshiThakral#, Muskan Chaddha, Megha Nimje, Vivek Kumar Singh, Shreya Prakash, Aafreen Khan, Sameer Bakhshi, Ritu Gupta, Targeted Immune Exhaustion Gene Expression Profiling of Peripheral Blood identifies Distinct Subtypes of Acute Myeloid Leukemia, Global Immunology Summit-2025, 15 February 2025, THSTI, Faridabad, Haryana
8. Dubey H, Ranjan A, Does CT45 provide Recurrence protection in Ovarian Cancer?, Oncology Conundrums, 17-19 May 2024, Delhi
9. Dubey H, Ranjan A, Merla S, Immunophenotyping for screening of acute leukaemia, I-OSICON, 31 January-2 February, 2025, Bhubaneswar
10. Dubey H, Ranjan A, Merla S, Pleural_effusions_in_ovarian_malignancy, Apollo Cancer Conclave 2024, 8-10 November 2024., Mumbai
11. Dubey U, Dubey, H, Ranjan A, Telemedicine in Oncology, Apollo Cancer Conclave 2024, 8-10 November 2024, Mumbai
12. Gupta Ritu, Kumar Lalit, Gupta Anubha, Sharma Atul, Sahoo Ranjit Kumar, Gogia Ajay, Evaluating ethnicity-specific risk stratification models of multiple myeloma with global risk stratification models in real life scenario, 21st International Myeloma Society Annual Meeting & Exposition, 25-28 September 2024, Rio De Janeiro, Brazil
13. Gupta SK, Leons GK, Sharma P, Rani L, Bakhshi S, Gupta R, Gajendra S, Sahoo RK, Pushpam D. (POSTER PAPER), Utility of Anchored Multiplex PCR and Targeted Sequencing in Fusion Detection in B-cell Acute Lymphoblastic Leukemia (B-ALL). (Travel Award), 2025 Korean Society of Hematology (KSH) International Conference and 66th Annual Meeting, 27-29 March 2025, Seoul, South Korea.2, [1] First Prize, [2]ICKSH Travel Award
14. Gupta SK, Sharma P, Leons GK, Rani L, Bakhshi S, Gupta R, Gajendra S, Sahoo RK, Pushpam D. (ORAL PAPER), Role of Archer Fusionplex ALL sequencing panel in the genomic assessment of B-Cell acute lymphoblastic leukemia (B-ALL) in Indian patients. (Oral Paper; received first Prize), 25th Annual Academic Sessions of Sri Lanka College of Haematologists- Haem Icon 2024, 27-28 September 2024, Colombo, Sri Lanka.1
15. Gupta SK, Sharma P, Leons GK, Rani L, Bakhshi S, Gupta R, Gajendra S, Sahoo RK, Pushpam D. (POSTER PAPER), Detection of gene fusions using Archer Fusionplex ALL targeted sequencing panel in B-Cell Acute Lymphoblastic Leukemia (B-ALL), 16th Congress of the Asia Continental branch of International Society of the Paediatric Oncology (SIOP Asia 2024), 22-25 June 2024, Yokohama, Japan.
16. Jain Sakshi, Dubey H, Ranjan A, Myeloid Sarcoma of Maxillo-Ethmoidal Sinus : an uncommon presentation of Acute Myeloid Leukemia, Oncology Conundrums:, 17-19 May 2024, New Delhi
17. Kaur G et al, RNA Seq reveals dysregulatedtumor associated antigens in chronic lymphocytic leukemia (CLL)., 65th Annual Conference of the Indian Society of Haematology and Blood Transfusion Conference “Haematocon 2024”, 7-10 November 2024, Nagpur
18. Kaur G et al, Targeting Neoantigens in Chronic Lymphocytic Leukemia (CLL) for personalized T celltherapy, Molecular Analysis for Precision Oncology Congress (MAP) 2024 ESMO, 16-18 October 2024, London, UK
19. Megha Nimje, Muskan Chaddha, Aafreen Khan, Vivek Kumar Singh, Shreya Prakash, Sameer Bakhshi, Ritu Gupta, Deepshi Thakral*, Exploring an Integrated Genomic and Transcriptomic Profiling Approach for Subtyping and Risk Stratification in Acute Myeloid Leukemia, 4th Research Day AIIMS, New Delhi, 29 January 2025, AIIMS, New Delhi
20. Merla SV, Dubey H, Ranjan A, Carcinoma of unknown primary with lytic lesions, MAX CANCER CONGRESS, 20-22 September 2024, Mumbai
21. Merla SV, Dubey, H, Ranjan A, Significance of high MSI in metachronous colon cancer following lung cancer, Think Lung Think Genomics- Lung Masterclass, 28-29 September 2024, New Delhi
22. Merla SV, Singh J, Benjamin M, Palanichamy JK, Bakhshi S, Chopra A. (First prize)., Understanding PAX5-driven subtypes in B-ALL: a comprehensive analysis., 4th AIIMS Annual Research Day, 2025., 30 January 2025, New Delhi1
23. Modi M, Dubey H, Ranjan A, An approach to the management of Plasmablastic lymphoma, Oncology Conundrums, 17-19 May 2024, New Delhi

24. Pandey AK, Goel H, Singh J, Benjamin M, Palanichamy J, Bakhshi S, Chopra A, VASH1 Expression in Acute Myeloid Leukemia: Implications for Prognosis and Therapeutic Targeting, 22nd Annual Meeting of the Japanese Society of Medical Oncology (JSMO2025), 6-8 March 2025, Japan 3 [1]First prize[2]Blue Dragon [3]Travel Award
25. Ranjan A, Dubey H, Merla SV, CD5 negative mantle cell lymphoma, I-OSICON, 31 January-2 February, 2025, Bhubaneswar
26. Ranjan A, Dubey H, Merla SV, Prognostic Significance of HE4 & CA125 in Cervical cancer, MVRCANCON, 29 August- 1 September 2024, Calicut
27. Ranjan A, Dubey H, Merla SV, Relevance of CT45 gene expression as a predictive biomarker in the recurrence of Ovarian Cancer, MAX CANCER CONGRESS, 20-22 September 2024, Mumbai
28. Sharma S, Kumar V, Ranjan A, Untargeted 1H-NMR- based metabolomics to distinguish prostate cancer patients from healthy controls, Apollo Cancer Conclave 2024, 8-10 November 2024, Mumbai
29. Shreya Prakash, Muskan Chaddha, Megha Nimje, Aafreen Khan, Vivek Kumar Singh, Ritu Gupta, Bakhshi Sameer, Thakral Deepshi*, Plasma Cell Free RNA and PBMCs transcriptome profiling yield concordant results in Acute Myeloid Leukemia: Potential for Liquid Biopsy Applications, 4th Research Day AIIMS, New Delhi, 29 January 2025, AIIMS, New Delhi
30. Singh J, Benjamin M, Palanichamy JK, Bakhshi S, Chopra A., Genomic Landscape and Diagnostic Advancements in BCR-ABL1-like ALL., ICKSH 2025, 26-29, March 2025, Seoul, South Korea2
31. Singh M, Dubey H, Ranjan, Immunology in a case of sarcoma of ovary, a rare case presentation, I-OSICON, 31 January -2February, 2025, Bhubaneswar
32. Singh S, Dubey, H, Ranjan A, Megakaryocyte in PBS in a case of CML, Oncology Conundrums: Navigating Complex Clinical Scenarios, 17-19 May 2024, New Delhi
33. Singh Vivek Kumar, Khan Aafreen, Thakral Deepshi, Gogia Ajay, Pramanik Raja, Malik Prabhat Singh, Gupta Ritu, Immune cell dysregulation across disease stages in multiple myeloma, 7th Annual Conference of IMAGe at Tata Medical Center, Kolkata., 10 January 2025, Kolkata
34. Smeeta Gajendra, Ritu Gupta, Lata Rani, et al, Landscape of Genomic Aberrations in Multiple Myeloma., Society of Hematologic Oncology Twelfth Annual Meeting from, 4–7 September 2024 at, Virtual (Online)
35. Smeeta Gajendra, Ritu Gupta, Sanjeev Kumar Gupta, et al, Measurable Residual Disease Assessment by Flow Cytometry in T-Cell Acute Lymphoblastic Leukemia., Society of Hematologic Oncology Twelfth Annual Meeting from, 4–7 September 2024 at, Virtual (Online)
36. Smeeta Gajendra, Ritu Gupta, Sanjeev Kumar Gupta, et al., DNA Ploidy Analysis Using FxCycle™ Violet (FCV) Based Flow Cytometry in B-Acute Lymphoblastic Leukemia, 16th Annual TCS 2024, 17-20 October 20242, Navi Mumbai
37. Smeeta Gajendra, Ritu Gupta, Sanjeev Kumar Gupta, et al., Evaluating Minimal Residual Disease Monitoring in Acute Myeloid Leukemia Using Multiparametric Flow Cytometry: Insights and Applications, 65th Annual Conference of the Indian Society of Haematology and Blood Transfusion, Haematocon 2024, 07-10 November 2024, Nagpur
38. Tanwar K, Dubey H, Ranjan A, Clinical evaluation of metastatic lung lesions in ovarian malignancy, Think Lung Think Genomics- Lung Masterclass, 28-29 September 2024, New Delhi
39. Tanwar K, Dubey, H, Ranjan A, Endometriosis_as_a_diagnostic_dilemma_for_ovarian_cancer, MAX CANCER CONGRESS, 20-22 September 2024, Mumbai
40. Tanwar Pranay, Goel Harsh, Transcriptomic Profiling of Paired De Novo and Relapse AML Cases Reveals Key Gene Expression Changes and Potential CRISPR Targets, CRISPR Conference, 16-20 February 2025, Christchurch, New Zealand
41. Tanwar Pranay, Goel Hash, Chopra Anita, Gupta Aditya, Meena Jagdish Prasad, Ganesh V, Bakshi Sameer, Decoding the hedgehog signalling pathway in acute myeloid leukemia: Biomarkers and therapeutic perspectives., 49th Annual Meeting of the Indian Society of Human Genetics and International Conclave on Neurogenetics, 20-22 January 2025, Bengaluru, Karnataka, India
42. Tanwar Pranay, Goel Hash, Chopra Anita, Gupta Aditya, Jagdish Prasad Meena, Ganesh V, Sameer bakshi, A Prospective Study to Evaluate the Prognostic Implications and Molecular Mechanism of SLC40A1 in Primary Acute Myeloid Leukemia, Molecular Analysis for Precision Oncology Congress, 16-18 October 2024, London, UK

ORAL PAPERS/POSTERS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
21	27	42

Medical Oncology

1. Ganguly S, Sasi A, Nagpal C, Biswas B, Khan SA, Kumar VS, Kapoor L, Biswas A, Pushpam D, Bakhshi S, Oral presentation "Clinical presentation and survival outcomes of Ewing Sarcoma of hand and feet: A retrospective institutional analysis of 28 cases.", 56th Congress of the International Society of Paediatric Oncology (SIOP) and Pre-Meeting education, Hawaii, USA, 16-20 October 2024

ORAL PAPERS/POSTERS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
03	02	01

1. Rastogi, S. Kaur S, Chandra D, Gupta S, Gamangatti S. et al., Effect of sorafenib on reproductive, cognitive, hormonal and cardiovascular functions in patients with desmoid, DTRF annual meeting, 23 September 2024, USA
2. Rastogi S, Barwad A, Dhamija E, Pandey R., Role of dedicated next generation sequencing in sarcomas under the umbrella of multidisciplinary tumor board, IMSOS 2025, 16 March 2024, Goa
3. Batra A, Mishra A, Tanwar P, Gupta I, Kumar S, Mathur S, et al, Exploring NOTCH signaling pathway mutations as possible CRISPR targets in primary breast cancer among the Indian population, CRISPR 2025, 15 February 2025, Christchurch, New Zealand

ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
2	2	3

1. Sheikh Mohammad Umar, Shruti Kahol, Arundhathi Dev JR, Akanksha Kashyap, Sandeep R Mathur, Ajay Gogia, S V S Deo, Chandra Prakash Prasad*, β-catenin regulated aerobic glycolysis in triple-negative breast cancers (TNBCs): A novel therapeutic avenue., 3rd AIIMS Annual Research Day, 29 January 2024, New Delhi
2. Meetu Rathee, Sheikh Mohammad Umar, Arundhathi Dev J R, Akanksha Kashyap, Shyam S Chauhan, Atul Sharma, Chandra Prakash Prasad*, 7-amino carboxycoumarin 2 (7ACC2) inhibits lactate induced epithelial-to-mesenchymal transition via MPC1 in oral and breast cancer cells., 3rd AIIMS Annual Research Day, 29 January 2024, New Delhi
3. Kashyap Akanksha, Mathur R Sandeep, Gogia Ajay, Batra Atul, Deo SVS, Chandra Prakash Prasad*., Combination treatment of PFK15 and siPFKL significantly targets glycolytic phenotype in Triple Negative Breast Cancer., 3rd AIIMS Annual Research Day, 29 January 2024, New Delhi
4. Arundhathi Dev JR, Sheikh Mohammad Umar, Akanksha Kashyap, Sandeep R Mathur, Ajay Gogia, S V S Deo, Chandra Prakash Prasad*., HuR regulates Triple Negative Breast Cancer (TNBC) progression via aerobic glycolysis.3rd AIIMS Annual Research Day on 29-30 January 2024., 3rd AIIMS Annual Research Day, 29 January 2024, New Delhi
5. A Kashyap, S Kumar, P Das, C Rajegowda, CP Prasad*., Exploring the role of canonical WNT signaling in gallbladder cancer progression and therapeutic implications of XAV939, ESMO Gastrointestinal Cancers Congress 2024, 27 June 2024, Munich/Germany
6. Ajay Gogia, Anshul Gupta, Atul Batra, SVS Deo, Ashutosh Mishra, Daya Nand Sharma, Surendra Kumar Saini, Sandeep Mathur, Hari Krishna Raju Sagiraju, Chandra Prakash Prasad., Neoadjuvant pertuzumab, docetaxel, carboplatin, and trastuzumab (PTCH) regimen in patients with HER2 positive early, locally advanced, and oligometastatic breast cancer: Real-world Indian experience., 2024 ASCO Annual Meeting, 31 May 2024, Chicago/Illinois

7. Aastha Goel, Ajay Gogia, Sandeep Mathur, Archana Sasi, Atul Batra, SVS Deo, Pranay Tanwar, Chandra Prakash Prasad., Prevalence of somatic PIK3CA mutations in hormone receptor-positive metastatic breast cancer: The Indian experience., 2024 ASCO Annual Meeting, 31 May 2024, Chicago/Illinois
8. Ajay Gogia, Anshul Gupta, Atul Batra, SVS Deo, Daya Nand Sharma, Sandeep Mathur, Ashutosh Mishra, Chandra Prakash Prasad., Outcome with pertuzumab, docetaxel, and trastuzumab (PTH) regimen in patients with HER2 positive metastatic breast cancer: Real-world data from a single center in India., 2024 ASCO Annual Meeting, 31 May 2024, Chicago/Illinois
9. Nithin SG, Ajay Gogia, Raja Pramanik, SVS Deo, Daya Nand Sharma, Atul Batra, Sandeep Mathur, Chandra Prakash Prasad., Profile of breast cancer in patients with Li-Fraumeni syndrome: An institutional experience., 2024 ASCO Annual Meeting, 31 May 2024, Chicago/Illinois
10. Sheikh Mohammad Umar; Shruti kahol; Arundhathi Dev JR; Akanksha Kashyap; Sandeep R. Mathur; Ajay Gogia; S.V.S Deo; Chandra Prasad, Unveiling the therapeutic potential of β-catenin inhibition in triple negative breast cancers: Targeting the Warburg effect, AACR Annual Meeting 2024, 8 April 2024, San Diego, California
11. Arundhathi Dev J R; Ajay Gogia; Sandeep R. Mathur; S.V.S. Deo; Chandra Prakash Prasad, HuR regulates aerobic glycolysis in triple negative breast cancer (TNBC), AACR Annual Meeting 2024, 8 April 2024, San Diego, California
12. Chandra Prakash Prasad Sheikh Mohammad Umar; Arundhathi Dev J. R.; Akanksha Kashyap; Meetu Rathee., Regulating lactate levels in triple negative breast cancer presents a promising avenue for therapeutic intervention., AACR Annual Meeting 2024, 8 April 2024, San Diego, California

ORAL PAPERS/POSTERS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
09	06	12

Thoudam Debraj Singh (Additional Professor)

1. Thoudam Debraj Singh, Estrogen-related receptor (ERRγ) as a potential biomarker and therapeutic target for colorectal cancer (CRC) and the synergetic anti-tumor effect of DN200434 (ERRγ inverse agonist) and MK-2206 (Akt inhibitor) in CRC in vivo (Best poster award), 50thKorean Cancer Association & 10th International Cancer Conference (KCA 2024), 20-21 June 2024, Seoul, South Korea
2. Thoudam Debraj Singh, Estrogen-related receptor gamma (ERRγ) as a therapeutic target and the synergetic anti-tumor effect of DN200434 (ERRγ inverse-agonist) and MK-2206 (Akt inhibitor) in ovarian cancer in vivo., World Molecular Imaging Congress 2024, 9-13 September 2024, Montreal, Canada
3. Thoudam Debraj Singh, Estrogen-related receptor (ERRγ) as a potential biomarker and therapeutic target for colorectal cancer, 17th Annual Meeting of the Korean Society of Medical Oncology & 2024 International Conference (KSMO 2024), 26-27 September 2024, Seoul, South Korea
4. Thoudam Debraj Singh, Estrogen-related receptor gamma (ERRγ) as a novel target for Anaplastic thyroid cancer and the synergistic killing effect of DN200434 (ERRγ inverse-agonist) and MK2206 (Akt inhibitor) in thyroid cancer, (International Travel grant award), 17th Annual Meeting of the Korean Society of Medical Oncology & 2024 International Conference (KSMO 2024), 26-27 September 2024, Seoul, South Korea
5. RidhimGoel, Thoudam Debraj Singh, Estrogen-related receptor gamma (ERRγ) as a therapeutic target and the synergetic anti-tumor effect of DN200434 (ERRγ inverse-agonist) and MK-2206 (Akt inhibitor) in ovarian cancer in vivo. (Best poster award 3rd Prize), 4th AIIMS Annual Research Day, 29-30 January 2025, Delhi, India
6. Deepak Gulwani, Thoudam Debraj Singh, Estrogen-related receptor (ERRγ) as a potential biomarker and therapeutic target for colorectal cancer (CRC) and the synergetic anti-tumor effect of DN200434 (ERRγ inverse agonist) and MK2206 (Akt inhibitor) in CRC in vivo, 4th AIIMS Annual Research Day, 29-30 January 2025, Delhi, India

2022–2023	2023–2024	2024–2025
03	05	06

1. Speaker on perioperative chemotherapy in gastric cancer, CME in surgery, 3-4 September 2024, Delhi
2. Invited lecture, Cancer Genetics: Basics and Pedigree drawing, Oncology Updates 2024, 28 April 2024, New Delhi
3. Invited Lecture, Newer drugs in Desmoid: Challenges for us, Desmoid scientific symposium, 14 July 2024, AIIMS, New Delhi
4. Didactic session, Recurrent cervical cancer, IGCS -India ECHO, Project ECHO, 23 August 2024, Online
5. Didactic session, Low-Grade Serous Cancer, IGCS -India ECHO, Project ECHO, 13 February 2025, Online
6. Didactic session, Recurrent Ovarian cancer in low-resource settings, IGCS -India ECHO, Project ECHO, 26 July 2024, Online
7. Panelist, Molecular testing and Gynecological Cancer – Endometrial Carcinoma, 6th Annual conference of Oncology Forum, 03 December 2023, New Delhi, India
8. Panelist, Molecular Tumor Board- Hereditary cancer syndrome, Molecular Tumor Board and Lung Masterclass, 29 November 2024, New Delhi
9. Panelist, Geriatric Oncology Models of Care- Implementation, Challenges, and the Roadmap ahead for collaboration, Geriatric Oncology Workshop, 20 December 2024, Mumbai
10. Chairperson, Session on Gyne-Oncology, Annual Conference of Oncology Forum (OFCON 2025), 19 January 2025, New Delhi
11. Panelist, Brainstorming on Toxicity of IO agents- Prediction, Identification, and Treatment, Breathing Brilliance-Symposium by Rajiv Gandhi Cancer Institute and Research Centre, 22 March 2025, New Delhi
12. Panelist, Case-based discussion: Endometrial cancer, FOGSI and AOGD committee meeting: Integrating Genetics in Women's Cancer Care, 29 March 2025, New Delhi

ORAL PAPERS/POSTERS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
01	01	12

1. Aparna Sharma Swasthik Upadhya, Prabhat Singh Malik, Sachin Khurana, DeepamPushpam, Akash Kumar, Babita Kataria, Sunil Kumar, Naveen Gupta, Abhinav Singhal, Sanjay Thulkar, Deepali Jain, Aruna Nambirajan, Clinical Insights and Survival Outcomes of Malignant Pleural Mesothelioma: An Experience from a Tertiary Care Centre in India presented as Poster at, Poster : World Congress of Lung Cancer, 6-9 September 2024, San Diego
2. Aparna Sharma, Atul Sharma, Alok Thakar, Suman Bhasker, Kapil Sikka, Amit Chirom Singh, Rajeev Kumar, Raja Pramanik, Vaibhav Patil, Akash Kumar, Babita Kataria, Abhinav Singhal, Smriti Panda, Aman Sharma, Yousra Izzuddeen, and Chethan R, ".Role of celecoxib in reducing cognitive impairment in patients receiving definitive chemoradiation for head and neck carcinoma: A phase II randomized placebo controlled trial (CELCI-HN study).", Poster American Society of Clinical Oncology Annual Meeting, 3 June 2024, Chicago

Medical Physics

1. Anita Nilsson, Michael Hartkopf, Geoffrey Ibbott, Per Kjall, Michal Kuca, Pratik Kumar, Rajesh Kumar, Development of a new international IEC standard: Security of medical equipment using high-activity sealed radioactive sources, International Conference on Nuclear Security: Shaping the Future, 20-24 May 2024, Austria, IAEA Headquarter, Vienna,
2. Michael Hartkopf, Geoffrey Ibbott, Per Kjäll, Pratik Kumar, Rajesh Kumar, Anita Nilsson, Developing an international security standard for medical equipment containing sealed radioactive sources, The 16th International Congress of the International Radiation Protection Association (IRPA), 7-12 July 2024, Rosen Shingle Creek, Orlando, USA
3. Ashish Binjola, V. Subramani, N. Gopishankar, Sukhvir Singh, R. K. Bisht, D. N. Sharma, Pratik Kumar, Radiological Properties of Tissue Substitutes 3D-Printed with Polylactic Acid (PLA) Composite Filaments Using Fused Filament Fabrication Technique, Annual Conference of Association of Medical Physicists of India, AMPICON2024, 8-10 November 2024., Sevalal Banjara Bhawan, Hyderabad

4. Ashish Binjola, V. Subramani, N. Gopishankar, Sukhvir Singh, R. K. Bisht, D. N. Sharma, Pratik Kumar, Radiological Properties of Tissue Substitutes 3D-Printed with Polylactic Acid (PLA) Composite Filaments Using Fused Filament Fabrication Technique, Annual Conference of Association of Medical Physicists of India, AMPICON2024, 8-10 November 2024., Sevalal Banjara Bhawan, Hyderabad
5. Susama Rani Mandal, Dharuman Vadivel, Sanal Narayanan, Visvanathan N, Thamarai Selvi P, RK Bisht, Avinav Bharati, Pratik Kumar, Evaluating skin reactions in patients undergoing fluoroscopic interventional procedures: A study utilising indirect dose measurements, Annual Conference of Association of Medical Physicists of India, AMPICON2024, 8-10 November 2024., Sevalal Banjara Bhawan, Hyderabad
6. Binjola A, Sharma N, Subramani V, Gopishankar N, Bisht RK, Gupta A, Sharma DN, Kumar P, Singh S, Chawala R., Rheological and tensile properties of a novel radiotherapy gel bolus, 4th Research Day Celebration, 29-30 January 2025., AIIMS, New Delhi
7. Binjola A, Suibramani V, Gopishankar N, Bisht RK, Sharma DN, Kumar Pratik, Singh S, Development of a 3D-printed heterogeneity phantom for enhanced patient specific dosimetry for hypofractionated radiotherapy, 4th Research Day Celebration, 29-30 January 2025., AIIMS, New Delhi

ORAL PAPERS/POSTERS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
4	6	7

Onco-Anaesthesia& Palliative Medicine

1. Alam Shabnam, Suhana Revathy, Sanjeev, Mishra Seema, Bhatnagar Sushma, Palliative Care In Motor Neuron Disorders.", 8th DELHI IAPC CME on Neuropalliative care at AIIMS, 14 October 2024, AIIMS, New Delhi
2. Allwin J, Sanjeev, Revathy, Suhana, Mishra Seema, Bhatnagar Sushma, "Palliative Care In Stroke Patients", 8th DELHI_IAPC CME on Neuropalliative care, 14 October 2024, AIIMS, New Delhi
3. Anjali Govid, Mishra Seema, Maurya Prateek, Himanshu, Dr. Mukesh Yadav., "Assessing the outcome of patients undergoing percutaneous transhepatic biliary drainage with malignant obstructive jaundice in a tertiary care centre in India: a retrospective study.", IAPCON 2025, 29-31 January 2025, JAMMU AIIMS
4. Anjali Govind, Revathy, Sanjeev, Suhana, Mishra Seema, Bhatnagar Sushma, "Palliative Care in Chronic Neurological Disease", 8th DELHI_IAPC CME on Neuropalliative care, 14 October 2024, AIIMS, New Delhi
5. Anushka Suhana, Revathy Sanjeev, Mishra Seema, Bhatnagar Sushma, "Palliative Care Approaches In Parkinson's Disease: Enhancing Qol", 8th DELHI IAPC CME on Neuropalliative care, 14 October 2024, AIIMS New Delhi
6. Choudhary Anushka, Vijayakumar Revathy, Kumar Sanjeev, Varshney Himanshu, Pangaria Bhawesh, Susan Neethu, et al, "Navigating Cancer Care For Elderly", 4th CME of Delhi State Chapter of IAPC Geriatric Palliative Care: Guiding light through life's transitions, 27 April 2024, AIIMS, New Delhi
7. Mishra Abhilasha, Mishra Seema, Bharti Sachidanand Jee, Godhwal Poonam, Hadda Vijay*, Tiwari Pawan*, "Anaesthetic concerns and trouble shooting for whole lung lavage in a tertiary care centre: A case series", PLUMOCRIT 2025, 22 March 2025, AIIMS, New Delhi
8. Mishra Abhilasha, Mishra Seema, "Palliative surgery for advanced cancer in tertiary care cancer center in one year", IAPCON 2025, 29-31 January 2025, Jammu, AIIMS
9. Ratre Brajesh Kumar, Bhatnagar Sushma, Gupta Nishkarsh, Maurya Prateek, Perioperative Pain management strategies for cancer patients with opioid tolerance, World Pain Congress, IASP 2024, 4-9 August 2024, Amsterdam, Netherlands
10. Sahoo Manisha, Ratre Brajesh, Mishra Seema, Overcoming the Ceiling Effect of Propofol: A Case Report on Dexmedetomidine as a Synergistic Agent in Long-Term use of propofol based TCI, PLUMOCRIT 2025, 22 March 2025, AIIMS, New Delhi
11. Sandil Surabh, Mishra Seema, Bhatnagar Sushma, Garg Rakesh, Gupta Nishkarsh, Bharti Sachidanand Jee, Kumar Vinod, Ratre Brajesh, Pandit Anuja, Saurabh Vig, "Outcomes Of Cancer Patients Requiring Intensive Care Unit Admission At Tertiary Care Centre India: A Retrospective Study.", PLUMOCRIT 2025, 23 March 2025, AIIMS, New Delhi
12. Sanjeev Kumar, Mishra Seema, Sulfiker Suhana, Sachdeva Anu, Aggarwal Ramesh, Palliative Care In Neonatal End-Of-Life Management- A Case Series, IAPCON 2025, 30 January-3 February 2025, Jammu, AIIMS

13. Sharma Mehak, Mishra Seema, Garg Rakesh, Gupta Nishkarsh, Bharti Sachidananad Jee, Ratre Brajesh, "Postoperative Pulmonary Complications and Associated Outcomes in Cancer Patients Requiring Intensive Care Unit Admission Postoperatively After Onco-Surgery At A Tertiary Care Centre In India: A Retrospective Study, PLUMOCRIT 2025, 23 March 2025, AIIMS, New Delhi
14. Vaisakh, Revathy, Sanjeev, Suhana, Mishra Seema, Bhatnagar Sushma, "Palliative Care Concepts, Needs And Disease Trajectory Of Neurology Patient.", 8th Delhi-IAPC CME Neuropalliative Care, 14 October 2024, AIIMS, New Delhi

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–24	2024–25
13	19	14

Preventive Oncology:

1.* Pallavi Shukla*, Harsh Priya, Jitendra Kr Meena, Mohan Bairwa, Sanjay Singh, Archana Singh, Readiness and motivation of Accredited Social Health Activists (ASHA) towards engagement in cancer control program, 51st Annual National Conference of Indian Association of Preventive and Social Medicine, 08 February 2024, Mangalore
2. Sujata Pathak, Neerja Bhatla, DN Sharma, Pallavi Shukla, Pranay Tanwar, Detection of circulating tumor DNA (ctDNA) from high-risk types of human papillomavirus (HPV) before and after chemoradiotherapy in women with cervical cancer., AOGIN 2024, 12 July 2024, Seoul, Korea

*Won best e-poster

If any award mention in footnote

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
2	2	2

Radiation Oncology:

1. Bhasker S, Long er S Oncologyal/poster presentations from high-risk types of human papillomavirus (HPV) beLAHNSCC, New Zealand Society of Oncology (NZSO) Conference 2024, 17-19 October 2024, Auckland, New Zealand
2. Gupta S, Oncologic outcome and pattern of care in pediatric craniopharyngioma, NZSO Conference, 17-19 October 2024, Auckland, New Zealand
3. Saad F, Vjaters E, Shore ND, Olmos D, Xing N, Gomes A.J.P.D.S., Mota A.C.A., Salman P, Jievaltas M, Ulys A, Jakubovskis M, Kopyltsov E, Han W, Nevalaita L, Testa I, Le Berre M-A, Kuss I, Haresh KP., Efficacy and safety of darolutamide plus androgen-deprivation therapy (ADT) in patients with metastatic hormone-sensitive prostate cancer (mHSPC) from the phase 3 ARANOTE trial, ESMO Congress 2024, 13-17 September 2024, Barcelona, Spain
4. Biswas A, Rajasekaran D, Raut S, Rohan A, Gupta AK, Sahoo R, Seth R, Bakhshi S., Volumetric modulated arc therapy based myeloablative total body irradiation in paediatric, adolescent and young adult patients with high risk or relapsed/ refractory haematological malignancies., 56th Congress of the International Society of Paediatric Oncology (SIOP), October 2024, Honolulu, Hawaii, USA
5. Ganguly S, Sasi A, Nagpal C, Biswas B, Khan SA, Kumar VS, Kapoor L, Biswas A, Pushpam D, Bakhshi S., Clinical Presentation and Survival Outcomes of Ewing Sarcoma of Hand and Feet: A Retrospective Institutional Analysis of 28 Cases of a Rare Subsite, 56th Congress of the International Society of Paediatric Oncology (SIOP), October 2024, Honolulu, Hawaii, USA
6. Mukherjee S, Jain V, Bakhshi S, Yadav D, Dhua A, Goel P, Srinivas M, Biswas A, Thulkar S, Jana M, Kanadasamy D, Agarwala S., A prospective study of 2 decades experience of uniformly treated stage III Wilms tumour from a low middle-income country., 56th Congress of the International Society of Paediatric Oncology (SIOP), October 2024, Honolulu, Hawaii, USA

7. Luthra T, Yadav D, Jain J, Bakhshi S, Dhua A, Goel P, Srinivas M, Biswas A, Thulkur S, Jana M, Kandasamy D, Agarwala S., Outcomes of bilateral Wilms tumor treated on AIIMS-WT-99 protocol: reasons for poorer outcomes in a LMIC., 56th Congress of the International Society of Paediatric Oncology (SIOP), October 2024, Honolulu, Hawaii, USA
8. Agarwala S, Mukherjee S, Jain V, Bakhshi S, Yadav D, Dhua A, Goel P, Srinivas M, Biswas A, Thulkar S, Jana M, Kanadasamy D., Effect of tumor spill on outcome in non-metastatic (NM) unilateral (UL)Wilms tumor (WT)., 56th Congress of the International Society of Paediatric Oncology (SIOP), October 2024, Honolulu, Hawaii, USA
9. Kulkarni K, Jain V, Bakhshi S, Yadav D, Dhua A, Goel P, Srinivas M, Biswas A, Thulkur S, Jana M, Kandasamy D, Agarwala S., Outcomes of extracranial malignant germ cell tumors (MGCT) in children: single centre experience of three decades from a tertiary centre in low- and middle-income country (LMIC)., 56th Congress of the International Society of Paediatric Oncology (SIOP), October 2024, Honolulu, Hawaii, USA
10. Das N, Saini SK, Sharma DN, Kamboj K, Khurana S, Shamim SA, Pramanik R, Rajasekaran D, Kataria B, Praveen DVS, Sathapathy S, Singhal S, Bone marrow sparing extended field chemoradiation with ddNACT in stage IIIC2 carcinoma cervix: a phase II study (Poster Discussion), ESTRO 2024, 03-07 May 2024, Glasgow, UK
11. Saini SK, Sharma DN, Seth R, Chawla B, Lomi N, Shamim SA, Radiation therapy for salvage of solitary late retinoblastoma metastases, ISOO-2024, 03-07 December 2024, Goa
12. Panday H, Haresh K P, Gupta S, V.R AAnjali V.R, Management of a Rare Recurrent Supratentorial Brain Tumor: A Case Report (POSTER), 15th Annual Conference of Indian Society of Neuro-Oncology ISNOCON 2024, Chandigarh, 5-7 April 2024, Chandigarh
13. Panday H, Haresh K P, Gupta S, V.R AAnjali V.R, Malignant Astroblastoma in Pregnancy: A Case Report (POSTER), 15th Annual Conference of Indian Society of Neuro-Oncology ISNOCON 2024, Chandigarh, 5-7 April 2024, Chandigarh
14. Ramdulari AV, Ravi A, Dutta A, Suri V, Phalak M, Parambath HK, Gupta S, Long-term outcomes of paediatric and adult craniopharyngioma treated with multimodality approach. Radiotherapy and Oncology. 1 May 2024;194:S915-6 (POSTER), European Society for Radiotherapy and Oncology, 3-7 May 2024, Glasgow, United Kingdom
15. Sreejesh M, Natanasabapathi G, Biswas A, Manivannan P, Rajendran M, Rajasekaran D, Subramani V, Sharma DN, Comparative study of various homogeneity indices in SIB-VMAT planning for head and neck tumors., ESTRO2024, 3-7 May 2024, Glasgow, UK
16. Natanasabapathi G, Rajasekaran D, Maninathan M, Subramani V, Sharma DN, Kale SS, Inhouse developed dose verification phantom and film analysis software for gamma knife radiosurgery., AAPM2024, 21-25 July 2024, LA, USA
17. Natanasabapathi G, Manivannan P, Rajendran M, Bisht KS, Jeena HS, Subramani V, Singh M, Sharma DN, Kale SS, Preliminary experience of mask-based fractionated treatment in gamma knife ICON., 16th International Stereotactic Radiosurgery Society Congress., 12-15 May 2024, New York, USA
18. Natanasabapathi G, Sreejesh M, Subramani V, Gupta S, Singh M, Sharma DN, Kale SS, Striking the Balance: Analyzing plan quality of gamma knife and L-VMAT for diverse brain lesions, 16th International Stereotactic Radiosurgery Society Congress., 12-15 May 2024, New York, USA
19. Sushant S, Sharma DN, Pandey R, Shankar A et al., Long-Term Results of Randomized Control Trial for Multiple Application vs Single Application Image-Guided Intracavitary Brachytherapy in Cervical Cancer, ASTRO 2023, 1-4 October 2023, San Diego, USA
20. Dagar G, Gupta A, Chauhan R, Shankar A, Sharma DN, Macha MA, Bhat AA, Goyal R, Suri V, Singh. M, Development of liquid biopsy HPV (Human Papilloma Virus) cell free DNA (cfDNA) based approach for prognosis of cervical cancer, American Association for Cancer Research Annual Meeting 2024, 5-10 April 2024, San Diego, USA

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
		20

Surgical Oncology:

1. Amitabha Mandal, SVS Deo, Sandeep Bhoriwal, Ashutosh Mishra, Jyoti SharmaJyoutishmanSaikia, Chinmay Bagla, How to prepare an Critical analysis of the pattern of recurrences in 5340 breast cancer patients in a tertiary cancer centre in North India., IASO – NATCON 2024, 26-29 September 2024, Bengalure
2. Oral paper: Sharma J, Deo SVS, Kumar S, Bhoriwal S, Mishra A, Thulkar S, Bakhashi S, Sharma DN, STS Data, IASO NATCON, 27 September 2024, Bengaluru
3. Ashutosh Mishra Raghuram K, SVS Deo, Sandeep Bhoriwal, Sunil Kumar, Do all the Gall bladder cancer patients with stage IV have similar outcomes? and Prognostic factors affecting the survival of surgically treated Gall bladder cancer patients (oral paper presentation), International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, 27 August 2024, Kuala Lumpur, Malaysia
4. Ashutosh Mishra, Amit Kumar, Babul Bansal, Sunil Kumar, Surgical and aesthetic outcomes of chest wall perforator transposition flaps in partial breast reconstruction, Society of Surgical Oncology, SSO 2025, Tampa, 26-29 March 2025, Florida USA
5. Ashutosh Mishra, Pranjal Bhantia, Babul Bansal, M D Ray, Feasibility and Accuracy of Sentinel Lymph Node Biopsy (SLNB) in Primary Epithelial Ovarian Cancer (PEOC) (FIGO Stage I-III) - A Prospective Pilot Study, Society of Surgical Oncology, SSO 2025, Tampa, 26-29 March 2025, Florida USA
6. Ashutosh Mishra, Raghuram K, SVS Deo, Sandeep Bhoriwal, Sunil Kumar, "Is Incidental gall bladder cancer in endemic region truly incidental? Long- term oncological outcomes of Incidental gall bladder cancer patients following curative resection" titled (oral paper presentation), International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, ISDS Kitajima Prize session. (Best 4 Abstracts), 27 August 2024, Kuala Lumpur, Malaysia
7. Ashutosh Mishra, SVS Deo, Sunil Kumar, Prospective Study Evaluating Feasibility, Cosmetic Outcomes, Stress, Satisfaction Levels and Quality of Life in Patients Undergoing Risk Reducing Surgery at Tertiary Care Cancer Centre in LMIC" (oral paper presentation), International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, Breast Surgery International (BSI) Free paper Prize Session, 28 August 2024, Kuala Lumpur, Malaysia
8. Chinmay Bagla, Ashutosh Mishra, Babul Bansal, Jeena Josephine, Raja Pramanik, SVS Deo, Current Landscape and Challenges of Breast Cancer Genetics at a Tertiary Care Centre in India, IASO NATCON, September 2024, Bangalore,
9. Chinmay Bagla, Ashutosh Mishra, SVS Deo, Sandeep Bhoriwal, Jyoti Sharma, Scope of post NACT SLNB in LABC in Indian patients. Will it de-escalate ALNDs? Analysis of 1998 Indian breast cancer patients, ABSICON 2024, 2-4 August 2024, Lucknow,
10. Bittu Bhukkal and MD Ray, e-Poster Presentation: Role Of RPLND in Advanced Ovarian Cancer, 37th NATCON: 2024, 26-29 September 2024, Bengaluru
11. Bittu Bhukkal, SVS Deo, Sunil, Sandeep, Naveen, Amitabaha and Chandan, Oral Presentation: Demographic profile, surgical outcome, recurrence pattern, and long-term survival of 123 Gastroesophageal junction tumors from a tertiary cancer care center in North India, 6th OFCON: 2023, 2-3 December:2023, Delhi
12. BittuBhukkal, Dr SVS Deo, Dr Sunil Dr Naveen and Dr Amitabaha, Poster Presentation: D2 lymphadenectomy in 199 patients for gastric cancer; A study of feasibility, morbidity, mortality, recurrence pattern and survival., 6th OFCON: 2023, 2-3 December 2023, Delhi
13. BittuBhukkal, Dr SVS Deo, Dr Sunil Kumar, Dr Sandeep, Dr Manish and Dr Madiwalesh, Oral Presentation: Lymph Node Dissection in Malignancies of Oral Cavity – Are Current Guidelines Optimal? An Analysis of 1926 Cervical Lymph Node Dissections, MAX CANCER CONGRESS: 2023, 29 April 2023, Delhi
14. BittuBhukkal, Prof Dr SVS Deo, Oral Presentation: Innovative Diagnostics: Assessing Fluorescence Dye and spectroscopy in oral cancer: A Pilot Study, 37th NATCON: 2024, 26-29 September 2024, Bengaluru
15. MD Ray, Current Status of HIPEC in Colorectal Cancer, OFCON 2024-2025, 19 January 2025, New Delhi
16. MD Ray, Does Incisional hernia reducible in patients undergoing Cytoreductive Surgery and HIPEC: An observational clinical study from a tertiary oncology center, India, 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, 26-28 September 2024, Lyon, France
17. MD Ray, HIPEC in Colo-Rectal Malignancies, ONCOVISION 2025 – Future Oncology, 19 January 2025, New Delhi

18. MD Ray, HIPEC-Anevolving treatment approach for Peritoneal Surface Malignancies, ICA Webinar: HIPEC Symposium, 04 December 2024,
19. MD Ray, How HIPEC plays a role along with CRS in all settings of advanced Epithelial Ovarian Cancer: A pilot study on genetic point of view., 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, 26-28 September 2024, Lyon, France
20. MD Ray, Life Style Choices in Cancer Prevention, Cancer Screening & Awareness Camp, 16 March 2025, New Delhi
21. MD Ray, Partial Penectomy and Groin Dissection: Anatomy, Steps and Video, CME in Surgery 2024, 4 September 2024, AIIMS, New Delhi
22. MD Ray, Peritoneal Mesothelioma: Current Management and Future Directions, CME 2024: Cancer and beyond, 29-30 November 2024, Kolkata
23. MD Ray, Role of CRS HIPEC in Carcinoma Ovary where we stand today- With our experience from a tertiary referral oncology centre, India., 14th International Congress on Peritoneal Surface Malignancies: PGOSI-ISSPP 2024, 26-28 September 2024, Lyon, France
24. MD Ray, Role of HIPEC in Peritoneal Surface Malignancies, IASO North Zonal Conference 2025, 21-22 February 2025, Rishikesh
25. MD Ray, Role of HIPEC in the treatment of Ovarian Cancer: Current Evidence & Future Perspectives, Homi Bhabha Cancer Conclave 2024, 24-25 August 2024, New Chandigarh
26. MD Ray, Sentinel Lymph nodes gynaecological cancers: Current status and the way forward, Beyond the Blade: Advancements in Gynae-Oncology, 23 March 2025, New Delhi
27. MD Ray, Video Presentation – SUBDIAPHRAGMATIC PERITONECTOMY - How I do it?, IASO Midterm Conference 2025, 8-10 February 2025, Puri
28. MD Ray, Yoga in Cancer Care: Scope, Evidence and Evolution, 11th International Conference, Kaivalyadhama Yoga Institute and Research Centre, 4 -7 December 2024, Lonavala
29. Oral paper, Amitabha Mandal, Raghuram K, Sunil Kumar, SVS Deo, Sandeep Bhoriwal, Long-term survival outcome and prognostic factors affecting the survival of curatively treated gall bladder cancer patients, IHPBA – Kolkata 2025, 20-23 March 2025, Kolkata
30. Oral paper, Amitabha Mandal, Raghuram K, Sunil Kumar, SVS Deo, Sandeep Bhoriwal, Relapse pattern and its management of gall bladder cancer patients following curative resection - An analysis of long term follow up data from single centre, IHPBA – Kolkata 2025, 20-23 March 2025, Kolkata
31. Oral paper, Amitabha Mandal, Sunil Kumar, Naveen Kumar, SVS Deo, Sandeep Bhoriwal, Shivani Kapila, Atul Sharma, Sushmita Pathy, Neo-adjuvant chemotherapy - A Potential treatment option for SCC of the Esophagus in Indian population - RCT conducted at a tertiary cancer centre in North India, IASO – NATCON 2024, 26-29 September 2024, Bengalure
32. Oral paper, Amitabha Mandal, SVS Deo, Sandeep Bhoriwal, Ashutosh Mishra, Jyoti SharmaJyoutishmanSaikia, Chinmay Bagla, Critical analysis of the pattern of recurrences in 5340 breast cancer patients in a tertiary cancer centre in North India., IASO – NATCON 2024, 26-29 September 2024, Bengalure
33. Oral paper: Sharma J, Deo SVS, Kumar S, Bhoriwal S, Mishra A, Sharma A, Pathy S, Bhatnagar S, SCRT vs LC CRT in 350 rectal cancer patients: Audit of experience from Indian Tertiary Care Cancer Center, International Surgical Week, 29 August 2024, Kuala lumpur, Malaysia
34. Oration: Dr Sunil Kumar, Thoracic Oncology Surgery: the Journey and the Learnings, Surgery CME 2024, 5 September 2024, New Delhi

1. UICC Technical Fellowship Award 2024, Geneva, Ashutosh Mishra, Breast Cancer surgery focusing on Partial and Whole breast reconstruction., NHS, UK
2. FARIS 2023- Third rank in Fellowship exam, Ashutosh Mishra, Fellow – Association of Robotic and Innovative surgeons of India, India
3. ISDS Kitajima Prize session. (Best 4 Abstracts) International Surgical week (ISW 2024) 50th World Congress of the International Society of Surgery ISS/SIC, Kuala Lumpur, Malaysia, Ashutosh Mishra Sunil Kumar, “Is Incidental gall bladder cancer in endemic region truly incidental? Long- term oncological outcomes of Incidental gall bladder cancer patients following curative resection” titled oral paper presentation, Kuala Lumpur, Malaysia
4. Surg Onc Bowl Competition Runner up, Ashutosh Mishra, SSO 2025, Tampa, Florida

5. IASO -ESSO Fellowship award, Chinmay Bagla, Ashutosh Mishra, Current Landscape and Challenges of Breast Cancer Genetics at a Tertiary Care Centre in India, NATCON, Bangalore, September 2024
6. Best poster award, Chinmay Bagla, Ashutosh Mishra, SVS Deo, Sandeep Bhoriwal, Jyoti Sharma, Scope of post NACT SLNB in LABC in Indian patients. Will it de-escalate ALNDs? Analysis of 1998 Indian breast cancer patients, ABSI, Lucknow, 2024
7. Best Poster Presentation, Meenu Rani Prof M D Ray, Role of CRS + HIPEC in ca ovary where we stand today – with our experience from tertiary refwrral oncology centre, India, ASOCON 2024
8. Oral Presentation, 4th prize, Meenu Rani Prof M D Ray, Role of CRS + HIPEC in ca ovary where we stand today – with our experience from tertiary refwrral oncology centre, India, OFCON 2025, 18-19 January Apollo Hospitals, New Delhi
9. Poster Presentation, Meenu Rani Sandeep Bhoriwal, Shivani Kapila, Gurpreet Singh, Amit Kumar, Sunil Kumar, Comparative analysis of Open Vs Minimally invasive surgery in esophagectomy patients, OFCON 2025, 18-19 January Apollo Hospitals, New Delhi
10. Best Oral Presentation, Meenu Rani Jyoti Sharma, SVSDeo, Sunil Kumar, Jyoutishman Saikia, Sandeep Bhoriwal, Ashutosh Mishra, Pulmonary Metastasis in patients with soft tissue sarcoma – Tailoring the Treatment, MIDCON 2025, 8-10 February Puri
11. Best Oral Presentation, Meenu Rani, Jyoti Sharma, SVS Deo, Sunil Kumar, JyoutishmanSaikia, Sandeep Bhoriwal, Ashutosh Mishra, A decade of follow up of ypung NSCLC Patients in India. Is it time to rinf alarm ?, MIDCON 2025, 8-10 February Puri
12. Best Paper Award, Dr BittuBhukkal, Dr SVS Deo, Dr Sunil, Dr Sandeep, Dr Naveen, Dr Amitabaha and Dr Chandan, Oral Presentation: Demographic profile, surgical outcome, recurrence pattern, and long-term survival of 123 Gastroesophageal junction tumors from a tertiary cancer care center in North India, 6th OFCON: 2023
13. Best Paper Award, Dr BittuBhukkal, Prof Dr SVS Deo, Oral Presentation: Innovative Diagnostics: Assessing Fluorescence Dye and spectroscopy in oral cancer: A Pilot Study, 37th NATCON :2024

LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
54	50	40

Research

DCR

(On going)

1. Establishment of Hospital based Cancer Registries and patterns of care and survival studies on Cancer Breast, Cancer Cervix and Head & Neck Cancers, Dr. Sunil Kumar, National Cancer Registry Programme, National Centre for Disease Informatics and Research, Indian Council of Medical Research, Bangalore, 12 Years, 2014, Rs 47 Lakhs per annum(approx.)
2. Population Based Cancer Registry in India, Dr. Sunil Kumar, National Cancer Registry Programme, National Centre for Disease Informatics and Research, Indian Council of Medical Research, Bangalore, 3 Years, 2024, Rs 31,36,392/- per annum (approx..)

Diagnostic and Interventional Onco-Radiology

Funded projects

Ongoing

1. Comparison of combined diffusion weighted and non-contrast MRI with contrast-enhanced MRI in staging of endometrial carcinoma, Ekta Dhamija (Co-PI), Intramural (AIIMS), 2 Years, 2024-2026, Rs 31.50 Lakhs
2. Comparison of methods of margin delineation for vacuum - Assisted excision in breast cancer patient with radiological complete response post neoadjuvant chemotherapy, Krithika Rangarajan, Intramural (AIIMS), 2 Years, 2023-2025, Rs 4.06 Lakhs
3. Development of a non-invasive machine learning based method for predicting axillary lymph node metastasis in breast cancer patients using ultrasound, Ekta Dhamija (Co-PI), ICMR, 3 Years, 2024-2027, Rs 82.31 Lakhs
4. Diagnostic and Prognostic value of cell free DNA in epithelial ovarian cancer- A cohort study, Ekta Dhamija (Co-I), ICMR, 3 Years, 2023-2025, Rs 96.80 Lakhs

5. Feasibility of volumetric response assessment to therapy in metastatic lesions in solid organs with AI assistance., Krithika Rangarajan, Intramural (AIIMS), 2 years, 2025-2026, Rs 1 Lakh
6. Indigenous design and fabrication of auxetic vascular stents using the laser powder-bed fusion techniques- a pilot study, Chandrashekhara S H, AIIMS-IIT Delhi project, 2 Years, 2024-2025, Rs 10 Lakhs
7. Pilot study on Imaging parameters and metabolomic profiling in Breast cancer patients, Ekta Dhamija (PI), Intramural Collaborative (AIIMS), 2 Years, 2023-2025, Rs 15.36 Lakhs
8. Role of contrast enhanced mammography in dense breast, Ekta Dhamija, Intramural (AIIMS), 2 Years, 2024-2026, Rs 2 Lakhs
9. Role of contrast enhanced ultrasound in characterization of axillary nodes in patient with breast cancer, Ekta Dhamija, Intramural (AIIMS), 2 Years, 2024-2026, Rs 2 Lakhs
10. Strengthening Healthcare National Programs with Artificial Intelligence, Krithika Rangarajan, MoE, 1 Year (phase 1), 2024-2025, Rs 200 Lakhs

Funded Projects

Completed

1. Artificial Intelligence in COVID: Whom to treat, Whom to test, how to treat, Krithika Rangarajan, AIIMS Intramural, 1 Year, 2020-2021, Rs 2 Lakhs
2. Artificial Intelligence in detection of cancer on mammography in the Indian Scenario, Krithika Rangarajan, DBT, 3 Years, 2020-2023, Rs 80 Lakhs
3. Diagnostic accuracy of Contrast enhanced Ultrasound in detecting early response to Neoadjuvant Chemotherapy in Breast cancer patients, Ekta Dhamija, AIIMS Delhi intramural project, 2 Years, 2019-2021, Rs 8 Lakhs

Laboratory Oncology

Funded projects

Ongoing

1. To establish Cryopreservation system for Multiple Myeloma (MM) cells, Dr. Ritu Gupta, FMER, United States, 2 years, 2023-2025, Rs 40, 00, 925/-
2. Targeting the tumor Microenvironment for novel therapeutic approaches in Multiple Myeloma (MM), Dr. Ritu Gupta, DST-SERB, 3 years, 2022-2025, Rs 59,78,368/-
3. Centre for Advanced Research & Excellence in Leukemic Stem Cells (LSC) for Prognosis and Treatment (CARE-LSCPT) in Acute Myeloid Leukemia., Dr. Ritu Gupta, ICMR, 5 Years, 2019-2025, Rs 563.97 Lakhs
4. To determine the incidence and prevalence of second primary malignancies (SPMs) both preceding or following CLL diagnosis and their impact on the disease course and overall survival (OS), Ritu Gupta, Harmony Alliance, 2 Years, 2023-2025, Rs 18.67 Lakhs
5. A prospective study to elucidate genetics, clinical and molecular factors in gall bladder carcinoma in Indian patients, Dr Pranay Tanwar, Cancer Foundation, 7 Years, 2017-2024, Rs 40 Lakhs
6. Cellular functions and clinical significance of NRf2 signaling T-ALL, Dr. Anita Chopra, DHR, 3 Years, 2021-2024, Rs 52 Lakhs
7. DBT-Wellcome trust intermediate career fellowship, Dr. Anita Chopra, DBT Wellcome India Alliance, 5 Years, 2018-2024, Rs 386 Lakhs
8. Deciphering the molecular mechanisms of cell adhesion and chemoresistance in BCR-ABL positive B-cell acute lymphoblastic leukemia (B-ALL) and B-lymphoid blast phase of chronic myeloid leukemia (CML) carrying IKZF1 mutations, Sanjeev Kumar Gupta, AIIMS-IIT Delhi, 2 Years, 2023-2025, Rs 20 Lakhs
9. Development of Electrochemical biosensor for detection of circulating tumor DNA mutations in Acute myeloid leukemia., Deepshi Thakral, ICMR, 3 Years, 2022-2025, Rs 41.61 Lakhs
10. Identification of neoantigens for T cell therapy for Chronic Lymphocytic Leukemia (CLL), Gurvinder Kaur, ICMR, 3 Years, 2022-2025, Rs 108 Lakhs
11. Role of Cancer Testis Antigen gene (CT45) as a Diagnostic and Prognostic biomarker in Ovarian Cancer, Harshita Dubey/Dr. Amar Ranjan, ICMR- SRF, 3 Years, 2023-2025, SRF Scheme
12. Study of expression, function, and clinical significance of DNA damage repair pathway genes in acute lymphoblastic leukemia', Dr. Anita Chopra, ICMR, 3 Years, 2023-2026, Rs 56 Lakhs

13. Study of prevalence and profile of predictive and prognostic molecular genetic aberrations in BCR-ABL1 negative B-cell acute lymphoblastic leukemia (B-ALL): A step towards personalized medicine, Sanjeev Kumar Gupta, DHR, 3 Years, 2021-2024, Rs 30 Lakhs
14. To evaluate the diagnostic and prognostic utility of Extracellular Vesicles as composite biomarkers in AML diagnosis, Deepshi Thakral, AIIMS, Intramural Research Grant, 2 Years, 2025-2027, Rs 10 Lakhs
15. Understanding the role of RhoBTB2 in acute myeloid leukemia, Anita Chopra, SERB, 3 Years, 2022-2025, Rs 51 Lakhs
16. Utility of DDPCR as novel method to detect CT-DNA in Head & Neck Cancer, Dr Pranay Tanwar, ICMR, 3 Years, 2022-2026, Rs 43 Lakhs

Completed

1. Analysis of expression of biomarker in ovarian cancer, Dr. Amar Ranjan, AIIMS, New Delhi, 2 Years, 2019-2021, Rs 10 Lakhs
2. Development of risk-stratification algorithm to select BCR-ABL1 negative pediatric B-ALL patients for detailed genetic analysis- a step towards optimum use of next generation sequencing platform, Sanjeev Kumar Gupta, ICMR, 3 Years, 2020-2023, Rs 49.50 Lakhs
3. Early immature T-lymphoblastic leukemia (ALL): evaluation of early thymic precursor T-ALL immunophenotype, absence of biallelic deletion of TCR γ chains (ABD) and expression of MEF2C as predictors of treatment response as assessed by minimal residual disease determination., Dr. Anita Chopra, DST, 3 Years, 2015-2019, Rs 20.16 Lakhs
4. Elucidation of role of TOX in T-ALL, Dr. Anita Chopra, DHR, 3 Years, 2020-2023, Rs 30 Lakhs
5. Evaluation of HE4 level in epithelial ovarian cancer for diagnosis & monitoring of therapy, Dr. Amar Ranjan, ICMR, New Delhi, 5 Years, 2017-2022, Rs 70 Lakhs
6. Evaluation of thrombopoietin as a marker of sepsis in post operative cases of gastrointestinal malignancy, Amar Ranjan, ICMR, New Delhi, 5 Years, 2017-2022, Rs 40 Lakhs
7. Molecular biology of cytogenetically normal AML, Anita Chopra, DBT, 3 Years, 2014-2018, Rs 55 Lakhs
8. Molecular determinants of prednisolone sensitivity in pediatric acute lymphoblastic leukemia., Anita Chopra, AIIMS intramural, 2 Years, 2016-2019, Rs 80 Lakhs
9. Prognostic evaluation of thrombopoietin following surgery in gastrointestinal cancer patients, Dr. Amar Ranjan, Oncology Forum, New Delhi, 1 Year, 2018-2019, Rs 1.50 Lakhs

Medical Oncology

Ongoing

1. "A Phase III, Open-Label, Multicenter, Randomized Study Evaluating The Safety And Efficacy Of Polatuzumab Vedotin In Combination With Rituximab Plus Gemcitabine Plus Oxaliplatin (R-Gemox) Versus R-Gemox Alone In Patients With Relapsed/Refractory Diffuse Large B Cell Lymphoma (Stage 2)", Dr. Sameer Bakhshi, Roche Products (India) Private Limited, 3 Years, 2021-Ongoing, Rs 2.92 Lakhs (per patient)
2. 165 rDNA amplicon and metagenomic nonopore sequencing for rapid detection of bacterial pathogens in febrile neutropenia for pediatric acute leukemia and hematopoietic stem cell transplantation, Dr. Sameer Bakhshi, ICMR, 1 Year, 2024-Ongoing, Rs 31.21 Lakhs (One year)
3. A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study of Acalabrutinib in Combination with Rituximab, Cyclophosphamide, Doxorubicin, Vincristine and Prednisone (R-CHOP) in Subject ≤ 70 Years with Previously Untreated Non-Germinal Center Diffuse Large B-Cell Lymphoma., Dr. Sameer Bakhshi, Azerta, 1 Year, 2023-Ongoing, Rs 8.28 Lakhs (One year)
4. A Randomized, Open-Label Study of the Efficacy and Safety of Galinpepimut-S (GPS) Maintenance Monotherapy Compared to Investigator's Choice of Best Available Therapy in Subjects with Acute Myeloid Leukemia Who Have Achieved Complete Remission After Second-Line Salvage Therapy, Dr. Sameer Bakhshi, SELLAS, 5 Years, 2022-Ongoing, Rs 8.13 Lakhs per patient
5. Childhood Cancer Survivorship Program, Dr. Sameer Bakhshi, CanKids KidScan, 5 Years, 2020-Ongoing, Rs 12 Lakhs
6. Deciphering gene networks associated with altered mitochondrial DNA copy number for identification of novel potential therapeutic targets in pediatric AML, Dr. Sameer Bakhshi, DST SERB, 3 Years, 2022-Ongoing, Rs 58 Lakhs

7. Decoding mitochondrial heterogeneity and deciphering potential therapeutic targets in pediatric acute myeloid leukemia, Dr. Sameer Bakhshi, ICMR, 3 Years, 2023-Ongoing, Rs 54 Lakhs
8. Developing Artificial Intelligence based model for detection of malignant potential of pulmonary nodules in sarcoma using computed tomographic imaging and its prospective validation, Dr. Sameer Bakhshi, ICMR, 2 Years, 2023-Ongoing, Rs 67.50 Lakhs
9. Establishing a nutritional counseling program and developing a nutritional database in pediatric patients with cancer, Dr. Sameer Bakhshi, Cuddle Foundation, 10 Years, 2016-Ongoing, Rs 13.37 Lakhs
10. Estimation of the prevalence of Epstein Barr virus positivity in aggressive mature B-Non-Hodgkin lymphoma in the Indian subcontinent and deciphering the genetic basis of its impact on disease biology and survival, Dr. Sameer Bakhshi, ICMR, 3 Years, 2023-Ongoing, Rs 2.64 Lakhs
11. Improving Survival in Childhood Acute Lymphoblastic Leukemia in India (ISCALL): ICiCLe Implementation Study, Dr. Sameer Bakhshi, ICMR, 1 Year, 2023-Ongoing, Rs 20.89 Lakhs (One year)
12. Indian Childhood collaborative leukaemia group multicentre national standardization study for newly diagnosed acute lymhoblastic leukemia (ALL), Dr. Sameer Bakhshi, National Cancer Grid, 9 Years, 2017-Ongoing, Rs 57.6 Lakhs
13. Molecular and Pharmacogenetic marker evaluation in relation to the toxicity and clinical response of acute lymphoblastic leukemia treatment in Indian children (MPGx-INDALL), Dr. Sameer Bakhshi, DBT, 4 Years, 2023-Ongoing, Rs 69.252 Lakhs

Completed

1. A Randomized, Multiple-dose, Multicenter, Comparative Parallel Study to Evaluate the Pharmacokinetic, Pharmacodynamic, Efficacy and Safety of Subcutaneous Injection of Denosumab (Hetero) and Reference Medicinal Product (Denosumab, Amgen Inc.) in patients with bone metastases from solid tumors., Dr. Sameer Bakhshi, Hetero Biopharma Limited, 2 Years, 2022-2024, Rs 2.96 Lakhs per patient
2. A Randomized, Active-Controlled, Multicenter, Open label, Two Arm Study to Assess Safety, Efficacy, Pharmacodynamics, and Pharmacokinetics with Pegfilgrastim PFS of Intas Pharmaceutical Limited Compared with Neupogen® Injection in Paediatric Patients Under 6 Years of Age with Rhabdomyosarcoma or Wilms' Tumour on Myelosuppressive Chemotherapy (CmT) Regimen, Dr. Sameer Bakhshi, Intas Pharmaceutical Limited, 2 Years, 2022-2024, Rs 2.87 Lakhs

Sameer Rastogi (Additional Professor)

Ongoing

1. To see the early effect of sorafenib on cognition, cardiovascular and reproductive functions., Dr Sameer Rastogi, DTRF, USA (Desmoid tumor research foundation, USA), 3 Years, 2023-2026, Around Rs 16 Lakhs yearly

Research over past 3 years

Research projects	2020–2021	2021–2022	2022–2023
Total funded projects			1
Total funding			Rs 10 Lakhs

Ongoing

1. Addition of low-dose pembrolizumab to capecitabine for residual triple negative breast cancer post neoadjuvant chemotherapy: An investigator-initiated multicentric open-labelled phase III randomized controlled clinical trial (SCRIPT TRIAL), Atul Batra, ICMR, 4 Years, 2024-2028, Rs 733 Lakhs
2. An investigator-initiated phase II randomized controlled trial of low-dose pembrolizumab in addition to standard neoadjuvant chemotherapy in patients with triple negative breast cancer (PLANET TRIAL), Atul Batra, ICMR, 3 Years, 2024-2027, Rs 147 Lakhs
3. An investigator-initiated randomized controlled trial of human recombinant platelet-derived growth factor in addition to urea cream for prevention of multikinase inhibitor-associated hand-foot skin reaction, Atul Batra, ICMR, 3 Years, 2024-2027, Rs 101 Lakhs
4. Assessing the theranostic capabilities of the Aurora-A/TPX2 Complex in Gallbladder Cancer, Dr. Chandra Prakash Prasad, ICMR, 3 Years, 2024-2027, Rs 79 Lakhs

5. Carboplatin in patients with metastatic castrate resistant prostate cancer harboring somatic or germline homologous recombination repair (HRR) gene mutations: A phase II single-arm trial (CiPHeR), Atul Batra, ICMR, 3 Years, 2023-2026, Rs 101 Lakhs
6. Establishing a registry for breast and ovarian cancers with mutations in hereditary cancer predisposition genes and a germline DNA repository at AIIMS, New Delhi, Dr. Raja Pramanik, Department of Health Research (DHR)-ICMR, GoI, 5 Years, 2022-2027, Rs 340 Lakhs
7. Evaluating the theranostic potential of canonical and non-canonical WNT signaling in Gall Bladder Cancer, Dr. Chandra Prakash Prasad, ICMR, 3 Years, 2023-2026, Rs 49 Lakhs
8. Evaluating the therapeutic significance of β-catenin in Gallbladder cancer, Dr. Chandra Prakash Prasad, AIIMS-Intramural, 2 Years, 2024-2026, Rs 10 Lakhs
9. Exploring the efficacy of Intermittent fasting with Time Restricted Feeding (TRF) on survival in Gynaecological cancers: A Phase II Randomized study, Dr. Raja Pramanik, Indian Council of Medical Research (ICMR), 3 Years, 2024-27,Rs 121 Lakhs
10. NUGENA: Nurse led Genetic counselling in improving Awareness and implementation of screening services for hereditary women's cancers: NuGenA study, Dr. Raja Pramanik, KolGOTrg(Kolkata Gynaecological Oncology Trials And Translational Research Group), 3 Years, 2024-2027,
11. Oral Metronomic Therapy (OMT) versus Treatment of Physicians choice (TPC) for platinum resistant ovarian cancers, Raja Pramanik, Department of Biotechnology (DBT), 3 Years, 2025-2028, Rs 91 Lakhs
12. Proof of concept study on Nano-Quercetin as a Cost-effective substitute for high-priced PARP inhibitors, Chandra Prakash Prasad, AIIMS-UG Mentorship Grant, 1 Year, 2025-2026, Rs 1.50 Lakhs

Completed

1. Elucidation of Propofol mediated anti-metastatic effects in Triple Negative Breast Cancers, Chandra Prakash Prasad, AIIMS-UG Mentorship Grant, 2 Years, 2021-2023, Rs 2 Lakhs
2. Exploring how PFK-1 induced metabolic changes can be exploited for -Triple Negative Breast cancer (TNBC) prognosis and therapeutics, Dr. Chandra Prakash Prasad, ICMR, 3 Years, 2019-2023, Rs 28 Lakhs
3. Study of HuR mediated metabolic changes in Triple Negative Breast cancer (TNBC), Dr. Chandra Prakash Prasad, DST-SERB, 3 Years, 2020-2024, Rs 48 Lakhs

Ongoing

1. ERR-γ as a biomarker and therapeutic target for lung Cancer and to investigate the synergetic anti-tumor effect of DN200434 (ERRγ inverse agonist) and MK2206 (Akt inhibitor) in lung cancer in vivo, Dr. Thoudam Debraj Singh, ICMR (Extramural), 3 Years, (2023-2025), Rs 82 Lakhs
2. Estrogen Related Receptor Gamma (ERRγ) as a potential biomarker and therapeutic target for human colorectal cancer and to investigate the antitumor efficacy of GSK5182 (Estrogen Related Receptor-γ inverse agonist) in combination with MK2206 (a novel Akt inhibitor) in colon cancer in vivo, Dr. Thoudam Debraj Singh, DHR (Extramural), 3 Years, (2021-2024), Rs 49 Lakhs
3. The role of ERRγ in tumor energy metabolism, pyruvate dehydrogenase kinase 4 (PDK4) expression, and tumor progression, Dr. Thoudam Debraj Singh, NRF Mobility Grant (South Korea), 1 Year, (2023-2024), Rs 15 Lakhs
4. To investigate the synergetic anti-tumor effect of DN200434 (a potent inverse agonist of Estrogen Related Receptor-γ) and MK2206 (Akt inhibitor) in anaplastic thyroid cancer and papillary thyroid cancer in vivo, Dr. Thoudam Debraj Singh, SERB Core Grant (Extramural), 3 Years, (2023-2025), Rs 54 Lakhs
5. To investigate the synergetic anti-tumor effect of DN200434 (a potent inverse agonist of Estrogen Related Receptor-γ) and MK2206 (Akt inhibitor) in Ovarian cancer, Dr. Thoudam Debraj Singh, AIIMS (Intramural), 2 Years, (2024-2026), Rs 10 Lakhs

Completed

1. Estrogen Related Receptor Gamma (ERRγ) as a potential biomarker and therapeutic target for thyroid cancer and its correlation with iodine handling genes in thyroid, Dr. Thoudam Debraj Singh, DST-SERB Core (Extramural), 3 Years, (2020-2023), Rs 50 Lakhs
2. Multivalent targeting-based delivery of paclitaxel using elastin like polypeptide containing IL-4 receptor targeting peptide (AP1-ELP) for ovarian cancer therapy, Dr. Thoudam Debraj Singh, ICMR (Extramural), 3 Years, (2019-2023), Rs 36 Lakhs

Ongoing

1. Characterization of Novel anti-BCMA Antibody Drug Conjugate as an Immunotherapeutic Agent for Multiple Myeloma, Dr Mayank Singh, ICMR, 3 Years, 2025-2027, Rs 154.77 Lakhs
2. Deciphering the oncogenic network of Ubiquitin specific peptidase 37 (USP37) in ovarian cancer through novel molecular target identification and validation through in silico approach, Dr Mayank Singh, AIIMS Collaborative Intramural, 2 Years, 2025-2026, Rs 10 Lakhs
3. Elucidation of Molecular mechanism of Oncogenesis mediate by Ubiquitin specific peptidase 37 (USP37) and its therapeutic potential in prostate cancer, Dr. Mayank Singh, ICMR, 3 Years, 2023-2026, Rs 4.80 Lakhs
4. Development of BCMA based Chimeric antigenic receptor T cell (CAR T) cell against Multiple myeloma, Dr Mayank Singh, DBT, 3 Years, 2021-2024, Rs 105 Lakhs

Completed Projects

Development of Liquid biopsy, cf (cell free) DNA based assay for prognosis of Cervical Cancer., Dr Mayank Singh, AIIMS, 2 years, 2021-2023, Rs 10,00,000

Babita Kataria (Assistant Professor)

Ongoing

1. Phase II, multi-arm, randomised non- comparative parallel design trial to test efficacy of consolidation chemo therapy in locally advanced cervical cancer, Dr. Babita Kataria, AIIMS, Delhi, 2 Years, 2025-2027, Rs 10 Lakhs
2. A phase II Randomized Controlled Trial to test the impact of two different dose levels of maintenance CAPEcitabine on progression-free survival in patients with persistent/recurrent/metastatic CERVical cancer not progressing on platinum-based chemotherapy (CAPE-CERV), Dr. Babita Kataria, AIIMS, Delhi, 2 Years, 2025-2027, Rs 20 Lakhs
3. Role of HPV-ctDNA as prognostic and Predictive Biomarker in Locally advanced cervical cancer, Dr. Babita Katari, Sun Pharma Research Foundation, 2 Years, 2025-2027, Rs 12 Lakhs

Completed

1. Olanzapine to improve Quality of life in metastatic solid cancer patients on chemotherapy : A phase II randomised placebo controlled trial, Dr. Babita Kataria, AIIMS Delhi &IASCC (Indian Association of Supportive Care in Cancer), 2 Years, 2022-2023, Rs 4 Lakhs All investigations charges exempted.

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	01	01	03
Total funding	Rs 4 Lakhs	Rs 4 Lakhs	Rs 42 Lakhs

Ongoing

1. APP-DIP: Development of AI based prognostic platform for an early detection of infections in immunocompromised patients, Self (PI), DBT (Indo-Sweden), 3 Years, 2022-2025, Rs 90 Lakhs
2. Comprehensive genomic characterization of young onset lung adenocarcinoma in India (YOLA-I study), Aparna Sharma, International Association for study on Lung Cancer (IASLC) /LCFA/ BMS Diparities in Clinical Oncology Research Grant, 2 Years, 2024-2026, Rs 180 Lakhs (USD 200,000)
3. Elucidating the role of circular RNA circLIFR in the pathogenesis of small cell lung cancer, Sachin Kumar, ANRF/SERB, 3.4 Years, 2022-2025, Rs 41.28 Lakhs
4. Elucidation of the role of long noncoding RNAs as a biomarker in lung tumorigenesis, Sachin Kumar, DBT, 4 Years, 2021-2025, Rs 33.93 Lakhs
5. Evaluation of various intercalating agents for the high-resolution cytogenetics of leukaemia patients, Surender K Sharawat, AIIMS, 2 Years, 2022-2024, Rs 10 Lakhs
6. Mechanistic insights on the role of circular RNA circCAMSAP1 in the pathogenesis of small cell lung cancer, Dr. Sachin Kumar, CSIR, 3 Years, 2023-2026, Rs 24.36 Lakhs

7. “Metabolic response by FDG PET-CT and its correlation with pathological response and genomic profile in patients of Non-Small Cell Lung Cancer (NSCLC) receiving neoadjuvant chemoimmunotherapy”, Aparna Sharma CO PI : Abhinav Singhal, AIIMS Interdisciplinary Collaborative Intramural Research project, 2 Years, 2024-2026, Rs 10 Lakhs
8. Multi Institution study by Tata Memorial Hospital Mumbai : Phase 3 randomized study for evaluation of addition of Pembrolizumab to palliative therapy in NSCLC., Site PI : Aparna Sharma, TMH, Mumbai, 2 Years, 2024-2026, Rs 19 Lakhs
9. Phosphorylated ALK expression in ALK positive Non small cell lung carcinoma and its impact on survival outcomes”, Aparna Sharma, All India Institute of Medical Science Early Career Intramural Research Project 2023-2024, 2 Years, 2023-2025, Rs 5 Lakhs
10. Role of celecoxib in reducing cognitive impairment in patients receiving definitive chemoradiation for head and neck carcinoma: A phase II randomized placebo controlled trial, Aparna Sharma, American Society of clinical Oncology, Conquer Cancer Foundation, 1 Year, 2024-2024, Rs 16 Lakhs
11. Uncovering the Impact of tRNA Modifications in Acute Myeloid Leukemia: Developing a Next-Generation Prognostic Score through a Multimodal Approach., Dr Surender K Sharawat, Genes2Me Pvt Ltd, 3 Years, 2024-2027, Rs 25 Lakhs

Medical Physics

Funded projects

Completed

1. Development of new and novel radiation dosimetric OSL materials by ion implantation technique and chemical methods for improved dosimetry, Dr Pratik Kumar, DRDO, 3 Years, 2019-2023, Rs 23.66 Lakhs

Onco-Anaesthesia& Palliative Medicine

Ongoing

1. Effect of Regional Anaesthesia on immune response and metastasis in breast cancer surgery: a prospective randomized control study, Dr. Nishkarsh Gupta, ICMR, 3 Years, 1 January 2022-31 December 2024, Rs 36.89 Lakhs
2. Homoeopathic treatment as an add-on therapy for pain management in cancer patients: a prospective, randomized, exploratory study, Dr. Brajesh Kumar Ratre, CCRH, 2 Years, 2023-2025, Rs 29.65 Lakhs
3. To Build the Capacity of Palliative Care Services in 10 Hospitals in North India to Reduce Suffering in Patients with Chronic Debilitating Conditions, Dr. Brajesh Kumar Ratre, ICMR, 3 Years, 2023-2026, Rs 271 Lakhs

Completed

1. AIIMS-IIT development of a video-laryngoscope, AIIMS -IIT, 2 Years, 2021-2023, Rs 5 Lakhs
2. Comparison of kind vision Video-laryngoscope channeled and non-channeled blades with direct Laryngoscope for intubation in mannequin by medical students: a randomized mannequin study, AIIMS, 1 Year, 2021-2022, Rs 2 Lakhs

Preventive Oncology

Funded projects

Ongoing

1. Detection of HPV circulating tumor DNA in cervical cancer patients before and after chemoradiotherapy by droplet digital PCR, Dr SujataPathak, AIIMS-Intramural, 2 Years, 2020-2022, Rs 9.5 Lakhs
2. Development and evaluation of a recombinant Mycobacterium indicus prani based therapeutic vaccine against HPV, Dr Pawan Kumar, ICMR, 3 Years, 2024-2027, Rs 55 Lakhs
3. Development and validation of a Laboratory Developed Test (LDT) for detection of high-risk human papillomavirus (HPV) in patients with cancer and potentially malignant disorders of oral and oropharyngeal region., Dr. Pawan Kumar, AIIMS Research Section (Intramural Collaborative), 2 Years, 2024-2026, Rs 10 Lakhs
4. Development of a novel cancer immunotherapeutic agent by integrating tumour antigen TRP-2 with Mycobacterium indicuspranii and analysis of its antitumour efficacy and immune-mechanisms using a mouse model, Dr. Pawan Kumar, AIIMS Research Section, 2 Years, 2019-2021, Rs 10 Lakhs

5. Development of matrix metalloproteinase-based assays to detect liver fibrosis, a major risk factor for liver fibrosis, Dr Asrar Alam, UCL-AIIMS, 2 Years, 2025-2027, Rs 10 Lakhs
6. Development of novel cancer immunotherapy by incorporating cancer/testis antigen NY-ESO-1 into Mycobacterium indicuspranii and evaluation of its antitumor efficacy and immune mechanisms using a mouse tumor model, Dr. Pawan Kumar, SERB, 3 Years, 2022-2025, Rs 36 Lakhs
7. Development of SARS-CoV-2 vaccine by incorporating its spike protein into Mycobacterium indicuspranii funded by AIIMS, New Delhi, Dr. Pawan Kumar, AIIMS Research Section, 2 Years, 2020-2022, Rs 10 Lakhs
8. Effect of Smartphone application on breast self-examination practice and adherence to follow-up screening schedule for female cancers: a pilot study, Dr Pallavi Shukla, AIIMS Intramural, 2 Years, 2023-2025, Rs 8.25 Lakhs
9. Identification of immunogenic regions from SARS-CoV-2 spike protein capable of eliciting robust humoral response, Dr Asrar Alam, AIIMS-Intramural, 2 Years, 2020-2022, 10 Lakhs
10. Sensitization effect of chloroquine and artemisinin on multidrug-resistant small cell lung cancer cell lines, Dr Asrar Alam, AIIMS-Intramural, 3 Years, 2019-2022, 10 Lakhs
11. Targeting multiple antigens for cancer immunotherapy with a recombinant Mycobacterium indicuspranii (MIP)-based approach and its evaluation using mouse tumor model, Pawan Kumar, SERB, 3 Years, 2022-2025, Rs 40.74 Lakhs
12. To develop a model to improve the district-level coverage and quality of screening, early detection and time to treatment initiation of oral, breast and cervical cancer within the context of NP-NCD program which is co-developed with the district implementation partners., Dr Pallavi Shukla, ICMR, 3 Years, 2024-2027, Rs 250 Lakhs (approx.)

Completed

1. A study to quantify the burden of insulin resistance in breast cancer women and its relation with other known prognostic and predictive factors of breast cancer, Dr Pallavi Shukla, AIIMS-intramural, 2 Years, 2020-2022, Rs 3.25 Lakhs
2. Early and Late development of Castration Resistant Prostate Cancer and its correlation with Androgen Receptor Ligand Binding Domain Mutations, Dr. Kumar Sandeep, AIIMS Research Section, 3 Years, 2017-2020, Rs 7 Lakhs

Radiation Oncology

Ongoing

1. A phase II randomised controlled study comparing post-operative stereotactic radiotherapy versus conventional radiotherapy along with concurrent and adjuvant temozolomide in patients with de novo glioblastoma, Dr Anjali VR, AIIMS, ND, 2 Years, 2025-2027, Rs 10 Lakhs
2. A pilot study evaluating the role of Homoeopathic medicine in Cancer patients as an adjuvant treatment to chemotherapy/radiotherapy and correlating with Molecular Markers, Dr Rambha Pandey, DBT, GOI, 3 Years, 2021-2025, Rs 100 Lakhs
3. A single-arm, open-label Phase 4 study of darolutamide in addition to standard androgen deprivation therapy for participants in Indian with high-risk non-metastatic castration-resistant prostate cancer (nmCRPC), Dr Haresh KP, BAYER Pharmaceuticals, 5 Years, 2022-2026, Rs 10 Lakhs
4. An institutional phase I/II study to evaluate safety and efficacy of high dose weekly hypofractionated palliative breast radiotherapy in fungating advanced unresectable or metastatic breast cancer., Dr Haresh KP, ICMR, 3 Years, 2022-2025, Rs 35 Lakhs
5. An open-label, two arm, exploratory randomised controlled trial to evaluate the effect of vardhamana pippali rasayana as an add-on therapy in the management of non- small cell lung cancer, Dr Rambha Pandey, All India Institute of Ayurveda, 3 Years, 2023-2026, Rs 12.5 Lakhs
6. ARANOTE study (Protocol BAY 1841788/ 21140): A randomized, double-blind, placebo-controlled Phase 3 study of darolutamide in addition to androgen deprivation therapy (ADT) versus placebo plus ADT in men with metastatic hormone-sensitive prostate cancer (mHSPC), Dr Haresh KP, BAYER Pharmaceuticals, 5 Years, 2021-2025, Rs 300 Lakhs

7. Clinical validation of synergistic effect of Vardhamana Pippali Rasayana along with conventional treatment after unravelling its mechanism of action in Breast cancer: From Experimental model to Clinical trial Collaboration with All India Institute of Ayurveda, Dr Subhash Gupta, ICMR, 3 Years, 2022-2025, Rs 75 Lakhs
8. Implementing communication strategies to Improve the Quality of Life of cancer Survivors and Caregivers, Abhishek Shankar, Indian Council for Medical Research, 3 Years, 2025-2028, Rs 138 Lakhs
9. In-house development of 3D printing-based brachytherapy template device for treating pelvic cancers and validation using in-house developed pelvic phantom, Gopishankar Natanasabapathi, Intramural Project, AIIMS, New Delhi, 2 Years, 2022-2024, Rs 5 Lakhs
10. Involved Quadrant Irradiation (IQI) post Breast Conservation Surgery: A Phase 3 randomized control Trial, Dr Surendra Kumar Saini, ICMR, 3 Years, 2023-2026, Rs 90 Lakhs
11. "MGMT expression profiling and its correlation with response to TMZ in high grade gliomas in pediatric and AYA population", Dr Subhash Gupta, AIIMS, 2-3 Years, 2023-2025, Rs 10 Lakhs
12. NAVIGATE Study (Protocol BAY No. 2757556 / 20289). A Phase 2 Basket Study of the Oral TRK Inhibitor larotrectinib in Subjects with NTRK Fusion-Positive Tumors, Dr Haresh KP, BAYER Pharmaceuticals, 5 Years, 2021-2025, Rs 12 Lakhs
13. Pilot study to compare moderate hypo fractionated radiotherapy versus stereotactic body radiotherapy (SBRT) in intermediate and high risk prostate cancer, A toxicity and quality of life comparison, Haresh KP, ICMR, 3 Years, 2022-2025, Rs 35 Lakhs
14. Prediction of cervical cancer recurrence by Deep Learning Model, Dr Surendra Kumar Saini, ICMR / 2023-2025, 2.6 Years, 2022-2025, Rs 28.99 Lakhs
15. Prevalence of BRCA mutations in young Indian women less than 40 years of age with TNBC, Dr Subhash Gupta, AIIMS, 2 Years, 2022-2025, Rs 10 Lakhs
16. The AIRSPACE Study (Addressing DIspaRities in Access to Tobacco Dependency Services for Patient with Thoracic Cancers), Matthew Evison, Manchester University, NHS, UK, IASLC to Tobacco Control and Smoking Cessation Committee, 3 Years, 2024-2027, Rs 180 Lakhs

Completed

1. Artificial intelligence in Oncology: Harnessing big data and advanced computing to provide personalized diagnosis and treatment for Cancer patients, Dr Rambha Pandey, MeiTY, GOI, 3 Years, 2020-2024, Rs 292 Lakhs
2. In-house development of 3D printing-based brachytherapy template device for treating pelvic cancers and validation using in-house developed pelvic phantom, Dr Gopishankar Natanasabapathi, Intramural Project, AIIMS, New Delhi, 2 Years, 2022-2024, Rs 5 Lakhs

Surgical Oncology

Funded Projects

Ongoing

1. A randomized trial comparing neoadjuvant chemotherapy vs upfront surgery and adjuvant chemotherapy for gastric cancer, Dr Sunil Kumar, ICMR, 3 Years, 2023-2026, Rs 3 Lakhs
2. Cognitive computing approach based analysis of genomic information in blood plasma for diagnosis and prognostic for cancer., Dr Sunil Kumar, iHub Anubhuti-IIITD, 3 Years, 2023-2026, Rs 10.05 Lakhs
3. Design and development of bio-active patient-specific mandible implants for cancer patients, Dr Sunil Kumar, DBT, 18 Months, 2024-2026, Rs 12 Lakhs
4. Evaluation of cell free DNA in early detection of pleural spread and assessment of minimal residual disease in plasma among non-small cell lung cancer patients undergoing curative surgical resection, Dr JyoutishmanSaikia, AIIMS Intramural interdepartmental project, 2 Years, 2025-2027, Rs 20 Lakhs
5. Hospital Based Cancer Registry, Dr Sunil Kumar, ICMR NCDIR, On yearly renewal basis, 1 Year, 2024-2025, Rs 30 Lakhs
6. Pattern of Recurrence and Clinico-Molecular correlation in Relapsed Epithelial Ovarian Cancer patients undergoing Secondary CRS+ HIPEC, Prof M D Ray, ICMR DHR, 3 Years, 2023-2026, Rs 35.68 Lakhs

7. Population Based Cancer Registry in India, Dr Sunil Kumar, ICMR NCDIR, 3 Years, 2024-2027, Rs 34 Lakhs
8. Pre operative prediction of ideal volume of surgical resection in breast conservation surgery post neoadjuvant systemic therapy (PREVOL-BCS) using clinical, imaging, histological information and multidimentional analysis among surgically treated breast cancer patients: A pilot study, Dr JyoutishmanSaikia, AIIMS Intramural, 2 Years, 2025-2027, Rs 10 Lakhs
9. Study on imaging parameters and metabolomic profiling in breast cancer, Dr Jyoti Sharma, AIIMS, 2 Years, 2024-2026, Rs 15 Lakhs

Completed

1. Clinical significance of cell-free DNA in intraoperative pleural lavage fluid and plasma in patients undergoing pulmonary metastasectomy., Sunil Kumar, AIIMS Intramural, 2 Years, 2017-2019, Rs 10 Lakhs
2. Evaluation of peri-operative efficacy of Divya-Cystogrit-Diamond capsules as Immunonutrient in patients with Advanced Ovarian Cancer undergoing Cytoreductive Surgery and HIPEC: A Double-blind Randomized Placebo-controlled Pilot study, Prof M D Ray, Patanjali Research Institute, Haridwar, 2 Years, 2023-2025, Rs 5.39 Lakhs
3. Gut microbiome dysbiosis in pathogenesis of CRC, Dr Jyoti Sharma, AIIMS, 2 Years, 2022-2024, Rs 10 Lakhs
4. Patterns of Care and survival Studies (POCSS) on Gall bladder Cancer (GBC) in Hospital Based Cancer Registries, Dr Sunil Kumar, ICMR NCDIR, 4 Years, 2020-2024, Rs 13.75 Lakhs
5. Role of circulating tumour DNA (Ct-DNA) as a surrogate marker in ovarian cancer – A pilot study., Dr Ashutosh Mishra, AIIMS, 2 Years, 2021-2024, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Diagnostic and Interventional Onco-Radiology

Ongoing

1. Computational analysis of CT images
2. Contrast enhanced ultrasound-guided celiac plexus block in upper abdominal cancer pain
3. Developing and Using Robotic arm for performing Ultrasound remotely' in collaboration with IIT Delhi.
4. Development of a Non-Invasive Machine Learning Approach for Lesion Segmentation and Clinico-pathological Correlation in Breast Cancer Using Ultrasound Imaging
5. Development of a non-invasive machine learning based method for predicting axillary lymph node metastasis in breast cancer patients using ultrasound
6. Development of quantitative makers for assessment of tumor aggression in cervix carcinoma using multimodality integration
7. Image guided Adnexal/omental/ovarian biopsy in patients with clinical/radiological suspicion of ovarian cancer, with moderate to gross ascites: a prospective observational study to assess clinically significant hemorrhagic complications.
8. Pilot study on Imaging parameters and metabolomic profiling in Breast cancer patients
9. Role of Contrast enhanced mammography in dense breasts
10. Role of contrast enhanced ultrasound in characterization of axillary nodes in patient with breast cancer
11. Technical feasibility and effectiveness of CT guided glossopharyngeal nerve radiofrequency ablation for pain management in oropharyngeal carcinoma.
12. To assess the impact of percutaneous transhepatic biliary drainage on the quality of life of patients suffering from carcinoma of gall bladder
13. To evaluate the safety and efficacy of hepatic hilar nerve block in patients undergoing PTBD

Completed-

1. Clinico-radiological correlation of the breast diseases
2. Dual Energy CT in assessing response to tyrosine kinase inhibitors (TKI) in metastatic renal cell carcinoma (mRCC).

3. Role of contrast enhanced ultrasound in response assessment of patients with desmoid fibromatosis on medical therapy
4. Role of whole-body MRI in the evaluation of lung cancer.
5. Synthesized mammogram from digital breast tomosynthesis versus full field digital mammography with and without tomosynthesis: a prospective comparative study
6. To analyze the incidence of complications and failures of Peripherally inserted central catheter is placed under fluoroscopic guidance in patients with malignancies.

Laboratory Oncology

Ongoing

1. Bioinformatics Based Mutational Profiling and Structural Variations Analyses in Gallbladder Carcinoma
2. Dissecting the molecular pathways in Dux4-rearranged B-ALL. PhD thesis (ongoing).
3. Elucidating the role of NRF2 signaling pathway in acute myeloid leukemia. PhD thesis (ongoing).
4. Evaluating autophagy – related pathways to overcome drug resistance in AML (Ms. Aafreen Khan)
5. Evaluating autophagy – related pathways to overcome drug resistance in AML
6. Identification of differentially expressed protein-based biomarkers involved in downstream signalling pathways of gall bladder carcinoma
7. Non-invasive evaluation of genomic aberrations in multiple myeloma (Mr. Atul Basnal)
8. Profiling of predictive and prognostic molecular genetic aberrations in BCR::ABL negative B-ALL
9. Profiling of predictive and prognostic molecular genetic aberrations in BCR::ABL negative B-ALL
10. Role of expression, function, and clinical significance of DNA damage repair pathway genes in B-lineage acute lymphoblastic leukemia
11. Role of RhoBTB2 in AML
12. To study the interaction of IKZF1 alterations with cell adhesion molecules in B-cell acute lymphoblastic leukemia
13. Transcriptomic profiling of Leukemic Stem Cells to study tumorigenesis and chemoresistance in AML

Medical Oncology

Ongoing

1. A Retrospective Study of the Clinical Characteristics, Pathological Features, and Outcome of Relapsed Paediatric Acute Lymphoblastic Leukaemia.
2. Addressing the gap in health economics data to support national cancer control plans in India using the Childhood Cancers Budgeting Rapidly to Incorporate Disadvantaged Groups for Equity CC BRIDGE tool.
3. Anti-Emetic Prophylaxis for Chemotherapy-Induced Vomiting without Dexamethasone for Children and Adolescents Receiving Highly Emetogenic Chemotherapy: Investigator-Initiated, Open-Label, Multi-Center, Non-Inferiority, Phase-III Randomized Controlled Trial.
4. Assessment of baseline procalcitonin level and kinetics of serial levels to predict bacteraemia and outcome in pediatric febrile neutropenia
5. Assessment of Quality of Life among Adult Survivors of Head and Neck. Ewing Sarcoma Family of Tumors
6. Blastic plasmacytoid dendritic cell Neoplasm (BPDCN) International Registry
7. Establishing the INPHOG Network of Hospital-Based Childhood Cancer Registries HBCCRS in India.
8. Evaluation of clinic-pathological characteristics, prognostic factors and treatment outcomes in patients with osteosarcoma in children and adults treated in India (IMSOS OS-01)
9. Extended aprepitant in control of delayed emesis during induction chemotherapy for acute myeloid leukaemia (AML) (EACODE-AML)
10. Indian Childhood Acute Promyelocytic Leukemia Study (I-ChAMPs)

11. Investigating the intrinsic role of mitochondrial unfolded protein response mtUPR during acute myeloid leukaemia pathogenesis.
12. Link between mitochondrial morphology and mitochondrial biogenesis in Pediatric Acute Myeloid Leukemia (AML)
13. Long-term outcomes of childhood ALL treated by INCTR protocol single center experience
14. Modulation of mitochondria-related differentially expressed gene on mitochondrial functionality and its effect on disease biology on acute myeloid leukemia
15. Molecular and Pharmacogenetic marker evaluation in relation to the toxicity and clinical response of acute lymphoblastic leukemia treatment in Indian children (MPGx-IND ALL)
16. Olanzapine for weight gain for children undergoing chemotherapy for solid malignancies; An Investigator-Initiated, Open-Label, Multi-Center, Phase III Randomized Controlled Trial
17. Prognostic factors Outcomes in Patients with Osteosarcoma Treated at a Tertiary Care Centre: A Retrospective Analysis
18. Unravelling the Role of Mitophagy in the Biology and Outcome of acute myeloid leukaemia.

Completed

1. Assessment of sex bias in treatment abandonment in childhood cancer from a tertiary care oncology center in India
2. Comparison of the outcomes of Paediatric B-NHL in pre and post Rituximab era
3. Immune Responsiveness following Vaccination against SARS-Cov2 in Cancer Patients Belonging to the Children/ Adolescent/Young Adult Age Group

Ongoing

1. An investigator-initiated phase II randomized controlled trial of low-dose pembrolizumab in addition to standard neoadjuvant chemotherapy in patients with triple negative breast cancer
2. Carboplatin in patients with metastatic castrate resistant prostate cancer harboring somatic or germline homologous recombination repair (HRR) gene mutations: A phase II single-arm trial
3. Cell free DNA in patients with residual TNBC: An exploratory study
4. Homologous Recombination Deficiency in carcinoma ovary- analysis of real world data.
5. Low dose Nivolumab in combination with Neoadjuvant Chemotherapy followed by concurrent Chemoradiation in advanced Carcinoma Cervix: A phase II study
6. Oral Metronomic therapy in high grade recurrent or metastatic endometrial cancers.
7. Palbociclib and Anastrozole in Recurrent or Metastatic Estrogen Receptor Positive Endometrial Cancer; a Single Arm Phase 2 Study
8. Quality of life and metabolic profile among epithelial ovarian cancer survivors - A case-control study (OVA-SURV)
9. Real world patterns of care and Clinical outcomes in relapsed Multiple myeloma: an ambispective analysis.

Completed

1. Assessment of Sexual health related problems in cancer patients undergoing chemotherapy.
2. Assessment of cf-DNA Liquid biopsy as a biomarker for common gastrointestinal cancers.
3. Diagnosing hereditary cancer predisposition in Indian men with prostate cancer: a pilot study

Ongoing

1. A randomised double blinded placebo controlled two arm phase 3 study to assess efficacy and safety of Xevinapant and radiotherapy compared to placebo and radiotherapy for demonstrating improvement of disease free survival in patients with resected squamous cell carcinoma of the head and neck who are at high risk for relapse and are ineligible for high dose cisplatin

2. A randomized phase 3 trial evaluating the non-inferiority of reduced dose chemotherapeutic regimens based on CARG score compared to standard doses in older patients with advanced esophageal, esophago-gastric, gastric and biliary tract cancers
3. Deciphering the Oncogenic potential of Deubiquitinating enzymes (DUBs) in gynecological cancers.
4. Development and characterization of BCMA (B Cell Maturation Antigen) based CAR and CAR-T cells in Multiple Myeloma"
5. Dissecting the Molecular and Metabolic Impact of Smokeless Tobacco Extract for Innovative Therapeutic Strategies in Oral Cancer-PhD Thesis
6. Efficacy of metformin in preventing platinum/taxane induced peripheral neuropathy: Double blind Placebo controlled randomized trial
7. Elucidation of molecular mechanism of oncogenesis mediated by USPs in prostate cancer
8. ERR-γ as a biomarker and therapeutic target for Non-Small cell lung Cancer (NSCLC) and to investigate the synergetic anti-tumor effect of DN200434 (ERRγ inverse agonist) and MK2206 (Akt inhibitor) in NSCLC
9. ERR-γ as a biomarker andtherapeutic target for Gallbladder cancer (GBC) and to investigate the synergetic anti-tumor effect of ERRγinverse-agonist (DN200434) andMK2206 (Akt inhibitor)/Gemcitabinein GBC
10. Evaluation of the potential of AP1-functionalised Elastin Like Polypeptide nanocarriers for multivalent targeting-based delivery of paclitaxel in human ovarian carcinoma. PhD Thesis: Ridhima Goel
11. Generation and characterization of Therapeutic BCMA (B Cell maturation antigen) specific antibodies in Mutiple Myeloma (MM).
12. Phase-3 Randomised trial of Neo-adjuvant Vs Adjuvant Chemotherapy in patients with resectable gastric cancer
13. Prognostic and therapeutic relevance of HuR in Triple Negative Breast Cancer- PhD Thesis
14. Role of Beta Catenin induced metabolic changes in Triple Negative Breast Cancer Prognosis and Therapeutics – PhD Thesis
15. Role of Canonical Wnt/beta catenin signaling in Gall Bladder Cancer- PhD Thesis.
16. To investigate the significance of Estrogen Related Receptor Gamma (ERRγ) expression in thyroid cancer and study its potential as a therapeutic target. PhD Thesis: Deepak Gulwani
17. To investigate the synergetic anti-tumor effect of DN200434 (a potent inverse agonist of Estrogen Related Receptor-γ) and MK2206 (Akt inhibitor) in Ovarian cancer (Research Associate: Dr. Priyanka Upadhyay)
18. Uncovering the molecular basis of PM 2.5 induced carcinogenesis and formulating preventive approaches -PhD Thesis

Medical Physics

1. Development of bolus material for radiation treatment
2. Study of biological effects in low-level medical imaging ionizing radiation and their relevance to Radiation Protection

Onco-Anaesthesia & Palliative Medicine

Ongoing

1. A comparison between Dexmedetomidine and Remifentanil for rigid Bronchoscopic Pulmonary procedures: A randomized controlled trial
2. A Prospective Observational Study to Assess the Effect of Palliative Care Consultation on the Palliative Care Needs of Patients Suffering from Advanced Lung Cancer, in a Tertiary Care Hospital in India
3. A Prospective Observational Study to Assess the Effect of Palliative Care Consultation on the Palliative Care Needs of Patients Suffering from Advanced Lung Cancer, in a Tertiary Care Hospital in India
4. A study to compare the efficacy of combination regimen of dexmedetomidine and midazolam versus ketofol (ketamine + propofol) for sedation in awake fiberoptic intubation (AFOI) in head and neck cancer patients- A Randomized clinical trial

5. Airway Assessment Parameters, Management strategies (Intubation and Extubation) and its outcome in adult patients WHO had undergone head and neck cancer surgeries under general anaesthesia in a tertiary care centre over 15 years: A retrospective analysis
6. Analysis of symptom burden and quality of life in patients undergoing haemodialysis at tertiary care centre: A Prospective observational study
7. Appropriateness, effectiveness and accuracy of hundred paise pain scale in comparison to visual analogue scale, for the assessment of cancer pain among Indian patients: A Randomized Control Trial
8. Assessment of quality of life and emotional well-being in patients diagnosed with metastatic spinal cord compression presenting to palliative medicine department in a tertiary care centre: A prospective observational study.
9. Assessment of Quality of Life in COVID-19 Patients after discharge from hospital: A Prospective Observational Study
10. Autonomic dysfunction and breast surgery
11. Bedside ultrasound to estimate and compare gastric volumes in patients of gynaecological malignancies with other non- gastrointestinal, non-pelvic malignancies: A prospective observational study
12. Comparison of Effect of crystalloids versus albumin for goal directed fluid therapy on peri-operative outcomes in major abdomino-pelvic oncological surgeries: a Randomized Control Trial
13. Comparison of impact of erector spinae plane block versus thoracic epidural analgesia on perioperative quality of recovery in onco-surgical patients undergoing unilateral thoracotomy". A prospective, randomized control, open-label, non-inferiority, preliminary trial (CEPET Trial)
14. Comparison of megestrol acetate versus dexamethasone versus placebo for change in patients' weight, appetite and quality of life in cancer related anorexia / cachexia: A Randomized Controlled Trial.
15. Comparison of Palliative Care Outcomes Among Geriatric Prostate Cancer Patients by Longitudinal Assessment of Symptom Burden, Perception of Disease and Quality of Life: A Prospective Cohort Study.
16. Cricoid Ultrasonography and CT scan to predict the size of Double lumen tube in Indian Population
17. Effect of dietary modifications and education tool on morphine induced constipation in addition to routine morphine prescriptions in cancer patients: A randomized control trial
18. Effect of early integration of palliative care on QOL in patients with CA breast
19. Effect of Early Integration of Palliative Care with standard treatment in patients of hepatobiliary cancers: A Randomized Controlled Trial
20. Effect of intraoperative esmolol on postoperative pain in breast cancer surgery a randomized control trial
21. Effect of opioid free anesthesia on chronic post mastectomy pain
22. Effect of opioids on cognition among cancer patients
23. Effects of intraoperative goal directed hemodynamic therapy on post-operative pulmonary complications and kidney functions after lung resection surgeries by thoracotomy- A randomized controlled trial.
24. Evaluating the relative efficacy of preoperative intravenous vs oral iron supplementation in reducing perioperative allogenic blood transfusions in patients of gastrointestinal malignancies with iron deficiency anaemia: A randomized controlled trial
25. Evaluation of procalcitonin and C- reactive protein as a prognostic marker among sepsis patients in oncological ICU
26. Factors predicting post-operative morbidity and mortality in patients undergoing head and neck cancer surgeries. A retrospective observational study
27. Gastric ultrasonography to assess the effect of probiotics on gastric residual volume in diabetic patients planned for cancer resection surgery: A Randomized Controlled Trial
28. Impact of preoperative frailty in predicting postoperative length of hospital stay in adult patients undergoing major abdominal cancer surgery- A prospective, observational study
29. Insomnia, Anxiety and Depression in newly diagnosed lung cancer patients
30. Needs Assessment of Palliative Care in Geriatrics

31. Palliative Care Needs Assessment in Patients Suffering from Advanced Chronic Obstructive Pulmonary Disease (COPD)/ Interstitial Lung Disease (ILD): A Prospective Study.
32. Palliative Care Needs Assessment in Patients Suffering from Advanced Chronic Obstructive Pulmonary Disease (COPD)/ Interstitial Lung Disease (ILD): A Prospective Study.
33. Palliative care needs of patients with life-limiting illnesses presenting to the Emergency Department
34. POCUS on Patient admitted for palliative care in tertiary hospital: cross sectional study
35. Postoperative cognitive decline in patients undergoing elective laparotomy for cancer surgeries in a tertiary care centre: A prospective cohort study
36. Preoperative ultrasound guided estimation of subclavian vein diameter changes by passive leg rising to assess the incidence of post-induction hypotension after general anaesthesia in patients of head and neck malignancies: A prospective observational study
37. Prevalence of Polypharmacy and Potentially Inappropriate Medications in Geriatric Cancer Patients and their Quality of life Attending Palliative Care Clinic at Tertiary Care Cancer Centre India.
38. Psychological distress and quality of life in non-small cell lung cancer patients receiving chemotherapy":- A prospective observational study
39. Quality of life and cognitive function evaluation in patients diagnosed with brain metastasis presenting to the palliative medicine department in a tertiary care centre.
40. Role of Magnesium Sulphate on post operative delirium in oncological surgeries-A randomized controlled trial
41. To Assess the effect of preoperative Repetitive Transcranial Magnetic Stimulation on Post Mastectomy Pain Syndrome: A Randomized Control Trial
42. To study enteral feeding practices and their outcomes in advanced upper aerodigestive malignancies: An ambispective observational study
43. To study the long-term benefits of Ultrasound guided Erector Spinae Plane block on Post Mastectomy Pain Syndrome in patients undergoing Breast Surgery: A Randomized Controlled Trial
44. Unmet Palliative care needs assessment in patients suffering from End-Stage Lung Disease [Chronic obstructive pulmonary diseases (COPD)/Interstitial lung disease (ILD)]: A prospective Study

Completed

1. Comparison of different video laryngoscopes for Nasotracheal intubation in manikin with difficult airway by experienced anesthesiologists: A randomized, self-controlled, crossover trial
2. Comparison of Mc Grath-MAC and C-MAC video laryngoscopes for intubation in mannequin by donned anesthesiologists using an intubation box during COVID-19: pandemic: a prospective randomized study
3. Muscle activity during intubation in a difficult airway
4. Nasotracheal intubation in patients with oropharyngeal carcinoma under general anaesthesia: A comparative evaluation between fibreoptic bronchoscope and C-MAC D blade videolaryngoscope
5. To Assess the factors Responsible for delayed presentation of cancer patients to tertiary centre: And its implication in patient care
6. To compare the efficacy of opioid free general anesthesia with opioid based general anesthesia on post-operative morphine consumption in patients undergoing breast cancer surgery: a prospective randomized control study

Radiation Oncology

Ongoing

1. A phase 2 open label randomised controlled trial comparing Modified TPF with docetaxel-platinum regimen as neoadjuvant Chemotherapy in locally advanced resectable oral cavity Cancer.
2. A Phase III Randomised Controlled Study Comparing Xerostomia After Tubarial Salivary Gland Sparing IMRT Versus Standard IMRT In Patients With Locally Advanced Oropharyngeal Squamous Cell Carcinoma.
3. A phase III randomised controlled study comparing xerostomia after tubarial salivary gland sparing IMRT versus standard IMRT in patients with locally advanced oropharyngeal squamous cell carcinoma
4. A pilot study to assess the safety and feasibility of hypofractionated neoadjuvant radiation in newly diagnosed high-grade gliomas.

5. A Prospective feasibility study of very accelerated partial breast irradiation using interstitial brachytherapy in early stage carcinoma of the breast.
6. A Prospective feasibility study of very accelerated partial breast irradiation (vAPBI) using interstitial brachytherapy in earlystage carcinoma of the breast
7. A randomized controlled phase 2 study of short course Concurrent chemoradiotherapy versus sequential Chemotherapy followed by short course concurrent Chemoradiotherapy, in management of locally advanced Squamous cell carcinoma of head and neck region not suitable for curative treatment.
8. A randomized phase 2 study of hypofractionated radiation therapy with simultaneous integrated boost (SIB) versus conventional radiation therapy in glioblastoma.
9. A retrospective analysis of patients with early glottic cancer (stage I-II) treated with radiotherapy at AIIMS, New Delhi from 2011-2021
10. A study ofaccelerated partial breast irradiation in early stage breast cancer post neoadjuvant chemotherapy and breast conservation surgery
11. Accelerated Hypo-fractionated Palliative Radiotherapy Vs Standard Hypofractionated Palliative Radiotherapy with Concurrent Chemotherapy in Locally Advanced Head and Neck Squamous Cell Carcinoma: A Randomised Controlled Study.
12. Addition of whole liver irradiation to TKI in patients with advanced Hepatocellular Carcinoma: a pilot randomized control study
13. Comparative study on Brachytherapy Boost Vs SBRT Boost Following EBRT in Intermediate and High Risk Prostate Cancer
14. Image guided volume based versus point based intravaginal brachytherapy in early stage carcinoma Endometrium: A randomized comparative study
15. Quantitative Aortic flow assessment in patients undergoing thoracic radiotherapy using 4Dflow mapping-A pilot study
16. SBRT for Lung Primary with Cardiac Sparing VMAT/IMRT to medistinal Lymphnode- A Phase II Feasibility Study
17. The HYPON trial 2: A Phase II randomized study evaluating hypofractionated versus conventional adjuvant concurrent chemo-radiation therapy in head and neck malignancies.

Completed

1. A retrospective analysis of patients with solitary plasmacytoma treated at AIIMS, New Delhi from 2011-2021
2. A retrospective analysis of patients with orbital rhabdomyosarcoma treated at AIIMS, New Delhi from 2010-2019
3. Interstitial Brachytherapy Versus Extreme Hypo-fractionated External Beam Partial Breast Irradiation After Breast Conserving Surgery in Early Stage Female Breast Carcinoma

Surgical Oncology

Ongoing

1. A comparative prospective clinical observational study in HIPEC vs NIPAC in the management of advanced epithelial ovarian cancer.
2. A Phase II Randomised controlled trial to evaluate the role of oralmetronomic chemotherapy followed by surgery vs upfront surgeryin patients with operable squamous cell carcinoma of oral cavity
3. A phase II RCT comparing PMMC flap outcomes using conventional and ICG techniques in oral cancer
4. A prospective observational comparative study on effects of prophylactic HIPEC in locally advanced colon cancer
5. A prospective observational comparative study on effects of prophylactic HIPEC in locally advanced colon cancer
6. An open-label, parallel-group randomized controlled trial comparing post-mastectomy prepectoral and subpectoral implant based breast reconstruction in breast cancer patients
7. An open-label, parallel-group randomized controlled trial comparing post-mastectomy pre-pectoral and subpectoral implant-based breast reconstruction in breast cancer patients.

8. Bedside ultrasound to estimate and compare gastric volumes in patients of gynaecological malignancies with other non-gastrointestinal, non-pelvic malignancies – A prospective observational study
9. Comparison of efficacy between chemotherapy and neoadjuvant long course chemotherapy and radiotherapy in rectal adenocarcinoma: a randomised control study
10. Comparison of outcome between Ivor Lewis and Mc Keown's esophagectomy in SCC in lower esophageal cancer – a randomized pilot study
11. Comparison of Outcome of Mckeown verses Ivor Lewis Esophagectomy in Squamous Cell Carcinoma of Lower Esophagus: A Pilot Randomised Control Study
12. Comparison of pet-ct and endobronchial ultrasound with surgical histopathology for mediastinal nodal staging of non-small cell lung cancer in patients undergoing surgery
13. Cytoreductive Surgery and Hipec in Relapsed Epithelial Ovarian Cancer - A Phase Iii Randomised Control Trial and Descriptive Study to Evaluate Effect of Hipec in HRD/Brcawt Genomic Profile
14. Feasibility and Accuracy of SLNB In Primary Epithelial Ovarian Cancer (PEOC) (FIGO Stage I-III)- A Prospective Pilot Study And Retrospective analysis to evaluate the prognostic and predictive significance of Ki-67 and p53 in treated primary advanced epithelial ovarian cancer.
15. Feasibility and Accuracy of SLNB In Radiologically Node Negative Primary Epithelial Ovarian Cancer (PEOC) (FIGO Stage I-III)- A Prospective Pilot Study
16. Fluorescence-guided surgery using near-infrared imaging for detection of peritoneal metastasis in patients undergoing cytoreductive surgery in epithelial ovarian cancer – a feasibility study
17. Neoadjuvant FOLFIRINOX vs Long Coure chemoradiotherapy in non-metastatic resectable carcinoma rectum – a RCT
18. Neoadjuvant Short Course Radiotherapy in Combination with Chemotherapy for Squamous Cell Carcinoma of Esophagus: A Single Arm Phase II Pilot Study
19. Neoadjuvant short course radiotherapy in combination with chemotherapy for squamous cell carcinoma of Esophagus: A single arm phase II pilot study
20. Prospective study on sentinel lymph node biopsy after neoadjuvant treatment of breast cancer using blue dye alone And Retrospective analysis of lymphedema rates after sentinel lymph node biopsy and axillary lymph node dissection
21. Role of circulating tumour DNA (Ct-DNA) as a surrogate marker in ovarian cancer – A pilot study.

Completed

1. A Phase II Randomised controlled trial comparing pectoralis major myocutaneous flap using conventional and Indocyanine green angiography technique in oral cancer
2. A Phase II Randomised controlled trial comparing pulmonary complications in retrosternal vs posterior mediastinal gastricconduit placement in patients undergoing Esophagectomy
3. A pilot study to assess role of preoperative chemoradiotherapy in locally advanced / recurrent extremity soft tissue sarcoma & audit of soft tissue sarcoma database.
4. A Prospective study on microbiome dynamics and gut dysbiosis in early onset colorectal cancer patients and A prospective study on critical anatomical evaluation of sphincter complex in low and mid rectal cancer patients
5. A study evaluating MIS for of colorectal cancer patients and learning basic laboratory techniques of molecular biology for miRNA extraction in colon and rectal cancer patients
6. Ambispective study comparing perioperative outcomes between Hyperthermic Intraperitoneal Chemotherapy (HIPEC) and Early Postoperative Intraperitoneal Chemotherapy (EPIC) with audit and analysis of Peritoneal Surface Malignancy Database
7. Ambispective study comparing perioperative outcomes between Hyperthermic Intraperitoneal Chemotherapy (HIPEC) and Early Postoperative Intraperitoneal Chemotherapy (EPIC) with audit and analysis of peritoneal surface malignancy database.
8. Comparison of efficacy between neoadjuvant chemotherapy and neoadjuvant concurrent chemoradiation in squamous cell carcinoma esophagus: A Pilot Randomised Control Study
9. Evaluation of cell free DNA in early detection of pleural spread and assessment of minimal residual disease in plasma among non-small cell lung cancer patients undergoing curative surgical resection

10. Feasibility and Accuracy of SLNB In Radiologically Node Negative Primary Advanced Epithelial Ovarian Cancer (PAEOC) (FIGO Stage II-III)- A Prospective Pilot Study And Retrospective analysis to evaluate the prognostic and predictive significance of Ki-67 and p53 in treated primary advanced epithelial ovarian cancer.
11. Feasibility study of indocyanine green fluorescence dye for intraoperative assessment of gastric or colonic conduit perfusion in oesophageal cancer surgeries – a prospective validation study and update and analysis of hepatobiliary and pancreatic cancer database
12. Functional recovery and return to work after Thoracic surgery in patients with Malignant thoracic Diseases: A Prospective study
13. Nomogram for predicting health related quality of life in esophageal cancer patients after esophagectomy
14. Pilot study to evaluate the role of Toluidine Blue Dye and Narrow Band Imaging for assessment of malignant and potentially malignant disorders in oral cavity and update and analysis of Oral Cancer Database
15. Prospective study of in person versus online cancer genetic counseling And Ambispective evaluation of patients undergoing risk reducing surgery.
16. Prospective study on the expression of cancer-testis antigen (CT45) in the patients of advanced epithelial ovarian cancer undergoing Hyperthermic Intraperitoneal Chemotherapy and its correlation with response to platinum based chemotherapy
17. The feasibility of implementation and compliance of "enhanced recovery after surgery (ERAS)" protocol in cytoreductive surgery (CRS) with Hyperthermic intraperitoneal chemotherapy (HIPEC) at a tertiary care centre - a prospective cohort study and audit and analysis of ovarian cancer database.
18. The prevalence of BRCAness related somatic mutations in uterine leiomyosarcoma

Collaborative projects

Diagnostic and Interventional Onco-Radiology

Ongoing:

1. Assessment of cell free DNAS (cf-DNA) as a biomarker in common gastrointestinal track cancers., Department of Medical Oncology
2. Childhood cancer survivorship program, Department of Medical Oncology
3. Comparison of combined diffusion weighted and non-contrast MRI with contrast-enhanced MRI in staging of endometrial carcinoma, Obstetrics and Gyecology
4. Cricoid ultrasonography and CT scan to predict the size of double lumen tube in Indian population- A prospective observational study, Department of Oncoanaesthesia and palliative medicine
5. Development of neurovascular coupled computational modelling in stroke using multimodal imaging, NMR
6. Diagnostic and Prognostic value of cell free DNA in epithelial ovarian cancer- A cohort study, Obstetrics and Gyecology
7. Early integration of point of care ultrasonography (POCUS) in oncopalliative patients, Department of Oncoanaesthesia and palliative medicine
8. Exploring Neuroimaging and Metabolomic Markers Associated with Opioid Dependent Subjects on Buprenorphine Maintenance Treatment, NMR
9. Exploring the role of AI in differentiating metastasis from granuloma in patients with pediatric sarcomas, Department of medical oncology, IIT Delhi
10. Genetic changes of TP53 and its role in treatment management of patients with advanced soft tissue sarcoma, Pathology
11. LOI-Cancer immunotherapy and Epigenetics Research Network(CIEReN): Centralized e-platform for iER-TME (Immunotherapy based Epigenetic Reprogramming of Tumor Immune Micro Environment), Department of Surgical Oncology
12. Neoadjuvent chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for resectable gastric adenocarcinoma- Phase 3 Multicentric Randomised controlled trial (NAGA Study), Department of Medical Oncology
13. Stereotactic body radiation therapy in management of recurrent head and neck carcinoma: an assessment of treatment outcome and toxicity, Department of Radiation Oncology

14. Validation of clinical examination with Doppler studies in the management of patients presenting with vascular disease: A Prospective study, Department of Surgery

Completed

1. A Phase II Study of Gemcitabine/Docetaxel in Patients with Relapsed Metastatic Synovial Sarcoma, Medical Oncology
2. Comparison of CT vs PET CT in Ca ovary for accuracy of staging, disease burden and prediction of resectability and determination of PCI, a prospective study, surgical oncology
3. Comparison of Multigene hereditary panel testing profiles in breast cancer patients qualifying and not qualifying the NCCN 2018 criteria for genetic testing: A prospective study, Medical Oncology
4. Detection of extranodal-extension (ENE) in node positive oral cavity squamous cell carcinoma (OSCC)., Department of ENT- HSNO
5. Development of tissue equivalent optically stimulated luminescent materials for measurement of low doses of medical radiation, Medical physics unit, BRAIRCH, and Department of Health physics inter university accelerator centre, New Delhi
6. Genetic changes of TP53 and its role in treatment management of patients with advanced soft tissue sarcoma, Pathology
7. Outcome of advanced unresectable synovial cell sarcoma from and Indian tertiary care center: retrospective study, Medical Oncology
8. Prevalence of sarcopenia in patients with upper gastrointestinal and lung malignancy undergoing surgical resection and its impact on immediate postoperative outcomes: A prospective observational study, Surgical Oncology
9. Prospective comparison between 18F-FDG PET/CT and conventional modalities for Ewing's family of tumors, Nuclear medicine
10. Role of 3-dimensional volume rendering of CT imaging for preoperative evaluation of disease extent in epithelial ovarian cancer, Obstetrics and Gyecology
11. Role of multimodality imaging and liquid biopsy for response assessment in colorectal carcinoma: An Ambispective study, Department of radio-diagnosis
12. The feasibility of weekly paclitaxel in improving performance status of advanced NSCLC patients with poor performance status: A single arm phase two trial", Medical Oncology
13. Utility of Fine Needle Aspiration Cytology assisted with Cell Block in the Diagnosis of Bone and Soft Tissue Tumors, Pathology

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	2	4	10
Total funding	Rs 90 Lakhs	Rs 29.42 Lakhs	Rs 416.68 Lakhs

Laboratory Oncology

Ongoing

1. Peripheral Blood Smear Investigator (PeBSI): an AI-assisted Solution for the Differential Diagnosis of Peripheral Blood Smear Funded by RailTel., IIIT-Delhi
2. Role of T cell activation and Follicular helper T cell in Multiple Myeloma Funded by ICMR., Amity Institute of Virology & Immunology, Noida
3. Characterizing the functional role of DNA binding domain lacking novel alternative splice form of TETI in acute myeloid leukemia, leukemic stem cells and can it be chemically targeted. Funded by ICMR, SCMM, JNU, New Delhi
4. ISCALL, Interinstitutional project
5. ICICLE2, Interinstitutional project

6. Study of the erythroid and megakaryocytic lineages under normal development and pathological myeloproliferation, IIT, Delhi
7. Deciphering the molecular mechanisms of cell adhesion and chemoresistance in BCR-ABL positive B-cell acute lymphoblastic leukemia (B-ALL) and B-lymphoid blast phase of chronic myeloid leukemia (CML) carrying IKZF1 mutations, IIT, Delhi
8. Construction of therapeutic cells with synthetic circuits targeting relapse in B-ALL, Biochemistry, AIIMS, New Delhi
9. Functional genomics of hepatobilliary cancers, IIT, Delhi
10. Artificial Intelligence-based Tool for Detection of Breast and Oral Cancer, ICMR-NIRDHDS
11. Development of Electrochemical biosensor for detection of circulating tumor DNA mutations in Acute myeloid leukemia., Department of Biotechnology, Jaypee Institute of Information Technology, Noida
12. Establishing a registry and germline DNA repository of breast and ovarian cancers with hereditary predisposition at, Department Of Medical Oncology, AIIMS, New Delhi
13. Characterizing the functional role of DNA binding domain lacking novel alternative splice form of TET1 in acute myeloid leukemia, leukemic stem cells and can it be chemically targeted?, Special school of Molecular Medicine, JNU

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	19	19	19
Total funding	Rs 1407.06 Lakhs	Rs 1498.64 Lakhs	Rs 1478.64 Lakhs

Medical Oncology

Ongoing

1. Assessment of Anxiety And Depression in Patient With Epithelial Ovarian Cancer After 1st line Chemotherapy: A Cross sectional Observational Study, Psychiatry, Medical Oncology, Gynecology, and obstetrics
2. Evaluation of Secondary cytoreductive surgery in relapsed ovarian cancers: an ambispective study, Surgical Oncology & Medical Oncology
3. Impact of surgical manipulation of tumor on Circulating tumor cell (CTC) Kinetics in oral cavity squamous cell carcinoma., ENT, Medical oncology, Radiation oncology
4. Quality of life and metabolic profile among epithelial ovarian cancer survivors - A case-control study (OVA SURV), Medical Oncology, Surgical oncology, Gynecology.
5. Understanding the role of FAPI scans in ovarian cancers, Nuclear Medicine and Medical oncology
6. Unveiling the therapeutic potential of c-PGRP-S in the in vitro and in vivo Triple Negative Breast Cancer (TNBC) models: A pre-clinical study, Department of Biophysics, New Delhi
7. To investigate the metabolic perturbations in endometrial cancer in Indian cohort, Department of Pathology, AIIMS, New Delhi
8. Investigation the role of Ubiquitously Transcribed Tetratricopeptide Repeat Containing, YLinked (UTY) in stemness of oral cancer cells, Department of Biochemistry, AIIMS, Jammu

Completed

1. Clinical outcome and biological characteristics of ovarian cancer patients with positive germline mutations in hereditary ovarian cancer predisposing genes and acceptance of cascade testing in Indian women., Medical Oncology, Gynecology and obstetrics, Surgical oncology
2. Comparison of telegenetics versus face-to-face genetic counselling by clinical team in women with Epithelial Ovarian Cancer, Medical Oncology, Gynecology and obstetrics, Surgical oncology
3. “Diagnostic accuracy of 68Ga-FAPI-46 PET/CT in Multiple Myeloma patients: A Comparative analysis with 18F-FDG PET/CT”., Medical Oncology, Nuclear Medicine

4. Impact of Mindfulness meditation on neurocognitive functions in Gynecological Cancers: A Randomized controlled trial, Gynecology, Medical Oncology

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	5	3	4
Total funding	Rs 129 Lakhs	Rs 105 Lakhs	Rs 139.50 Lakhs

Ongoing

1. **"**Diagnostic and prognostic value of cell free DNA (cfDNA) in Epithelial ovarian cancer – A cohort study" Indian Council for Medical Research (ICMR) Duration- 2023-2026, PI: Dr Seema Singhal, Additional Professor Department of Gynaecology AIIMS New Delhi
2. Evaluating the theranostic potential of canonical and non-canonical WNT signaling in Gallbladder Cancer Funding Agency: ICMR Duration: 2023-2026, PI: Dr Chandra Prakash prasad, Additional Professor Department of Medical Oncology Lab BRAIRCH AIIMS New Delhi
3. Evaluating the therapeutic significance of β-catenin in Gallbladder cancer; Funding Agency: AIIMS (Delhi), Duration: 2024-2026, PI: Dr Chandra Prakash prasad, Additional Professor Department of Medical Oncology Lab BRAIRCH AIIMS New Delhi
4. Translational approach for reducing Hepatocellular Carcinoma through modulation of extracellular matrix protein Lysyl Oxidase (LOX) in tumor microenvironment, Self as a Co-PI, DST, 3 Years +, 2022-2025 (On extension), Rs 87 Lakhs

Onco-Anaesthesia& Palliative Medicine

Ongoing

1. Cognitive function in breast cancer patients on opioids _AIIMS intramural interdepartmental, Physiology

Completed

1. Effect of repetitive transcranial magnetic stimulation on pain and quality of life in post mastectomy pain syndrome, Physiology

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	3	2	---
Total funding	Rs 43.89 Lakhs	Rs 330.30 Lakhs	---

Preventive Oncology

1. A descriptive cross-sectional study to identify the prevalence and risk factors of oral-premalignant lesions through visual screening among security personnel working at AIIMS, New Delhi, Public health dentistry, CDER, AIIMS, New Delhi
2. A Study of Gut (oral, fecal and bile) Microbiome in Patients with Gallbladder Cancer, Department of Surgical Disciplines, Department of Gastroenterology, Translational Health Science and Technology Institute, Faridabad
3. Assessment of Second-hand Tobacco smoke (SHS) exposure and evaluation of m-Health promotion strategy among attendants of cancer patients at a tertiary cancer hospital., Preventive Oncology
4. Cancer Awareness and Referral Engagement (CARE) program for medical- officers/Specialists in selected district hospitals of Haryana., Preventive Oncology, NCI
5. Clinico-genetic prognostic signatures for development of metastatic Castration Resistant Prostate Cancer, Department of Urology, AIIMS, New Delhi

6. Development and validation of a Laboratory Developed Test (LDT) for detection of high-risk human papillomavirus (HPV) in patients with cancer and potentially malignant disorders of oral and oropharyngeal region., Department Of Oral Pathology, CDER, AIIMS, New Delhi
7. Development of a novel cancer immunetherapeutic agent by incorporating NY-ESO-1 into Mycobacterium indicuspranii and evaluation of its antitumor efficacy/immune mechanisms using mouse model of tumor, Preventive Oncology, Dr BRAIRCH, AIIMS New Delhi
8. Development of matrix metalloproteinase-based assays to detect liver fibrosis, a major risk factor for liver fibrosis, Department of Gastroenterology, AIIMS, New Delhi Division of Medicine, Institute for Liver and Digestive Health, University College London, UK
9. Genomics of Gall Bladder Carcinoma in Indian patients, Laboratory Oncology Unit, Dr BRAIRCH, AIIMS, New Delhi
10. Prevalence of BRCA1/2 germline mutations in young Indian women (<40 years) with triple negative breast cancers, Department of Surgical Disciplines, AIIMS, New Delhi
11. To elucidate the impact of micronutrients and vitamins on sex –steroid mediated stromal epithelial interactions in prostate cells : role in maintenance of normal prostate physiology., Reproductive Biology, AIIMS, New Delhi
12. To evaluate the mutation detection performance of various BRCA testing eligibility criteria tools among Indian females with breast cancer and in their immediate family members., Preventive Oncology
13. To study the Interplay between Cancer-Testis germline POTE antigen and Notch signaling and its association with global DNA methylation in Ovarian Cancer, Department of Biochemistry, AIIMS, New Delhi
14. Topoisomerase2β and Anthracycline induced Cardio Toxicity (TACT) among females treated for malignant breast tumors, Preventive Oncology

Radiation Oncology

Ongoing

1. A phase 2 open label randomised controlled trial comparing modified TPF with docetaxel-platinum regimen as neoadjuvant chemotherapy in locally advanced resectable oral cavity cancer., Medical Oncology
2. Assessment of tissue recovery time and dosimetry of multisession stereotactic radiosurgery using Gamma Knife on Brain Organoid, Neurosurgery, CNC, AIIMS, New Delhi
3. Can pre-session intra-ductal administration of N acetyl-cysteine in each wharton duct decrease xerostomia and improve quality of life in adult patients of oropharyngeal squamous cell carcinoma treated by single modality of radical external beam radiotherapy treatment?, Departments of Otorhinolaryngology & head-neck surgery, Radiation Oncology & Pharmacology, AIIMS New Delhi
4. Clinicodemographic Profile and Outcomes in Intraocular Retinoblastoma with Treatment Responders and non Responders, Ophthalmology
5. Effectiveness of oral metronomic therapy vs supportive management in improving quality of life in metastatic and recurrent head and neck cancer: a randomized controlled trial, Onco Anaesthesia and Palliative Medicine
6. Genomic aberrations and its prognostic impact in Solitary Plasmacytoma, Departments of Pathology, Radiation Oncology & Medical Oncology, AIIMS New Delhi
7. Multimodal Management of Stage II and III extraocular retinoblastoma : An interventional pilot study, Pediatric Oncology
8. Persistence of NS1 antigenemia and its correlation with clinical outcome in Immunocompromised patients with dengue., Medicine and Microbiology
9. Role of 68 Ga PSMA PET in Re-RT planning for recurrent high-grade gliomas (HGG)- a pilot study, Nuclear Medicine
10. Role of Neo Adjuvant chemotherapy in Ocular Surface squamous neoplasia – A prospective study, Ophthalmology

Completed

1. Development of 3D printed patient specific phantoms to improve radiation dosimetry, Medical Physics
2. The role of novel self-assembling peptide matrix (SAPM) in prevention of post radiation caries in head and neck cancer patients: Randomized clinical trial, Division of Conservative Dentistry and Endodontics, Centre for Dental Education and Research (CDER) & Department of Radiation Oncology, AIIMS New Delhi

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects			16
Total funding			Rs 1051.5 Lakhs

Surgical Oncology

Ongoing

1. A single arm phase II study of single agent Pemetrexed in Platinum Resistant/Refractory Epithelial Ovarian or Primary Peritoneal Cancer., Department of Medical Oncology, Dr BRA IRCH, AIIMS, New Delhi
2. An integrated metabolomics and lipidomics approach for identifying biomarkers for early diagnosis and histological subtyping of the Non-small cell lung cancer., Department of NMR, AIIMS New Delhi
3. Artificial intelligence in Oncology: Harnessing big data and advanced computing to provide personalised diagnosis and treatment for Cancer patients., Department of Bio-Chemistry. AIIMS, New Delhi
4. "Building Biobanks, Identifying Biomarkers, Determining Metabolic Targets, and Developing Therapeutic Platforms for the Management of Colon Cancer in India through Precision Medicine", Regional Center for Biotechnology, Faridabad
5. Building Biobanks, Identifying Biomarkers, Determining Metabolic Targets, and Developing Therapeutic Platforms for the Management of Colorectal (CRC) Cancer in India through Precision Medicine, Regional Centre For Biotechnology, Faridabad
6. CAPE-CERV Trial – Capecitabine Maintenance in Metastatic Cervical Cancer, Medical Oncology
7. Clinical profile and outcomes in patients with carcinoma penis and evaluation of Health-related quality of life (HRQoL) in survivors, Department of Medical Oncology, AIIMS, New Delhi
8. DBT NCI-AIIMS Translational Cancer Research Centre (Phase-1), Biochemistry
9. Developing DdpMPyPEPhU as a breast cancer using AI-guided enumeration-based optimisation, synthesis and preclinical evaluation in PDX model multitargeted drug for, ICMR
10. Development of microRNA-based biomarkers for ovarian cancer., Department of Reproductive Biology, AIIMS, New Delhi
11. Elucidating the therapeutic role of docetaxel-loaded-HSP70 peptide complex in PDX Mouse Model, ICMR
12. Establishing a registry and germline repository of breast and ovarian cancers with hereditary predisposition, Department of Medical Oncology, AIIMS, New Delhi
13. Establishment of Registry and Germline DNA Repository for Breast and Ovarian Cancers with Hereditary Predisposition at AIIMS, New Delhi, Medical Oncology
14. Evaluation of low dose Nivolumab with neoadjuvant chemotherapy in non-small cell lung cancer: A phase II open label randomised clinical trial (ELON, Department of Medical Oncology, AIIMS, New Delhi
15. Exploring the Efficacy of Intermittent Fasting with Time-Restricted Eating (TRE) on Survival in Gynecological Cancers, Medical Oncology
16. Finding novel diagnostic and prognostic biomarkers in ovarian cancer, Department of Lab Oncology, Dr BRA IRCH, AIIMS, New Delhi
17. Histopthological, immunohistochemical and molecular study of appendiceal epithelial neoplasms, Department of Pathology, AIIMS New Delhi
18. Homologous Recombination Deficiency in Carcinoma Ovary – Analysis of Real-World Data, Medical Oncology
19. Implementation study to improve survival in stage II Breast cancer, ICMR
20. Molecular Mechanism of Cancer-Testis/Germline Antigen POTEB/B2 in Ovarian Cancer, Biochemistry
21. Oral Metronomic Therapy (OMT) vs Physician's Choice Chemotherapy in Platinum-Resistant Advanced Ovarian Cancer, Medical Oncology
22. Phase -II proposal submitted entitled "Design and development of bio-active patient-specific mandible implants for cancer patients, Department of Mechanical Engineering Indian Institute of Technology, Delhi
23. PLANET Trial, Medical Oncology

24. Post-operative intraperitoneal chemotherapy after interval cytoreduction in epithelial ovarian cancer (POICE 2024): multicenter, randomized, phase III trial., Department of Medical Oncology, JIPMER, Puducherry
25. Preoperative Prediction of Ideal Volume of Surgical Resection in Breast Conserving Surgery (PREVOL-BCS),
26. Retrospective analysis to study clinico-pathological aspects of Adrenocortical carcinoma and their outcome in Indian patients as tertiary cancer centre, Department of Medical Oncology, AIIMS, New Delhi
27. Role of R2Tp Complex in Thyroid Cancer, Biochemistry
28. Role of Tel2 in Thyroid Cancer, Biochemistry
29. To determine the role of differentially expressed micro-RNAS and their protein targets present in the tumour site of pancreatic cancer patients, Department of Biotechnology, AIIMS New Delhi
30. Tumor Immune Microenvironment of Follicular Cell-Derived Thyroid Carcinomas, Pathology
31. Utilizing comprehensive genomic and immune profiling in gynaecological adenocarcinomas for developing pragmatic management strategies., Department of Pathology, AIIMS, New Delhi

Collaborative projects

Completed

1. A Phase II randomized controlled trial to evaluate the role of oral metronomic chemotherapy followed by surgery vs upfront surgery in patients with operable squamous cell carcinoma of oral cavity and a descriptive study to determine the role of p53 as a biomarker to predict chemotherapeutic response for oral metronomic therapy with analysis of oral cavity cancer patient database, Department of Surgical Oncology, AIIMS, New Delhi
2. Assessment of cell free DNAS (cf-DNA) as a biomarker in common gastrointestinal track cancers.
3. Comparison of analgesic efficacy of Ultrasound guided thoracic Paravertebral block versus surgeon guided Serratus Anterior Plane block for acute postoperative pain in patients undergoing thoracotomy for lung surgery-A prospective randomized study, Department of Onco-Anesthesia
4. Department of Medical Oncology, Dr BRA IRCH, AIIMS, New Delhi
5. Immunotherapeutic potential of novel Prostate Ovary Testis Embryo (POTE) Antigen in Ovarian Cancer, Department of Bio-Chemistry. AIIMS, New Delhi
6. Outcomes of Metastatic Colorectal cancers over 15 years- experience from tertiary care centre., Department of Medical Oncology
7. Role of Cancer Testis Antigen gene (CT45) as a diagnostic and prognostic biomarker in Primary Ovarian Cancer., Lab Oncology Unit, Dr BRA IRCH, AIIMS, New Delhi
8. The prevalence of BRCAness related somatic mutations in uterine leiomyosarcoma, Department of Medical Oncology, Dr BRA IRCH, AIIMS, New Delhi

Research over past 3 years

Research projects	2020–2021	2021–2022	2022–2023	2023–2024	2024–25
Total funded projects	3	11	11	10	18
Total funding	Rs 221.15 Lakhs	Rs 165.90 Lakhs	Rs 249.90 Lakhs	Rs 215.42 Lakhs	Rs 139.72 Lakhs

Publications

DCR

Publications

Journals: 04

Publications over last 3 years

Item	2022–23	2023–2024	2024–2025
Total	**11**	**9**	**04**

Diagnostic and Interventional Onco-Radiology

Publications:

Journals:23 **Abstracts: 04** **Chapters in Book: 34** **Bookd & Monographs:01**

Publications over last 3 years

Item	2022–23	2023–2024	2024–2025
Total	42	36	62

Laboratory Oncology

Publications:

Journals: 42 **Abstracts: 34**

Item	2022–23	2023–2024	2024–2025
Total	87	62	76

Medical Oncology

Publications:

Journals: 128 **Abstracts: 29**

Item	2022–23	2023–2024	2024–2025
Total	154	132	157

Medical Physics

Publications

Journals: 01

Item	2022–23	2023–2024	2024–2025
Total	03	02	01

Onco-Anaesthesia & Palliative Medicine

Publications

Journals:46

Item	2022–23	2023–2024	2024–2025
Total	110	76	46

Preventive Oncology

Publications

Journals: 06

Item	2022–23	2023–2024	2024–2025
Total	09	06	06

Radiation Oncology

Publications

Journals: 37 **Abstracts:25**

Item	2022–23	2023–2024	2024–2025
Total	53	60	62

Surgical Oncology

Publications

Journals: 35 **Abstracts: 07**

Item	2022–23	2023–2024	2024–2025
Total	**36**	**48**	**42**

Patient Care

1. **TOTAL BED STRENGTH = 182 + 7 = 189**
   a. Medical Oncology = 85
   b. Radiation Oncology = 37
   c. Surgical Oncology = 61
   d. Palliative Care Unit = 06
2. **TOTAL OPD ATTENDANCE – (2024-25) (TOTAL = 215093)**
   a. New Patient`s Registered = 16462
   b. Revisits = 198631
3. **DESCRIPTION OF VARIOUS OPD/CLINICS AT DR. BRAIRCH (YEAR 2024-2025)**

S.NO.	NAME OF THE OPD/ CLINIC	NEW PATIENT REGISTERED		REVISITS			
		MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
1.	ADULT MEDICAL ONCOLOGY CLINIC	1973	2682	4655	30082	40267	70349
2.	ADULT LYMPHOMA LEUKEMIA CLINIC	-	-	-	2421	1685	4106
3.	AML/HL CLINIC	68	32	100	1585	971	2556
4.	ALL/CML CLINIC	161	125	286	3662	1700	5362
5.	BREAST CANCER CLINIC	32	664	696	1385	11183	12568
6.	BONE & SOFT (TISSUE) CLINIC	150	104	254	692	497	1189
7.	CANCER PREVENTION AND SCREENING CL.	07	346	353	-	--	-
8.	FAMILIAL CANCER CLINIC	10	27	37	90	62	152
9.	GASTRO-INTESTINAL CLINIC	503	345	848	1417	1037	2454
10.	GYNAECOLOGY CLINIC - ‘A’	-	151	151	-	562	562
11.	GYNAECOLOGY CLINIC - ‘B’	-	324	324	-	1173	1173
12.	GYNAECOLOGY CLINIC - ‘C’	-	185	185	-	888	888
13.	GENITOURINARY & GYNAE CLINIC	38	77	115	326	847	1173

14.	GENITOURINARY & PSM CLINIC	68	157	225	275	833	1108
14.	HEAD & NECK (SURGERY) - A	360	83	443	1647	493	2140
15.	HEAD & NECK (ENT) – B	986	174	1160	5244	1300	6544
16.	HEPATOBILIARY & PANCREATIC CLINIC	129	93	222	756	495	1251
17.	LUNG CANCER CLINIC	712	252	964	7657	2547	10204
18.	NHL/MM/CLL CLINIC	52	132	184	1788	2314	4102
19.	NEURO ONCOLOGY CLINIC	300	148	448	2132	1027	3159
21.	OPTHALMIC TUMOUR CLINIC	03	-	03	-	--	-
22.	PAEDIATRIC MEDICAL ONCOLOGY CLINIC	164	99	263	4156	2364	6520
23.	PAEDIATRIC LYMPHOMA LEUKEMIA CLINIC	137	67	204	2748	1522	4270
24.	PAEDIATRIC (SURGERY)	130	97	227	1931	1402	3333
25.	PAIN RELIEF CLINIC	646	495	1141	8441	7184	15625
26.	PAIN & PALLIATIVE CARE CLINIC (RT-II)	-	-	-	-	-	-
27.	PAEDIATRIC PALLATIVE CARE CLINIC	--	-	-	-	-	-
28.	RADIOTHERAPY CLINIC	585	442	1027	7956	10017	17973
29.	SURGICAL ONCOLOGY (CLINIC)	269	393	662	1195	2270	3465
30.	THORACIC ONCOLOGY CLINIC	205	98	303	981	666	1647
31.	TRANSPLANT CLINIC	57	37	94	1512	724	2236
32.	UROLOGY MALIGNANCY CLINIC	658	78	736	5986	3589	9575
33.	ENDO MALIGNANCY CLINIC	83	69	152	1866	1081	2947
	TOTAL =	8486	**7976**	**16462**	**97931**	**100700**	**198631**

G. TOTAL = 16462 + 198631 = 215093

ADMISSIONS (2024-25)	
REGULAR ADMISSIONSS	**11842**
SHORT/DAY CARE ADMISSIONS	**55828**
TOTAL ADMISSIONS	**67670**

DISCHARGES (2024–25)	
REGULAR DISCHARGES	**11625**
SHORT/DAY CARE DISCHARGES	**55189**
TOTAL DISCHARGES	**66814**

TOTAL DEATHS – (2024–25)	**287**

OPERATION THEATRE SERVICES – (2024–25)	
MAJOR OPERATIONS	**1472**
MINOR OPERATIONS	**8309**
TOTAL OPERATIONS	**9781**

ELECTRO-CARDIOGRAM (ECG) – (2024-25)	**6123**

OPD PROCEDURES (TREATMENT ROOM NO.15)	**6315**

OPD CHEMOTHERAPY SERVICES (TREATMENT ROOM NO. 15)	
MALE CT	**4816**
FEMALE CT	**2725**
MALE CHILD CT (PAED.)	**3752**
FEMALE CHILD CT (PAED.)	**1389**
TOTAL CASES	**12682**

OPD ATTENDANCE NEW PATIENT'S REGISTERED (MALE & FEMALE) – (2024-25)

NEW PATIENT`S REGISTERED	MALE	FEMALE	TOTAL
APRIL – 2024	801	681	1482
MAY – 2024	818	733	1551
JUNE – 2024	684	620	1304
JULY – 2024	735	734	1469
AUGUST –2024	667	641	1308
SEPTEMBER – 2024	761	691	1452
OCTOBER – 2024	720	684	1404
NOVEMBER – 2024	716	683	1399
DECEMBER – 2024	652	641	1293
JANUARY – 2025	786	682	1468
FEBRUARY – 2025	540	573	1113
MARCH – 2025	606	613	1219
TOTAL	**8486**	**7976**	**16462**

TOTAL (MALE & FEMALE) = 16462

OPD ATTENDANCE REVISITS (MALE & FEMALE) – (2024-25)

REVISITS	MALE	FEMALE	TOTAL
APRIL = 2024	8082	8765	16847
MAY – 2024	8609	8401	17010
JUNE – 2024	7382	7481	14863
JULY – 2024	8314	8654	16968
AUGUST – 2024	7598	7984	15582
SEPTEMBER – 2024	8453	8422	16875
OCTOBER – 2024	8018	8522	16540
NOVEMBER – 2024	8160	8258	16418
DECEMBER – 2024	9152	8508	17660
JANUARY – 2025	8952	8683	17635
FEBRUARY – 2025	7195	8341	15536
MARCH – 2025	8016	8681	16697
TOTAL	**97931**	100700	**198631**

TOTAL (MALE & FEMALE) = 198631

GEOGRAPHICAL DISTRIBUTION ACCORDING TO THEIR RESIDENCE = 16462

S.NO		TOTAL
1.	Andhra Pradesh	07
2.	Andman Nicobar	00
3.	Assam	35
4.	Arunachal Pradesh	05
5.	Bihar	2033
6.	Chandigarh	03
7.	Chhattisgarh	14
8	Dadar & Nagar Haveli	00
9.	Daman & Diu	00
10.	Delhi	4760
11.	Goa	01
12.	Gujrat	16
13.	Haryana	1306
14.	Himachal Pradesh	89
15.	Jammu & Kashmir	114
16.	Jharkhand	183
17.	Kerala	15
18.	Karnataka	12

19.	Ladakh	33
20.	Lakshdeep	00
21.	Madhya Pradesh	321
22.	Maharashtra	32
23.	Meghalaya	03
24.	Manipur	68
25.	Mizoram	03
26.	Nagaland	08
27.	Orissa	28
28.	Pondicherry	00
29.	Punjab	44
30.	Rajasthan	285
31.	Sikkim	09
32.	Tamilnadu	07
33.	Telangana	06
34.	Tripura	07
35.	Uttar Pradesh	6293
36.	Uttaranchal	463
37.	West Bengal	187
	TOTAL	**16390**

OTHER COUNTRIES

1.	Afghanistan	-
2.	Bangladesh	04
3.	Canada	01
4.	Ethopia	-
5.	Fiji	-
6.	Iraq	-
7.	Mauritius	-
8.	Nepal	63
9.	Nigeria	01
10.	Sudan	01
11.	Uganda	02
	TOTAL	**72**

GRAND TOTAL = 16462

LABORATORY ONCOLOGY SERVICES – (2024-25)

1.	Blood Sampling	176195
	HEMOGRAM (HMG) – (HB, TLC, PLATELETS)	7091

2.	PERIPHERAL BLOOD SMEAR (PBS)	3997
3.	BONE MARROW ASPIRATION (BM)	6127
4.	CYTO-CHEMISTRY	1127
5.	SERUM PROTEIN ELECTROPHORESIS (SPE)	7303
6.	IMMUNOFIXATION (IFX)	4656
7.	URINE ELECTROPHORESIS (UE)	1440
8.	TUMOR MARKER	00
9.	FLOWCYTOMETRY	79633
10.	C.S.F.	2528
11.	ESR	00
12.	MOLICULAR BIOLOGY	22677
13.	SERUM FREELIGHT CHAIN	14549
14.	CYTOPATHOLOGY	00
15.	BETA 2 – MICROGLOBULIN	1506
16.	CYTOLOGY	1268
17.	HPB DNA	3990
18.	IMMUNOGLOBULIN	1717
19.	Body Fluid	08
	Total	**335812**

G.TOTAL = 335812

APHERESIS – (2024-25)

1.	SINGLE DONOR PLATELETS (SDP)	1807
2.	PERIPHERAL BLOOD STEM CELL – HARVEST (PBSC)	133
3.	HEMOGRAM	2933
4.	PLASMA	03
5.	NO. OF GRANULOCYTES	40
6.	PLASMA EXCHANGE	-
7.	STEM CELL HARVEST	-
	TOTAL	**4916**

G. TOTAL = 4916

MEDICAL ONCOLOGY LABORATORY SERVICES- (2024-25)

1.	CYTOGENETICS FOR DETECTION OF PHILDELPHIA CHROMOSOME	00
2.	CYTOGENETICS FOR CHIMERISM	367
3.	RT-PCR FOR DETECTION OF P210 AND P190 TRANSLOCATION IN CML (QUALITATIVE)	00
4.	RQ-PCR FOR DETECTION OF P210 AND P190 TRANSLOCATION IN CML (QUANTITATIVE)	890

5.	CD 34 COUNTS BY FLOW CYTOMETRY	00
6.	CD 3 COUNTS BY FLOW CYTOMETRY	00
7.	IMMUNO PHENOTYPING FOR LEUKEMIA	00
8.	MNC COUNTS	128
9.	CRYOPRESERVATION OF STEM CELLS – 80	104
10.	STORAGE OF STEM CELLS AT 4	56
11.	BONE MARROW TRANSPLANT	00
12.	INFUSION OF STEM CELLS	109
13.	VIABIALITY OF STEM CELL	89
14.	ELISA FOR ASPERGILLOSIS DETECTION	1105
15.	LDH	00
16.	MAGNESIUM	00
17.	EBV - DNA DETECTION FOR EBV INFECTION	00
	TOTAL	**2848**

G.TOTAL = 2848

MEDICAL PHYSICS SERVICES –(2024-25)

1.	No. of blood bags irradiated	19025
2.	Quality Assurance test done on X-Ray machines	5672
3.	Quality Assurance test done on film processor at DR. BRAIRCH, AIIMS	
4.	Quality Assurance test on film processor at Radiology (Main)	-
5.	Radiation output measurements in X-Ray units	1119
6.	Quality Assurance test done on film processor at AIIMS	-
7.	Radiation protection survey measurements	93
8.	Advise in inadvertent exposure to pregnancy	02
9.	Q.C. test fluoroscopy done at AIIMS	-
10.	Q.A. test done on Lead apron	262
	Total	**26173**

G. TOTAL = 26173

RADIOTHERAPY SERVICES – (2024-25)

1.	CASES ON RADIOTHERAPY	82082
2.	TOTAL FIELD ON RADIOTHERAPY	-
3.	CASES ON BRACHYTHERAPY	1049
4.	TREATMENT PLANNING AND SIMULATIONS	3881
5.	TWO AND THREE DIMENSIONAL DOSE DISTRIBUTIONS	3616
6.	COMPENSATORS	352
7.	SHIELDING BLOCKS IMMOBILIZATION DEVICES AND ORIFITS	3124
8.	RADIATION REVIEW CLINIC	14158
9.	PLANNING C.T.	2571
	TOTAL	110833

G.TOTAL = 110833

RADIO-DIAGNOSIS SERVICES – (2024-25)

1.	C.T. SCAN	7698
2.	ULTRA-SOUND	8149
3.	MAMMOGRAPHY	3409
4.	X-RAYS (ROUTINE)	18027
5.	DOPPLER	554
6.	INTERVENTION	1906
7.	SPECIAL INVESTIGATION (BA, I)	999
8.	INTERVENTION MA	00
	TOTAL =	40742

G.TOTAL = 40742

Diagnostic and Interventional Onco-Radiology

Item	2022-23	2023-24	2024-25
X-Ray	19182	18260	18027
Ultrasound	7889	8107	8149
Doppler	359	422	554
C T Scan	8613	9755	7698
Mammography	2584	2839	3409
Fluoroscopy procedures and intervention	849	858	999
Intervention (USG, CT guided)	1947	2012	1906
Total	41423	42253	40742

Laboratory Oncology

S. No.	Name of The Lab	No. of test done 2022–23	2023–24	2024–25
1.	Blood Sampling	124533	159865	176195
2.	Hemogram	11175	12449	7091
3.	Bone Marrow	4389	4541	6127
4.	Peripheral Blood Smear	4533	3252	3997
5.	Serum Protein Electrophoresis	6181	6134	7303
6.	Urine Electrophoresis	1669	505	1440
7.	Immunofixation	4330	3693	4656
8.	SFLC	8167	10937	14549
9.	Immunoglobulin	383	1117	1717
10.	Beta 2 macroglobulin	1136	1305	1506
11.	Cytochemistry	949	1056	1127
12.	Cytospin/CSF	1870	2004	2528

13.	Molecular Biology	15775	9919	22677
14.	Flowcytometry	87402	60994	79633
15.	HPV	2910	3042	3990
16.	Cytology	530	548	1268
17.	BFPEP (Body fluid protein electrophoresis)	-	-	08

Medical Oncology

The number of patients treated in our department during 2024-2025

Sl. No.		2024–25
1.	Patients treated as in-patient	11842
2.	Patients treated in day care facility	55828
3.	Medical Procedures	6315
4.	Outpatient chemotherapy	7541
5.	Outpatient IV antibiotics	28041
6.	Hematopoietic Stem Cell Transplantation	100

Patient care services in Medical Oncology (Lab)

Sl. No.		2024–25
1.	Cytogenetics for Detection of Phildelphia Chromosome	367
2.	RQ-PCR for detection of p210 and p190 Translocation in CML (quantitative)	890
3.	MNC counts	126
4.	Cryopreservation of stem cells -80°C	104
5.	Storage of stem cells at 4°C	56
6.	Infusion of stem cells	109
7.	Viability of stem cell	89
8.	ELISA for aspergillosis detection	1105

Aphaeresis Lab (2022-23)

Sl. No.		2024–25
1.	PBSC harvests	133
2.	SDP apheresis	1807
3.	Granulocyte apheresis	40
4.	Hemogram	2933
5.	Plasma exchange	03

DR. ATUL BATRA (Additional Professor)

Item	2022–2023	2023–2024	2024–2025
OPD consultations	8000	9000	10000
Special clinic consultations	1500	2000	2500

(A) PCR based services (Real time PCR) for Cancer patients for quantification of Bcr Abl transcript for CML patients. (Approximate Annual Load- 550 Approx)

- Detection of fungal infection in the department of Medical Oncology. By **ELISA** technique, we detect Galactomannan antigen presence in serum and bronchoalveolar lavage (BAL) fluid to monitor the fungal infection in patients during induction chemo therapy and bone marrow transplantation. Total **1148 patients samples (serum)** have been tested for *Aspergillus* infection during April' 2024 - March'2025

1. Conventional and molecular cancer cytogenetic for 428 Leukemia patients.
2. Enumerstion of hematopoietic Stem cells (CD34) in Aphersis Samples 72 patients

Medical Physics

No. of blood bags irradiated	19025
Quality Assurance tests done on x-ray machines	5672
Radiation output measurements in x–ray units	1119
Advices in inadvertent exposure in pregnancy	*02*
Radiation Protection Survey measurements	93
QA tests done on lead aprons at AIIMS	262
Total	**26173**

Preventive Oncology

Preventive Oncology Clinics started in April 2022

Item	**2022–2023**	**2023–2024**	**2024–2025**
No of participants screened (oral, breast and cervical cancers)	272	269	355
EHS Participants vaccinated	50	115	82
Non EHS Participants vaccinated	0	255	373

Community /Outreach Services

Item	**2022–2023**	**2023–2024**	**2024–2025**
Screening camps	2	4	3
Vaccination camps	0	2	10
Awareness camps/Talks	10	18	42
Training programmes	5		2

Radiation Oncology

Sl No.	Radiation oncology	Number
1	Total fractions of external beam radiotherapy	82082
2	Total cases of brachytherapy	1049
3	Treatment Planning and Simulations	3881
4	2D and 3D distribution	3616
5	Compensators	352
6	Shielding blocks, immobilization devices, moulds	3124
7	Radiation Review clinic	14158

8	Planning CT	2571

Patient care*(other items may be added/removed as per activity of department)*

Item	2022–2023	2023–2024	2024–2025
OPD consultations			
Special clinic consultations			
Patients provided rehabilitation services			
Total inpatient admissions			
Laboratory Investigations			

(b) community services/camps, etc.

Surgical Oncology

Facilities available in the Department:

1. Inpatient Beds 45 (BRA-IRCH) & 64 (NCI)
2. Major Operation theaters – 4 (IRCH) & 3 (NCI)
3. Endoscopy and Minor OT Complex – 1 each at IRCH and NCI
4. MDT Organ Based Special Clinics and OPDs (10 each at IRCH and NCI).

Special Advanced Oncology Programs

1. Robotic Surgery Program
2. Oncoplasty and Reconstructive Oncology program
3. Thoracic oncology clinic
4. Hepato-biliary and pancreatic clinic
5. Peritoneal Surface Malignancy & HIPEC program.
6. Minimally Invasive Surgical Oncology Program
7. Cancer Genetics and Risk reducing Surgery Program
8. Palliative Surgical Oncology Program

Census (Patient care Services)

Item	2023–2024		
	IRCH	NCI	Total
OPD consultations	28363	17254	45617
Total Number of Major Surgeries	1523	1041	2564
Total number of endoscopies & Minor surgeries/ Procedures	8215	2021	10236

Nursing Services

1. **Preventive Oncology Clinic Activities**

   - Nurses supported and participated in **Preventive Oncology Clinics**, providing screening services and counselling to patients.
   - Helped streamline patient flow and ensured thorough documentation of screening results.
   - Two Nurses are posted in Preventive oncology clinic for doing HPV vaccination, Cancer screening and Cancer Awareness sessions in Hospitals, schools and community under the supervision of faculty

2. **Wound and Stoma Nursing Care Services**

- Wound and Stoma Nursing Care Services provide specialized support for patients with acute, chronic, or complex wounds, as well as those living with a stoma. These services focus on comprehensive assessment, personalized care planning, education, and ongoing management to promote healing, prevent complications, and enhance quality of life. Wound care nurses use evidence-based techniques for pressure injuries, diabetic ulcers, surgical wounds, and more, while stoma care includes pre- and post-operative support, stoma site marking, appliance fitting, skin care, and patient counselling.

Yearly Census for Year 2024- Wound and Stoma Care Unit

MONTH	AREA	STOMA	WOUND	BEDSORE	TOTAL
JANUARY	IPD	99	112	21	232
	OPD	17	113	01	131
FEBUARY	IPD	120	112	27	259
	OPD	25	119	01	145
MARCH	IPD	118	139	23	280
	OPD	22	122	00	144
APRIL	IPD	71	74	58	203
	OPD	15	78	03	96
MAY	IPD	90	49	17	156
	OPD	21	75	01	97
JUNE	IPD	96	84	03	183
	OPD	23	81	00	104
JULY	IPD	68	101	22	191
	OPD	12	76	00	88
AUGUST	IPD	59	80	25	164
	OPD	10	71	00	81
SEPTEMBER	IPD	71	74	42	187
	OPD	17	79	02	98
OCTOBER	IPD	40	115	09	164
	OPD	15	102	00	117
NOVEMBER	IPD	54	134	16	204
	OPD	10	120	00	130
DECEMBER	IPD	55	108	23	186
	OPD	14	75	00	89

Total patient from January to December 2024= 3955

3. **Infection Control Nursing Services**

- The Infection Control Nursing Services department actively contributes to patient safety and infection prevention through year-round awareness initiatives and staff training. Key health events were observed to promote hygiene and infection control practices, including Patient Safety Awareness Week (March 4–15), World Health Day (April 7), World Hand Hygiene Day (May 5), Global Handwashing Day (October 15), and World Antimicrobial Awareness Week (November 18–24). These events served as platforms to educate healthcare staff and the public on critical topics like hand hygiene, antimicrobial resistance, and safe care practices. In addition, regular training sessions were conducted for hospital attenders, sanitation workers, and nursing staff to reinforce infection control protocols and ensure a clean and safe hospital environment.

STAFF CARE SERVICES

- Collaborated with Preventive Oncology and Surgical Oncology Departments to conduct a dedicated cancer screening

camp for IRCH staff at Room No 60, IRCH OPD.30 Female staffs were screened for breast cancer.

- Provided comprehensive health check-ups and screening tests, ensuring early detection and intervention for staff members
- Poster Competition was conducted for nursing staff on the topic breast cancer awareness
- Observed Cytotoxic Drug Safety Awareness Month in the month of September every year with a focus on safe handling, administration, and disposal of hazardous medications.

CELEBRATIONS AND RECOGNITIONS

Nurses Day Celebration

- On May 12th, International Nurses Day was celebrated to honor and recognize the contributions of nursing staff in the year 2023 & 2024
- Organized activities included felicitation of exemplary staff, guest lectures, and motivational sessions focusing on nursing excellence and teamwork.

QUALITY INITIATIVES

1. **Kayakalp Programme**
   - Successfully implemented the Kayakalp Programme, aiming to enhance cleanliness, hygiene, and infection control practices within nursing units.
   - Routine audits and assessments were conducted to measure compliance and identify areas for improvement.
2. **SwachhtaPakhwada Programme**
   - Actively participated in the **SwachhtaPakhwada initiative**, promoting a culture of cleanliness and hygiene among **staff, patients, and visitors**.
   - Special drives were conducted to clean wards, patient waiting areas, and other common spaces every year 1st to 15 April.
   - Organized poster making competition, slogan making competition, and painting competition for various categories of staffs of IRCH including HAs, SAs, Nursing staff, Resident doctors and office staff

EMERGENCY PREPAREDNESS

Fire Mock Drills

- Regular fire safety mock drills were conducted in collaboration with the hospital administration and fire department.
- The objective was to test and enhance emergency response times and procedures among nursing staff.
- Last Fire mock drill was conducted at Surgical Oncology ward 5th Floor on 20 March 2025 at 10 PM. Detailed report on this event submitted to hospital administration and fire department.

Conclusion

- The Nursing Department has demonstrated unwavering commitment to excellence in patient care, community outreach, and professional development. Through active involvement in educational programs, quality initiatives, and clinical services, the department continues to uphold the highest standards of nursing care.

Dietitics Unit

In-Patient Services

Daycare Service				
No. of Good Day Biscuits Packet Distributed	2nd Floor IRCH	New Private Ward	RTCT GF	Room no 15, GF
2024	21456	10760	444	2220
Jan-April 2025	6984	3880	582	2910

Therapeutic In-Patient Diet Councelling		
Total no. of Diet Councelling Done	2024	Jan -April 2025
	581	55

In-Patient Diet Consultation		
Total no. of Consultation Review	2024	Jan –April 2025
	40	10

Out-Patient Services

OPD timings & days: 2:30 PM to 5:00 PM, Monday to Friday

Therapeutic Out Pateint Diet Councelling		
Total no. of Diet Councelling Done	2024	Jan -April 2025
	2569	449

The Dietetics Department in Dr. BRA IRCH have printed out educational reading handouts both in English and Hindi languages in the form of pamphlets entitle “Hints for Cancer Patient Care”. These pamphlets are distributed out to all in-patients, out-patients and day-care patients who are receiving different cancer treatments within the Centre.

Physiotherapy Unit

Inpatient Services:

Physiotherapy care is provided to cancer patients admitted in the Intensive Care Unit (ICU), Surgical Wards, Medical Oncology Wards, Radiotherapy Wards, Bone Marrow Transplant (BMT) Unit, and Palliative Care Unit. Patients with conditions such as Breast cancer, Head and Neck cancers, Bone and Soft Tissue sarcomas, Acute and Chronic myeloid leukemias (AML, CML), Multiple Myeloma, Gastrointestinal and Thoracic cancers benefit from tailored physiotherapy interventions focused on pain relief, respiratory support, functional recovery, and overall quality of life enhancement.

Outpatient Services:

Outpatient physiotherapy is extended to pre- and post-operative patients with diagnoses including Ca Breast, Ca Oesophagus, Ca Tongue, Ca Colon, Ca Rectum, Ca Stomach, Ca Pancreas, Ca Gall Bladder, thoracic Cancer. Physiotherapy care also provide to patients with Bone Metastasis, Brain Tumours (Astrocytoma, Glioblastoma, Glioma), Metastatic Spinal Cord Compression, Vertebral Fractures, Lymphoedema etc. Treatment modalities include chest physiotherapy, limb physiotherapy, gait and balance training, muscle strengthening exercises, manual lymphatic drainage, multi- layer bandaging, application of lymphapress machine and the provision of orthotic support and mobility aids.

Prehabilitation and Respiratory Care:

Prehabilitation services are provided for patients scheduled for surgery and include deep breathing exercises, incentive spirometry, and chest physiotherapy to optimize surgical outcomes. The department also performs Pulmonary Function Tests (PFTs) and develops individualized respiratory care plans based on PFT analysis to ensure optimal respiratory function pre- and post-operatively.

The physiotherapy unit continues to play a pivotal role in the holistic management of cancer patients, aiming to restore mobility, enhance recovery, and improve overall patient well-being.

Patient Statistics

The Physiotherapy Unit at IRCH has consistently expanded its outreach, delivering essential rehabilitative care to a growing number of patients across both outpatient and inpatient settings. The department caters to patients from various specialized units including Intensive Care Unit, Surgical Oncology, Medical Oncology, Radiation Oncology, Bone Marrow Transplant(BMT Unit), Palliative Care Unit etc.

The following table presents a year-wise summary of the number of patients who benefited from physiotherapy services over the last three years:

Service Area	2022–2023	2023–2024	2024–2025
Outpatient Department (OPD)	2947	2415	2317
Intensive Care Unit (ICU)	1152	1145	1419
Wards (Surgical Oncology, Medical Oncology, Radiation Oncology, Palliative Care Unit)	3978	4247	4272
Total	8077	7807	8008

The steady year-on-year increase in patient numbers reflects the growing demand for physiotherapy services, as well as the department's continued commitment to providing high-quality, multidisciplinary care aimed at enhancing the functional recovery and overall well-being of cancer patients.

Medical Social Welfare Unit

PATIENT CARE:

- The decentralisation in the form of ASK IRCH since 14th April 2024, contributed to 182% increase in the number of Ayushman Bharat beneficiaries from 2384 in FY23-24 to 6687 in FY 2024-25.
- Orientation on Cancer Patient's Welfare Services to approx. more than 125 Doctors and Nurses from 07 Nodal centers and more than 50 districts in North India.

DATA 2024-25 MSWU IRCH

Patient Care/Medical Social Welfare Services at IRCH						
	FY 2022–2023		FY 2023–24		FY 2024–25	
CATEGORY	No. of Beneficiary	Rs.	No. of Beneficiary	Rs.	No. of Beneficiary	Rs.
AB-PMJAY	1752	*	2384	*	6687 (March)	*
REVAMP RAN	24	23350000	35	38500000	63	77600000
HMDG	3	375000	--**	--	--**	--
PPF	219	2190000	204	2040000	97	97000
Railway Concession	17794		20335		26524	NApp
Exemption Record	11030	15011645	11836	13825900	8957	20118924
RT Charges Exemp.	85	63750	78	58500	71	53,250
Medicines and surgicals to ward patients LP	246	*** available with store	277	***	245	*** available with stores
Patient's Bill	1135	90182391.72 ****	1080	2902617165 ****	1560	NA
Amrit Bills	1442	432628655 ****	488	7325494.6 ****	4117	75167661
DAK	facilitated		facilitated		47 *****	5450000
Total of the FY	32,946		36,717		41,681	

* Partially assessed

** High cost estimates, this amount preferred from other schemes due to amount and time restrictions

*** may be accessed from stores IRCH

**** may not be mentioned

*****(Give total sanctions of DAK)(applications prepared but patients submitted directly)

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Diagnostic and Interventional Onco-Radiology

Professor Chandrashekhara SH Won first prize in 'Innovation IR' category for Indigenously Designed and Fabricated Auxetic Vascular Stents using the Laser Powder-bed Fusion Technique: My Journey From Scratch To Stents!!!.at 25th Annual Conference of Indian Society of Vascular and Interventional Radiology at Kochi. February 6-9 2025. Awarded " Vishisht Seva Puraskar' at the Mysore Medical college centenary function on 29 October 2024. Adjunct faculty in Department of Mechanical Engineering at IIT Delhi.

Dr Mukesh Kumar was Appointed as Joint Secretary for Society for Emergency Radiology India for 2024-25. Elected as Secretary of Delhi ISVIR for 2024-25.

Dr Ekta Dhamija was Editor-in-Chief of Indian Journal of Breast Imaging (2024-2027). Associate Editor of Indian Journal of Radiology and Imaging (IJRI). IJRI Editor's Reviewer Award 2023 – Presented at the AOCR conference in January 2025. Member – Indian Society of Vascular and Interventional Radiology (ISVIR), Society of Emergency Radiology (SER), Society of Gynecological Imaging and Intervention India (SOGII), Breast Imaging Society of India (BISI), IRIA, IGCS, RSNA.

Dr Krithika Rangarajan was Editor of the journal "Scientific Reports", a part of the Nature group of journals. Working committee member of the "National Medical Journal of India". Represented India's view on Artificial Intelligence in health in the Joint Working Group meeting between India and France in Paris. Represented India's view in Digital Health in the technical committee meeting of the BRICS Summit. Led the group of investigators that culminated into AIIMS being awarded the status of "Centre of Excellence for AI in Health" by the Ministry of Education, also a member of the group working in the "Centre of Excellence in AI" by the Ministry of Health and Family Welfare

Laboratory Oncology

Professor Ritu Gupta Delivered Dr. Multi Sathe Oration on "Deciphering Temporal Progression and Clonal Hierarchies to Unveil Pathogenesis at "65th Annual Conference of the Indian Society of Haematology& Blood Transfusion (ISHBT)" Haematocon 2024, Hotel Centre Point, Nagpur. Visiting Scientist at Necker Enfants Malades Hospital, GHU-Ouest Paris.

Professor Sanjeev Kumar Gupta received Best Oral Paper Presentation award at the 25th Annual Academic Sessions of Sri Lanka College of Haematologists- Haem Icon 2024, 27-28 September 2024, Colombo, Sri Lanka. ICKSH award granted to present research paper at the 66th annual conference of the Korean Society of Haematology, ICKSH 2025 at Seoul, South Korea. DST-ANRF travel grant to present research paper at the 66th annual conference of the Korean Society of Haematology, ICKSH 2025 at Seoul, South Korea. Invited as Judge for the Oral paper session at the DSH Annual Meeting, 1st September 2024, AIIMS, New Delhi. Invited as Judge for the poster paper session at the AIIMS Research Day, 29 January 2025, AIIMS, New Delhi. Invited for the panel discussion by the Mumbai Hematology Group, a. "Demystifying the marrow pathology in dry tap", 24 August 2024, b. "Pattern based approach in flow cytometry", 7 September 2024, c. "ALL-an update on management", 9 March 2025, d. "Relapsed refractory Multiple Myeloma", 16 March 2025.

Professor Anita Chopra attended 4th AIIMS Annual Research Day, 2025. Merla SV, Singh J, Benjamin M, Palanichamy JK, Bakhshi S, Chopra A. Understanding PAX5-driven subtypes in B-ALL: A comprehensive analysis. Platform presentation-undergraduate (First prize). Fellowship of IMSA.

Professor Pranay Tanwar received Global Breast Cancer Conference award GBCC Scholarship for MUTATIONAL PROFILE OF HOMOLOGOUS RECOMBINATION REPAIR (HRR) GENE IN TRIPLE NEGATIVE BREAST CANCER IN INDIAN PATIENTS GBCC 2024 25-27 April 2025, 2025 the Japanese Society of Medical Oncology Annual Meeting Travel award from Japenese Society of Medical Oncology Annual Meeting 6-8 March 2025, held at Osaka, Japan, Granted Fellowship of International Medical Science Academy, Chaired a scientific session/ faculty in workshop at ANNUAL CONFERENCE OF INDIAN ACADEMY OF CYTOLOGISTS UP CHAPTER between 14 to 15 September 2024 Varanasi UP. Participated as Panelist in discussion of Future of Organ Donation in Chitin Shivir on Organ Donation & Transplantation held at 30 & 31 August 2024 at Conference Hall, 5th Floor, NCVBDC Building, NCDC Campus, 22 Sham Nath Marg Civil Lines, New Delhi. AIIMS Research Excellence certificate award for the publishing manuscript entitled as Whole exome sequencing identifies novel variants of PIK3CA and validation of hotspot mutation by droplet digital PCR in breast cancer among Indian population on AIIMS Research Day celebration 30 January 2025.

Professor Amar Ranjan Finding etiology of chemotherapy-induced neurotoxicity in the treatment of ovarian cancers, May 29-June 02, 2024, Annual Conference of Japanese Society of Neuropathy, Tokyo. AWARDS TO STUDENTS. Jayashimman V, MBBS, Roll No 3745, 8th semester, Khorana Program for scholars 2024, Indo- US Science & Technology Forum, DBT. Sayak Biswas, Roll No. 3725, 6th Semester, Research Elective At Johns Hopkins University, Baltimore, USA (6 weeks), 1 July-15 August 2024, Cardiac Pathology. Soyeb Aftab, Roll 3734, 6th semester, Research Elective At Johns Hopkins University, Baltimore, USA (6 weeks), 1 July- 15 August 2024, Neuro- Radiology.

Dr Deepshi Thakral won Third prize in oral presentation at I-OSICON 2025, 6th Annual Congress of Immuno Oncology Society of India, Bhubaneswar, Odisha from 31 January to 2 February 2025. Member Organizing committee, Inaugural Conference, EVOLVE2025, 24-26 March JLN Auditorium, AIIMS, New Delhi. Workshop coordinator for "Comprehensive hands-on Workshop on Isolation and Characterization of Extracellular Vesicles. Organized by Indian Society for Extracellular Vesicles (InSEV).

Dr NgangyolaTuikhar was Appointed as Quality Manager for the NABL (National Accreditation Board for Testing and Calibration Laboratories) accreditation of Laboratory Oncology, which includes making policy, coordination and implementation of the policies. By aligning our processes with standard guidelines ISO 15189:2022, we aim to provide accurate and reliable patient care services. The NABL accreditation will not only validate our existing practices but also drive continuous improvement and excellence within the department.

Saroj Singh was Invited as panelist at National Hematology Update-XIII from 31st January to 2nd February 2025 for CME on Hematology Laboratory Technologies Technique held at JLN Auditorium, AIIMS, New Delhi. Organizing Chairman for NMLPW-2024. Organizing Chairman for 5th National Conference for ICMLS-2024.

Medical Oncology

Professor Sameer Bakhshi received RV Lokeshwar's Memorial oration award for work towards research and management of hematological conditions and cancer in children and exemplary contributions in the year 2024 by PHOCON. 8th Annual Year-End Review in Lung Cancer 4th Cancer Research and Statistics Foundation Oration 2024.

Professor Ajay Gogia Fellowship Fulbright-Nehru Academic and Professional Excellence Fellowship (2024-2025). Received award Medows National Award 2025 (outstanding contribution in the field of Medicine). Cancer Summit 2025 Award for Breast Cancer Care Excellence 2025.

Dr Atul Batra received Young Investigator Award 2025, GBCC, Seoul, South Korea. International Innovation Award, ASCO 2025.

Dr Raja Pramanik Invited as an expert Medical oncologist to participate in the Indonesian Gynecological oncology ECHO-Tumor Board under the aegis of the International Gynecological Cancer Society (IGCS). Mentoring startup in the Centre for Medical Innovation and Entrepreneurship (CMIE) at NCI-AIIMS, Jhajjar to develop a low-cost academic HRD assay for ovarian cancers. Community Service: As a part of the team of doctors from AIIMS, New Delhi, I contributed to the medical camp for Tibetan refugees organized by Patient Care Trust (PCT) at Bylakuppe, Coorg, Karnataka, 25-28, July 2024.

Dr Chandra Prakash Prasad received 'AWARD FOR HONOUR' by Department of Bioresources at University of Kashmir, Srinagar-October 2024. "GBCC Scholarship Award-2025" conferred by Global Breast Cancer Conference Consortium, South Korea-March 2025. Life member of Society of Biological Chemists, India (No 4784); Membership no. 4784; 2024 onwards. Life member of Society for Ethnopharmacology (SFE-INDIA); Membership no. SFE/24/I-3007; 2024 onwards. Elected as member of the Royal Society of Biology (RSB), London; Membership no. P0157916; October 2024 onwards

Dr Thoudam Debraj Singh received Best Poster award at 50th Annual Meeting of Korean Cancer Association 2024/10th International Cancer Conference, at Seoul, South Korea. International Travel grant award at 17th Annual Meeting of the Korean Society of Medical Oncology & 2024 International Conference (KSMO 2024). AIIMS Best poster award in Basic Sciences for 2024 (Third prize)- at 4th Research Day organized by the Research Section, AIIMS, New Delhi on 30 January 2025. Review Committee in National Bodies: Expert project review committee (PRC): Nanotechnology/ Nanomedicine (ICMR). Special Expert Committee (PRC): Health Science, (ANRF).

Dr Mayank Singh Received Precision Medicine and Future of Genomics (PMFG) 2024 Summit Travel award from PMFG Summit Organizing committee Sidra Medicine in order to Deliver a Talk at PMFG Summit 2024 at Sidra Medicine Doha Qatar. Second Place AIIMS Research excellence Award at AIIMS 4th Annual Research Day on 30th January 2024. Received ICMR-International Travel Grant by PhD Student to attend EACR 2024 Congress in Rotterdam. Received DST-SERB International Travel Scheme, AIIMS Travel Grant by Post Doctorate fellow to attend AACR 2024 Congress in Sandiego, California. Received Sita Devi award for the best published paper by a PhD scholar in 2024 in 50th Annual Conference of the Association of Clinical Biochemists of India (ACBICON 2024). Received AIIMS Travel Award by PhD Student to attend AACR 2025 Congress in Chicago Illinois, U.S.A. Received ICMR-International Travel Grant by Post Doctorate

fellow to attend AACR 2025 Congress in Chicago Illinois, U.S.A. Received EACR Travel Grant by Post Doctorate fellow to attend EACR 2025 in Lisbon, Portugal.

Dr Babita Kataria ESMO-ICF Clinical Unit Visit Fellowship 2024 – selected as a fellow for the clinical unit visit program of the International Cancer Foundation at the Comprehensive Clinical Trials Unit, University College of London. Dr. Edward Kennedy Memorial Award for best oral presentation for abstract "Olanzapine to improve Quality of life in metastatic solid cancer patients on chemotherapy: Phase II randomized placebo-controlled trial" at the 8th World Cancer Congress, New Delhi, India (March 2024). ESMO Virtual Mentorship Programme 2024-2025 – selected as one of the mentees for the programme. Sun Pharma Clinical Research Fellowship 2025 – Received fellowship award to support research project " Role of HPVctDNA as a prognostic and predictive biomarker in locally advanced cervical cancer. Young Investigator Travel Grant - GCIC CCCC-CR, Gynecologic Cancer Inter Group, 1st Cervical Cancer Consensus Conference- Clinical Research. Actively participated in drafting consensus statements and manuscript writing. Participated in brainstorming Session Equity, Diversity, and Inclusion in Clinical Research at the GCIG Spring Meeting 2024.

Dr Aparna Sharma International Association for study on Lung Cancer (IASLC) /LCFA/ BMS Diparities in Clinical Oncology Research Grant 2023 for project entitled "Comprehensive genomic characterization of young onset lung adenocarcinoma in India (YOLA-I study)". at the WCLC 2024 San Diego. Term extended as member of the Rare Tumor Committee and Thymic tumor subcommittee of International Association of Study of Lung Cancer (IASLC) for a two-year term beginning 2023. Recipient of ASCO IDEA award at ASCO Annual meeting 2024 and proceeded to visit to mentor institution Dana Farber Cancer Institute, Harvard, Boston to the Lank's center of GU oncology 5-8 June 2024.

Medical Physics

Professor Pratik Kumar is Member, site visit panel constituted by Biotechnology Industry Research Assistance Council (BIRAC) to evaluate a project to develop contrast dye for CT at Thiruvananthapuram, under Small Business Innovation Research Initiative (SBIRI) programme; Principal Investigator for the Indian part of the International Atomic Energy Agency (IAEA) coordinated project "International study of patient doses and tissue reactions from fluoroscopically guided interventional procedures"; Expert, Medical Physics panel for academic and research activities, Shobhit University of Engineering & Technology, Meerut; External expert for the selection of DRDO JRF (Physics) at INMAS, DRDO, New Delhi; Reviewer for the manuscript submitted to Radiation Measurement (Elsevier), Radiation Physics and Chemistry (Elsevier), Inorganic Chemistry Communications (Elsevier) and Journal of Medical Physics; Member, Project Review & Steering Group constituted by Ministry of Electronics & Information Technology (MeitY) to steer the development of Blood Irradiator by the Society for Applied Microwave Electronics Engineering & Research (SAMEER), IIT, Powai, Mumbai; Reviewer for the projects submitted for funding to BIRAC, DBT under Biotechnology Industrial Partnership Programme (BIPP), Small Business Innovation Research Initiative (SBIRI) and Promoting Academic Research Conversion to Enterprise (PACE) programs; Reviewer for the manuscript submitted to Radiation Measurement (Elsevier), Radiation Physics and Chemistry (Elsevier), Inorganic Chemistry Communications (Elsevier) and Journal of Medical Physics; Examiner, Bachelor of Medical Imaging Technology, SVMMMC & Safdarjung Hospital, New Delhi; MSc in Medical Imaging Technology, GTB Hospital, New Delhi; Question setter for BSc Radiography Technology at IGIMS, Patna; Continued to be (i) Member, Editorial Board, Indian Journal of Radiology & Imaging (IJRI) (ii) Member, Editorial Board, Journal of Medical Physics (JMP) (iii) Founder Editor, Medical Physics Gazette, the newsletter of Association of Medical Physicists of India (AMPI) (iv) Member, Electromedical and Diagnostic Imaging and Radiotherapy Equipment Sectional Committee, MHD-15, Bureau of Indian Standards (BIS), New Delhi.

Dr Raj Kishore Bisht was Vice-Chairman AMPINC for session 2024-2027. Invited as a panellist in the annual conference of AMPI-NC of 2024 at Rajiv Gandhi Cancer Institute and research centre Rohini Delhi during 13– 14 April 2024. RSO for AIIMS-CAPFIMS since 29 April 2024 till date. Member of committee to look after AERB related approvals and works for AIIMS-CAPFIMS. Invitee for the advisory committee constituted for the installation of new Cyclotron in nuclear medicine department AIIMS. Liaisoning personnel for data collection: Medical Physics Unit Dr BRA IRCH 21 October 2024. Completed American Heart Association (AHA) certified two days Basic Life Support and Advance Cardiovascular Life Support (BLS & ACLS) course and training during 22-23 August 2024. Ph.D. co-guide Mr Ashish Binjola, Department of Radiation Oncology on "Development of gel bolus and patient-specific phantom with additive manufacturing for radiation dosimetry" 1 August 2023. Member selection committee, for Medical Physics recruitment at Lady Hardinge Medical College 19 November 2024. Paper setter for BSc Medical Radiotherapy Technology for 1st and 3rd year, Pt B D Sharma University of Health Sciences Rohtak, November 2024. Examiner for practical /oral examination BSc Radiotherapy technology 1st and 3rd year, PGIMS Rohtak 26 December 2024. Subject expert/ member selection committee for Physicist recruitment at Pt B D Sharma University of Health Sciences, Rohtak 28 January 2025. Participated in 3 day programme on implementation of NABH 6th editionstandards for hospitals 16-18 January 2025.

Onco Anaesthesia & Palliative Management

Professor Seema Mishra was Chairperson, IAPC Holistic Approach in Cancer Pain Management, 28-29 April 2024, AIIMS-NAMS DELHI. Chairperson: Oral paper presentation, IAPCON 2025, 31 January 2025, JAMMU AIIMS. Chairperson:

Session "Critical care management in Pulmonary Patients in ICU, PULMOCRIT 2025, 22 March 2025, AIIMS, New Delhi. Chairperson, 10th CME of Delhi IAPC SIMULATION IN PALLIATIVE CARE EMERGENCIES, 29 March 2025, Safdarjang Hospital New Delhi.

Professor Rakesh Garg Organizing Committee Member, AIIMS-NAMS joint CME joint CME on Cancer Pain: Holistic Management, 28 April 2024, New Delhi. Workshop Coordinator – Airway Management in Critically Ill, EUROASIA 2024, Organised by ESICM and ISCCM, 20-23 June 2024, Bengaluru. Judge: -Oral podium presentations, 6th Annual Conference of Society of Onco-Anesthesia and Perioperative Care, 2-4 August 2024, Bengaluru. Workshop Director – Research Methodology, 5th International and 15th National Conference of Indian College of Anaesthesiologists, 12-15 September 2024, Lucknow, Lucknow. Workshop Director (Research Methodology and Publication), 71st Annual Conference of Indian Society of Anaesthesiologists, 20-24 November 2024, Patna. Judge: Dr TN Jha and Dr. K.P. Chansoriya Memorial National Medical and Travelling Grants;, 71st Annual Conference of Indian Society of Anaesthesiologists, 20-24 November 2024, Patna. Judge: ISA Ludhiana best Poster National Award and Travelling Grants; 71st Annual Conference of Indian Society of Anaesthesiologists, 20-24 November 2024, Patna. Judge: ISH Narani best Poster National Award, 71st Annual Conference of Indian Society of Anaesthesiologists, 20-24 November 2024, Patna.

Dr Brajesh Kumar Ratre was Chairperson: Shapping tomorrow's care: Regional Anaesthesia, HP- State Anaesthesia Conference 2025, 30-31 March 2025, Nahan, H.P. Course co-ordinator, CCPCP, IAPC, 2 September 2024, Online. Judge: Competitive paper presentation, Delhi ISACON, 27-29 September 2024, New Delhi. Course co-ordinator, FCPCP, IAPC, 29 March 2025, Online.

Preventive Oncology

Dr Pallavi Shukla was Review Committee member nominated by DMEO of NITI Aayog for evaluating Ayushman Bharat Health and Wellness Centre. Task force member of National programme for prevention and control of cancer, diabetes, cardiovascular diseases and stroke (NPCDCS) for Delhi State. Nominated member of House Allotment and Advisory Committee of AIIMS, New Delhi. Best e poster- Session on health system-51st Annual IAPSM Conference in 2024.

Radiation Oncology

Prfessor Subhash Gupta Appointed as a member of Speciality board of Radiation Oncology, National Board of Examination in Medical Sciences. Recognition award by Dalai Lama Patient care trust foundation.

Professor Haresh KP was Member of Project review committee (PRC) in Oncology of Indian Council of Medical Research (ICMR), New Delhi. International Steering committee member for the ARANOTE Study-Darolutamide in Prostate Cancer. Lead Principal Investigator for India for the international ARANOTE Study of Darolutamide in Prostate Cancer. Coordinator and Expert for DNB OSCE for Radiotherapy at National Board of Examinations. Co-ordinator for the DNB practical examination in radiotherapy at National Board of Examinations. Appointed as NBEMS assessor to assess the suitability of Radiation Oncology department at Metro Hospital and Cancer Institute, Preet Vihar to run DNB/DrNB/FNB programme in December 2024. Appointed as external expert for Assistant professor interview in Delhi state cancer institute on 26 July 2024.

Professor Ahitagni Biswas ICMR-DHR international fellowship for young Indian biomedical scientists 2023-24 at the Proton Therapy Centre, Department of Clinical Oncology, The Christie Hospital, Manchester, UK for 12 months with effect from 2 October 2024. Additional Academic Activities: Peer reviewed 4 manuscripts for PUBMED-indexed journals in 2024-25. Examiner in FRCR2b National course (The Christie School of Oncology, Manchester, UK) in October 2024

Dr Subramani V Elected as Vice-President of Association of Medical Physicists of India (AMPI), April 2024. Nominated as Chairman, Publication Committee of Asia-Oceania Federation of organization for Medical Physics (AFOMP), October 2024. Expert Member Selection Committee of AIIMS, Bibinagar, Telangana for the selection of Medical Physicist for the Department of Radiation Oncology on 20 November 2024. Developed Technical Specifications for two high energy linear accelerator for our department of Radiation Oncology at Dr. B. R. A. IRCH, AIIMS Delhi. Developed of Technical Specifications & Setting up of Radiation Oncology Program Other AIIMS Hospitals, M/s HLL, MoHFW, GoI. Organized the Two Radiation Safety Committee (RSC) of Institute AIIMS Delhi meetings during this period as Member-Secretary of RSC. External Doctoral Committee Member for PhD Scholar Mr. M. Sasindran at Crescent Institute of Science & Technology (Deemed to be University), Chennai, February 2025. External Examiner for PhD Viva-voce exam of Ms. Gowri. B, on 20 November 2024 Online, VIT, Vellore, Chennai.

Dr Gopishankar N Awarded DHR-ICMR short term international fellowship for the year 2024-2025. Won first prize award in 4th AIIMS Annual Research Day celebration held on 29 and 30 January 2025 (Innovative devices category). Won third prize award in 3rd AIIMS Annual Research Day celebration held on 30th January 2024 (Innovative devices category).

Associate Editor and Member of International Advisory subcommittee in Radiological Physics and Technology Journal (RPTE). The Official Journal of Japan Society of Medical Physics (JSMP), and the Asia-Oceania Federation of Organizations for Medical Physics (AFOMP). Elected as an Executive Member of Association of Medical Physicists of India (AMPI) an affiliate of the International Organization for Medical Physics. Patent granted by IPR, New Delhi - Indian Patent Application Number 201811037535: "An apparatus for verification of radiosurgery using film dosimetry". Patent filed in IPR, New Delhi - Indian Patent Application No: 202111061290 "3D printed perineal implant template for Gynaecological cancer and prostate cancers". Provisional Patent file at IPR, New Delhi - Indian Patent application number: 202411087999 "Three-dimensional improved insert for radiosurgery". Member Secretary for AERB related activities for AIIMS-CAPFIMS, Maidan Garhi, New Delhi, India. Member Secretary for AERB related activities for AIIMS, Rewari, Haryana, India. Scientific Reviewer of "Scientific Reports" (Nature Portfolio Journal). Scientific Reviewer of "Journal of Cancer Research and Therapeutics" (Medknow Publications). Scientific Reviewer of "Journal of Medical Physics", (Official Journal of AMPI, India). Scientific Reviewer of "Radiological Physics and Technology" (Official Journal of Japan Society of Medical Physics).

Dr Dhanabalan Rajasekaran Chaired a session, titled "Radiation Oncology Physics" in the 45th Annual Conference of Association of Medical Physicists of India (AMPICON – 2024) which was held at Hyderabad, Telangana.

Dr Anjali VR UICC Technical Fellowship awarded by the Union for International Cancer Control following an international scientific review by experts. This is to enable Anjali V Ramdulari for fellowship on Precision radiotherapy in adult and paediatric brain tumours for a period of 41 days at the Roswell Park Cancer Institute, University of Buffalo, The State University of New York, United States of America. Chaired a Panel: Oligometastatic GI Cancer in a Multidisciplinary Framework 1st GIOS Conference: Theme- Bridging Horizons: Integrative Approaches to Upper Gastrointestinal and Hepatopancreatic biliary Malignancies Organized by: Department of Radiotherapy & Oncology, PGIMER, Chandigarh, India.

Dr Abhishek Shankar was International Summit Chair, 3rd IGCS IGCAN Cancer Survivors – Caregivers Congress, 15 October 2024. Co- chair – EDI Grant, IGCS IGCAN. Co-chair, International Advocacy Awards by IGCS, IGCAN. Secretary General, Asian Pacific Organisation for Cancer Prevention (APOCP). Scientific Chair of the 12th General Assembly and International Conference of Asian Pacific Organisation for Cancer Prevention. 18-21 September 2024, Bishkek, Kyrgyzstan. Member, Program Committee in track Risk Factors, Risk Prevention and Tobacco Control of World Conference on Lung Cancer (WCLC) 2024. 6-10 September 2024, San Diego, USA. 50th IASLC World Conference on Lung Cancer (WCLC) 2024. 6-10 September San Diego, USA. Chair an education session on Lung cancer risk factors beyond smoking. Poster lead in Risk factors, risk prevention, and tobacco control. National-Member of Punjab State Oncology Expert Committee and Steering Committee on establishing Cancer Care Pathways in Punjab by the Department of Health and Family Welfare, Government of Punjab. Organizing lead on World Cancer Day Program, 4 February 2025, Dr Ramalingawamy Board Room, AIIMS, Delhi. Chair a session in 28th NZAROI 2024, 19-20 October 2024. Gurgaon, India on Understanding of Oligo-metastatic disease. Award: UICC ICRETT Fellowship: Columbia University, New York, USA on "Empowering Lung cancer Screening in Primary care settings in India through learning development of point of care device via liquid biopsy." From 17 June 2024 to 14 July 2024.

Surgical Oncology

Dr Ashutosh Mishra- elected as National Representative – EYSAC European Society of Surgical oncology. Appointed as Member Scientific Committee- Society of Surgical Oncology, USA. Elected as Editorial Secretary, Indian Association of Surgical Oncology (2024-2025). Elected as Digital Secretary, Indian Association of Surgical Oncology (2024-2025). Elected as Director of Education, Association of Breast Surgeons of India. Elected as Treasurer and UICC Coordinator, Oncology Forum, Delhi. Appointed as Board of Directors- Breastics 24. Participated as invited guest in SSO Global partners Leaders Summit, Tampa, Florida.

Dr Jyoti Sharma invited as Section Editor in Indian Journal of Surgical Oncology. Organizing secretary of AIIMS Oncology Conclave, NCI held on February 15-16 2025 at NCI. Organizing Committee, ASOCON 2024 AIIMS Surgical Oncology Conclave, 6-7 September 2024. Organizing Committee, AOC 2025 – AIIMS Oncology Conclave, 15-16th February 2025, New Delhi

Dr Naveen Kumar - Fellow of American college of surgeon(FACS). Fellowship in robotic and innovative surgery(FARIS). Elected as Executive member, Delhi

oncology Forum. Elected as Executive member, Communication Committee.

Dr Babul Bansal elected as Executive member, Delhi oncology Forum.

Community Service

Dr Sunil Kumar is providing free cancer care services and student awareness for Cancer in Bihar & Jharkhand through an NGO, Chandrakanti Devi Cancer Foundation

Photographs

Preventive Oncology

Photographs



Poster Making Competition organized on the occasion of Cervival Cancer Elimination Day



Partnership with educational institutions; to ensure the continuity of cervical cancer awareness campaigns



Capacity Building: Empowering Healthcare Workers



Nukkad Natak Organized on the occasion of Breast Cancer Awareness Month with support of The Cancer Foundation, Rotary Club



HPV Vaccination Camps: Preventing Cervical Cancer at the Origin



Cervical Cancer Elimination Pledge Ceremony



Celebration of World Cancer Day in association with Tibetan Cancer Society

HPV Screenings Can Avert Cervical Cancer

10-15% Women In 30-60 Age Group +ve For Virus

Anuja.Jaiswal
@timesgroup.com

New Delhi: The persistent high-risk type of Human Papilloma Virus (HPV), a common sexually transmitted infection and main cause of cervical cancer, has been found positive in 10-15% of women in the age of 30-60 years when screened at AIIMS' Preventive Oncology Clinic in the last one year.

Cervical cancer is the second most common cancer among Indian women with 1,23,907 new cases and 77,348 deaths estimated in 2020, according to Global Cancer Ob-

The clinic, which runs twice a week at AIIMS, was started in April 2022. It found that of the 493 women tested, 33 tested positive for the high-risk type of HPV in a year. As January marks cervical cancer awareness month, it is a time to shed light on the importance of prevention and early detection of cervical cancer, doctors at AIIMS said.

Associate professor of preventive oncology Dr Pallavi Shukla advised that every sexually active woman (above 25 years of age) should go through HPV tests at regular intervals to help prevent cervical cancer. It may show up in symptoms such as irregular bleeding, post-menopausal bleeding or increased vaginal discharge. More severe symptoms may arise in advanced stages.

"Sometimes, there may be no symptoms at all. Therefore, it is essential that every woman who is sexually active must undergo regular screenings," she said, adding that HPV test results can be available in one hour and self-sampling is possible only in this method of screening.

Once a screening result is positive, the woman may require further tests, such as colposcopy, with or without biopsy. Any woman identified with a pre-cancer/cancer of cervix must be initiated into prompt treatment, the doctor said.

Research suggests that almost 60% of sexually active individuals will encounter an HPV infection once in their lifetime as the virus spreads through skin-to-skin contact. Doctors said that although over 90% of all new HPV infections go away on their own, some HPV types are persistent and may cause cervical cancer if left undiagnosed or untreated.

While HPV is a family of over 200 low and high-risk genotypes, almost 85% of cervical cancer cases in India are caused by the high-risk HPV 16 and HPV 18 types. The most common high-risk type, HPV-16, alone causes 50% of cervical cancers globally.

Dr Shukla added that almost all cases of cervical cancer are linked to persistent HPV infection. "Cervical cancer is a type of cancer that begins in the cells of the cervix, the lower part of the uterus that connects to the vagina. This cancer usually develops slowly over time, starting with precancerous changes in the cells of the cervix before progressing to an invasive cancer if left untreated," she said.

According to doctors, early detection through awareness, HPV vaccination and screening presents a crucial opportunity, with a high cure rate when managed in the early stages. The government is also planning to include a cervical cancer vaccine in the universal immunisation programme.

HOW TO LOWER RISK

One woman dies of cervical cancer every 8 minutes



Reduce risk
- Vaccinate early (9-14 years)
- Screening test regularly (25-65 years)
- Prompt treatment

HPV test
1) WHO recommends it as the primary screening test
2) Can give result within one hour
3) Self sampling is possible only through this method

Factors that may put one at risk
1) Multiple sexual partners
2) Having many children
3) Long-term use of oral contraceptive pills
4) Family history
5) Smoking
6) Early marriage
7) Unprotected sex
8) Early child birth

Signs and symptoms
1) Unusual vaginal discharge or bleeding
2) Heavier and longer menstrual cycle
4) Pain during intercourse
5) Unexpected weight loss
6) Pelvic pain
7) Loss of bladder control

DOCTOR SAYS

This cancer usually develops slowly over time, starting with precancerous changes in the cells of the cervix before progressing to an invasive cancer if left untreated

Advocacy through mass media for Cervical Cancer Prevention

कैंसर की रोकथाम के लिए प्रशिक्षित किए गए छात्र

बीआरडी मेडिकल कालेज



बीआरडी में कैंसर जागरूकता का प्रशिक्षण लेते कम्युनिटी मेडिसिन विभाग के रेजीडेंट डाक्टर व छात्र • सो. कैंसर अस्पताल

- हनुमान प्रसाद पोद्दार कैंसर अस्पताल का स्वर्ण जयंती वर्ष 16 फरवरी से
- बीआरडी के रेजीडेंट डाक्टर ब्लाकों में जाकर आशा को देंगे प्रशिक्षण

जागरण संवाददाता, गोरखपुर : हनुमान प्रसाद पोद्दार कैंसर अस्पताल का स्वर्ण जयंती वर्ष 16 फरवरी से शुरू होगा। हर ब्लाक में रेजीडेंट डाक्टर जाकर आशा कार्यकर्ताओं को कैंसर की रोकथाम के लिए प्रशिक्षित करेंगे। उन्हें इसका प्रशिक्षण बीआरडी मेडिकल कालेज में गुरुवार को दिया गया। प्रशिक्षण के बाद कम्युनिटी मेडिसिन विभाग के रेजीडेंट डाक्टर गोरखपुर-बस्ती मंडल के सभी ब्लाकों में जाकर आशा कार्यकर्ताओं को प्रशिक्षित करेंगे, ताकि आशा कार्यकर्ता गांव-गांव कैंसर जागरूकता की अलख जगा सकें।

हनुमान प्रसाद पोद्दार कैंसर अस्पताल एवं शोध संस्थान की ओर से बीआरडी के कम्युनिटी मेडिसिन विभाग में कैंसर जागरूकता प्रशिक्षण शिविर आयोजित किया गया। संस्थान के आशुष श्रीवास्तव ने कैंसर जागरूकता के लिए अस्पताल द्वारा किये जा रहे कार्यों एवं अस्पताल की सुविधाओं से लोगों को अवगत कराया। डा. पल्लवी शुक्ला, एसोसिएट प्रोफेसर प्रिवेंटिव आंकोलाजी एम्स, नई दिल्ली ने कैंसर स्क्रीनिंग का तरीका बताया।

एम्स नई दिल्ली की सीनियर रेजीडेंट डा. हुमा नवाज व डा. जितेंद्र ने मुंह के कैंसर के कारण व रोकथाम पर चर्चा की।

एम्स नई दिल्ली से ही आए डा. अथिरा मोहन, डा. बीआरए, डा. एचएसके राजू व डा. सुजाता पाठक ने ब्रेस्ट व सर्वाइकल कैंसर के लक्षण व बचाव की जानकारी दी। हनुमान प्रसाद पोद्दार कैंसर अस्पताल के सचिव उमेश कुमार सिंहानिया व संयुक्त सचिव रसेंदु फोगला ने अतिथियों व बीआरडी के प्राचार्य डा. रामकुमार जायसवाल को स्मृति चिह्न प्रदान कर सम्मानित किया।

इस अवसर पर कम्युनिटी मेडिसिन विभागाध्यक्ष डा. शालिनी सिंह, डा. आरपी व रेजीडेंट डाक्टर उपस्थित थे।

Medical Social Welfare Unit



1st beneficiary of Ayushman at ASK Dr. BRAIRCH



Panelist at Indian Cancer Society



CNE with AIIMS Hyderabad Nursing Officers



Swatchta Pakhwada: Orientation of sanitation workers at Jamia Millia Islamia on Govt. Welfare schemes

10.4 Dr Rajendra Prasad Centre for Ophthalmic Sciences

Chief & Professor of Ophthalmology

Jeewan S Titiyal (till 31 Dec 2024)

Radhika Tandon (w.e.f. 1 Jan 2025)

Medical Superintendent

DK Sharma

Professors of Ophthalmology

SK Khokhar
Rajpal
Tanuj Dada
Rohit Saxena
Tushar Agarwal
Rajesh Sinha
Parijat Chandra
Rohan Chawla
Vinod Kumar
Mandeep Singh Bajaj
Namrata Sharma
Neelam Pushker
Viney Gupta
M Vanathi
Bhavna Chawla
Noopur Gupta
Swati Phuljhele Aalok
Rachna Meel

Professors of Ocular Pathology

Seema Sen
Seema Kashyap

Professor of Radio-Diagnosis

Sanjay Sharma

Professor of Investigative Laboratory

Pradeep Venkatesh

Professors of Ocular Pharmacology

T Velpandian
Nabanita Halder

Professors of Community Ophthalmology

Praveen Vashist
Senjam Suraj Singh

Professors of Ocular Biochemistry

Jasbir Kaur
Alok Kumar Ravi

Professor of Anaesthesiology (RPC)

Renu Sinha

Additional Professor of Community Ophthalmology

Vivek Gupta

Additional Professor of Ocular Microbiology

Nishat Hussain Ahmed

Additional Professors of Ophthalmology

Prafulla Kumar Maharana
Shorya Vardhan Azad
Dewang Angmo
Neiweti Lomi

Additional Professor of Anesthesiology (RPC)

Arshad Ayub

Associate Professors of Ophthalmology

Shikha Gupta — Manpreet Kaur

Rebika — Amar Pujari

Assistant Professors of Ophthalmology

Sridevi Nair — Devesh Kumawat

Sahil Agrawal — Anu Malik

Saurabh Verma

Assistant Professor of Ocular Microbiology

Karnika Saigal

HIGHLIGHTS

Unit-I

Unit I provides state of the art services in the field of Pediatric Cataract, Refractive Surgery, Vitreo-Retina, Uvea, ROP(Full form) and Squint. This unit specializes in pediatric cataract surgery and postoperative visual rehabilitation. The unit also manages various sight threatening vitreo-retinal disorders such as Diabetic Retinopathy, Vascular Occlusions, Age-related Macular Degeneration, Retinal Detachment and Uveitis. The unit performs latest sutureless 27G vitreo-retinal surgeries. It is supported by state-of-the-art imaging and investigative tools and LASER delivery systems.

Conjoint clinic for comprehensive care of patients with uveitis was started with help of rheumatology department. A workshop on "Diabetic retinopathy" was organized at Dr R P Centre in November 2024.

Unit-II

The unit II is providing state of art services in the fields of Pediatric Ophthalmology specialty like ROP and congenital Glaucoma. Dr. RP Centre is the only hospital in North India performing surgeries in ROP stage 4 and stage 5. The Unit is doing advanced vitreo-retinal surgery with latest 3D heads up system (Ngenuity). A new clinic on inherited vitreo-retinal dystrophy has been started this year. Unit is Why only this unit? (Unclear) part of international collaboration in stem cell therapy in dry ARMD and also in various studies related to diabetic retinopathy and wet ARMD. It is supported by state-of-the-art imaging and investigative tools and LASER delivery systems. This Unit is giving intravitreal injections in ROP and in various retinal diseases. A workshop on Anti VEGF current perspectives was organized. Its faculties have received numerous International Awards in Glaucoma and Oration awards at different national and international conferences. Unit is currently doing research in surgical management of Optic disc pit associated maculopathy.

Unit-III

Newer facilities has been introduced by the unit-III that includes "Translational Eye Research Facility (TERF)", "Special Myopia Clinic" and "First Cornea Transportation using Drones followed by transplant" under the i-DRONE initiative jointly undertaken by ICMR, AIIMS and SCEH.

Ocular Biochemistry

Clinical Biochemistry laboratory and Research laboratory facility have been upgraded with more than 20 parameters being done in Ocular Biochemistry laboratory which involves lipid profile, LFT, KFT and other specific investigations such as hormones and vitamin B12 tests etc. Ocular Biochemistry has bagged many significant achievements through its scientific research. The main aim is to identify noninvasive/ minimal invasive biomarkers for early detection and prognosis of ocular diseases. This facility Identified some of the biomarkers which could be used as prognostic/ therapeutic targets of ocular tumors.

Ocular Pharmacology

- Provision to enable corneal preservation for transplantation (PECPT) – a flagship projects enabled through AIIMS-Mo(?)HFW collaboration. this project enabled providing corneal transport media to conduct more than 4000 corneal transplant operations s to blind eyes. Currently, it is rendering this service to 114 Govt eye banks across 24 states in India from 2010 to date. It Introduced longer storage media RPC Exstorsol currently for Govt. Eye Banks.

- Major revelation on the environmental dispersion of active pharmaceutical ingredients antibiotics due to unsegregated waste disposal into landfills resulted in the consideration of policy revision.
- A device, method and kit for the reconstitution of a solid or semi solid pharmaceutical composition (WO2018163201A1 WIPO (PCT), Chinese patent (granted) Chinese Patent. (under commercialization, USA patent granted
- Ocular Emergency Management Kit (OEM kit): Extemporaneous drugs for ophthalmic emergency conditions
- Organized 30th Annual Meeting of the Indian Eye Research Group (ARVO-India), 27th-29th September 2024 at AIIMS, New Delhi- This three-day event, including a pre-conference symposium, brought together leading experts in ophthalmology, translational research, and biotechnology. The symposium featured in-depth discussions on a wide range of topics, from imaging technologies and AI in ocular diagnostics to Ayurveda in ophthalmology and advancements in drug development. Live demonstrations of cutting-edge tools, such as the iMScopeTMQT for retinal lipid analysis and PredictCAD for AI-driven glaucoma detection, provided hands-on exposure to the latest innovations in ocular research, further enriching the learning experience. The conference featured distinguished orations, commemorating pioneering contributions in ophthalmic research. Students and researchers actively participated through and poster presentations, which were evaluated for awards, showcasing novel scientific insights.
- Organized National Workshop on Bioanalytical Techniques at International Pharmacology Conference on 26th November 2024, at Ocular Pharmacology & Pharmacy, AIIMS, New Delhi, which offered hands-on training in advanced bioanalytical techniques essential for pharmacological research. Participants were introduced to the fundamentals of HPLC and mass spectrometry (QTRAP) before engaging in practical sessions on sample preparation and their applications. The interactive format allowed attendees to deepen their understanding of these critical analytical tools, equipping them with valuable skills for pharmaceutical research.

Ocular Radiology:

- Radiology Section in RPC is involved in conducting regular weekly Radiology-Ophthalmology Conferences in the areas of Ocular Oncology, Occuloplasty and Neuro-ophthalmology. This provides an opportunity, wherever appropriate, in reaching radiology-based decisions in facilitating clinical management while serving as a forum for one-to-one postgraduate teaching. The section has completed 14 years doing these activities,
- Currently installations of new CT & X Ray machines is in progress in the Radiology Section. Very shortly RPC shall see modern imaging equipment installed by May 2025.

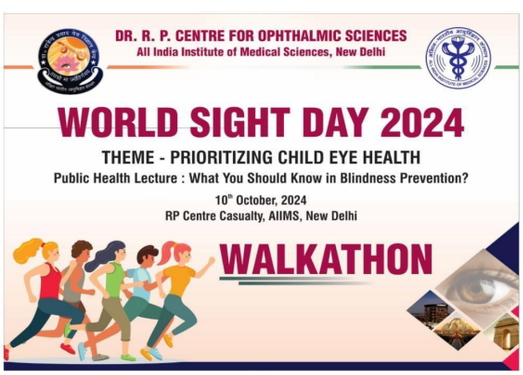
Community Ophthalmology:

- Community Ophthalmology is actively involved in delivering comprehensive primary eye care services to the underserved and underprivileged regions of the country. Through its network of 28 Vision Centres, it ensures equitable access to essential eye care services. These Vision Centres have been established specifically in underprivileged areas to provide continuous and accessible primary eye care. In addition, outreach eye camps are conducted regularly in both community and schools for the blind. School vision screening programs are organized to detect refractive errors and other visual impairments early, helping children receive timely intervention.
- Community Ophthalmology is also actively engaged in epidemiological research and surveys related to eye health, with a strong emphasis on training and capacity building, community awareness, and mobilization. Academic and research activities in the field of public eye health form an integral part of its ongoing initiatives. Community ophthalmology is currently running 11 projects on eye care research & services in partnership with National agencies like NPCB&VI, ICMR, CBM, Haryana Government. Close collaborations have been developed with international agencies like World Health Organization, ORBIS, Visionspring, CBM, Seva Foundation and Mission for Vision etc.
- As part of its community-based program, vision rehabilitation services are being provided to individuals with visual disabilities by a dedicated rehabilitation team. These services include orientation and mobility training, reading and writing rehabilitation, low vision evaluation and provision of assistive aids, vocational counselling and training guidance, training in activities of daily living (ADL) and instrumental ADL, environmental and lighting modification advice, and issuance of disability certificates for eligible individuals.
- Community Ophthalmology has been involved in The National Trachoma Trichiasis only surveys being conducted in 200 districts across India with Tropical data and WHO as partner agencies for the survey. As an outcome of this survey, WHO declared India free of Trachoma.
- Celebrated Public lecture on prevention of Blindness and walkathon on occasion of World Sight Day with Vision 2020 Right to Sight partners on 9th and 10th October 2024.


DR. R. P. CENTRE FOR OPHTHALMIC SCIENCES
All India Institute of Medical Sciences, New Delhi
WORLD SIGHT DAY 2024
THEME - PRIORITIZING CHILD EYE HEALTH


Blindness


DR. R. P. CENTRE FOR OPHTHALMIC SCIENCES
All India Institute of Medical Sciences, New Delhi
WORLD SIGHT DAY 2024
THEME - PRIORITIZING CHILD EYE HEALTH


DR. R. P. CENTRE FOR OPHTHALMIC SCIENCES
All India Institute of Medical Sciences, New Delhi
WORLD SIGHT DAY 2024
THEME - PRIORITIZING CHILD EYE HEALTH
Public Health Lecture : What You Should Know in Blindness Prevention?
10th October, 2024
RP Centre Casualty, AIIMS, New Delhi
WALKATHON



Ocular Microbiology:

Patient care Services: - In addition to the services of light microscopy and culture for all pathogens, immuno-fluorescence for Chlamydia and Herpes Simplex Virus, and molecular assays, we have started doing fluorescence microscopy for fungal elements in the ocular tissues. Also, antifungal susceptibility testing has been standardized and is being done for refractory cases of ocular mycosis. Identification and antimicrobial susceptibility testing using automated system is now available for difficult to diagnose bacteria and yeasts.

Infection control:- The section is involved in infection control at the Centre, and investigation and control of clusters and outbreaks of infections. Protocols and SOPs have been prepared to minimize transmission of infection, and occurrence of post procedure infections.

Accreditation:- Preparation for renewal of NABL accreditation of the Ocular Microbiology section are in progress.

EDUCATION

The RP Center is actively involved in teaching and training of undergraduate MBBS. BSc (Optometry) and postgraduate students in various areas of Ophthalmology.

Details	Numbers
Faculty and Medical superintendent	50
Senior Residents	53
Junior Residents – Postgraduates in Ophthalmology	103
Undergraduate Students	132
Interns	92
Training through NPCB & VI	NIL
Optometry Students	79
Short t& long-term trainees	21

- Teaching undergraduate MBBS, BSc Optometrist¸ BSc Nursing students, PhD Programme
- PG teaching: 103 postgraduates students rotating through Units, symposium classes, ward teaching, clinical and surgical teaching
- Senior Residents: academic interactions & surgical assistance.
- PhD program
- Various training and capacity building activities are being organized for school teachers, medical officers, health workers and ASHA workers by community ophthalmology section.

CMES/WORKSHOPS/SYMPOSIA/NATIONAL AND INTERNATIONAL CONFERENCES

1. 58th RPC Annual Foundation Day Celebrations, J L Auditorium, AIIMS, New Delhi, 8– 10 March 2025
2. Workshop on "Diabetic retinopathy"- 9 to 10 November 2024
3. 39th National Eye Donation Fortnight 2024, RPC, AIIMS, New Delhi, 28 August 2024
4. AIOS-ARC PG Teaching Program North Zone. 14-16 June 2024. JL Auditorium, AIIMS, New Delhi

Ocular Pharmacology

1. Organized National Conference: 30th Annual Meeting of the Indian Eye Research Group (ARVO-India), 27-29 September 2024 at AIIMS, New Delhi
2. Organized National Workshop on Bioanalytical Techniques at International Pharmacology Annual Conference & 54th Annual Conference of Indian Pharmacological Society IPSCon 2024, 26 November 2024 at Ocular Pharmacology & Pharmacy, Dr R P Centre, AIIMS, New Delhi.
3. Organized Symposium on "Drug transport through Ocular Barriers" at 70th National conference of association of Physiologists & Pharmacologists of India, on 12-14 December 2024 at ESIC Medical College and Hospital, Chennai

Community Ophthalmology

1. Organized "Orientation program on Low Vision Services and Rehabilitation for Optometrists of Haryana" on 15th January 2025 at Seminar Room of Community Ophthalmology, Dr RP Centre AIIMS.
2. Organized training program for Ophthalmologist and Optometrist for screening of diabetic retinopathy under the project entitled "Early Screening of Diabetic Retinopathy at selected Primary health facility in Chhattisgarh and Odisha" funded by World Health Organization from 30 September to 5 October 2024.
3. Organized a training program on Low Vision and primary eye care services at All India Institute of Medical Sciences, Jodhpur on 7 April 2024.
4. Organized a training program on Low Vision and primary eye care services at All India Institute of Medical Sciences, Bhubaneshwar on 20 April 2024.
5. Organized a training program on Low Vision and primary eye care services at Shri Guru Ram Medical College, Amritsar on 5 May 2024.
6. Organized a training program on Low Vision and primary eye care services at Regional Institute of Ophthalmology, Patna on 26 November 2024.
7. Organized a training program on Low Vision and primary eye care services at Shri Guru Ram Medical College, Amritsar on 28 December 2024.

LECTURES DELIVERED AT CMES, NATIONAL AND INTERNATIONAL CONFERENCES

Lectures Delivered: 436

Radhika Tandon: 32	**SK Khokhar: 19**	**MS Bajaj: 3**
Rajpal: 7	**Seema Sen: 2**	**Seema Kashyap: 3**
Namrata Sharma: 20	**Tanuj Data: 1**	**Viney Gupta: 12**

Neelam Pushker: 12

Jasbir Kaur: 6

Tushar Agarwal: 10

Rohan Chawla: 16

Rachna Meel: 3

Dewang Angmo: 27

Manpreet Kaur: 25

Sridevi Nair: 13

Anu Malik: 7

Radhika Tandon

Thirumurthy Velpandian: 5

Rohit Saxena: 21

Parijat Chandra: 8

Swati Phuljhele: 11

Vivek Gupta: 19

Shorya Vardhan Azad: 20

Rebika: 12

Devesh Kumawat: 2

Saurabh Verma: 6

Praveen Vashist: 19

Renu Sinha and Arshad Ayub: 19

Suraj Senjam Singh: 9

Vinod Kumar: 9

Prafulla K Maharana: 9

Shikha Gupta: 24

Amar Pujari: 1

Sahil Agarwal: 10

Ashish Markam: 5

1. **ASCRS Scientific Films, Session Title:** Film Category: Quality Teaching (On-Demand)**, Presentation Title:** Mastering SMILE with SMILE (Simply Master It, Learn Easily!): Quality Teaching for a Seamless Learning Experience **– Producer, ASCRS Paper Sessions,** Cornea Procedures and Outcomes-DMEK – **Panelist,** Annual Meeting of ASCRS ASOA 2024, 5-8 April 2024, Boston, MA, USA
2. Surgical Options in Management of Post-viral Vascularized Corneal Scars **- Speaker**, Walk-in Patient with Viral Keratitis, How to Diagnose, Triage and Treat? Organized by All India Ophthalmological Society (AIOS), 13 April 2024, Online
3. Prevention and management of Dry Eye **- Speaker**, CME for the Nurses of RPC on the occasion of International Nurses, Week Celebration organized by Dr RP Centre, AIIMS, New Delhi, 9 May 2024, New Delhi
4. **Presbyopia Session-02: Expert Panelist, Refractive Session-02, Topic:** Managing Challenging Phakic IOL Cases: What Will be Your Approach **- Speaker,** ICRS 2024 – Innovations in Cataract & Refractive Surgery Meet – *Biotech 25 years of innovation*, 22-23 June 2024, New Delhi
5. **Session:** The Path Forward in Cataract and Refractive Surgery **– Moderator**, **Session:** Cornea Corner, **Topic:** Cataract, Surgery And Corneal Transplants: Practical Tips And Pearls **– Speaker**, **Session:** Empowering through innovation **– Convenor**, **Session:** Pot-Pourri **- Co-Convenor**, **Session:** Hot Topics, **Topic:** Why Is Refractive Surgery Considered Cosmetic? Real-Life Scenarios To Prove Otherwise **-Speaker**, Annual Conference of Indian Intraocular Implant & Refractive Society (IIRSI) 2024, 6-7 July 2024, Chennai
6. **Session:** ISCKRS – IJO Research Methodology, **Topic:** Logistics mandatory in publishing refractive studies **- Speaker**, **Orations Session**, **Topic:** G Mukerjee Oration: Eye Bankers and Cornea-Kerato-refractive Surgeons' dual roles and responsibilities: My views of the past, present and future **- Speaker,** Annual Conference of the Indian Society of Cornea & Kerato-Refractive Surgeons (ISCKRS) – "ISCKRS Meet 2024", 2-4 August 2024, **New Delhi.**
7. **Topic**: Corneal dystrophies & degenerations **- Speaker**, "NBEMS webinar in the speciality of Ophthalmology" organized by NBEMS, 5 August 2024, Online
8. **Session:** Cornea, **Topic:** Cataract and karatoplasty improving outcomes **– Speaker**, **Session:** Cornea **– Moderator**, **Session:** Video Sessions, **Topic:** Scleritis and PUK: Simplified management guidelines +Q&A **- Speaker,** AAO Ophthalmology Summit 2024, 25-26 August 2024, Kolkata
9. **Session:** Vision – Review **– Trainer, Parallel Session 2A:** Vision [Practice] Group 2 A and **Parallel Session 2B:** Hearing [Practice] Group 2 B **– Trainer,** Training of Trainers (ToT)' workshop for the ACTION neurodevelopmental follow-up study, 30 August 2024, New Delhi.
10. **As a Keynote Speaker,** An online National Consultation - Making India a Bilateral Corneal Blindness Backlog-Free Country organized by Strategic Institute for Public Health Education and Research (SIPHER), 03 September 2024 , Online
11. Talk on Corneal Transplantation **- Speaker,** CME on EYE DONATION organized by Deptt. of Ophthalmology, Deen Dayal Upadhyay Hospital, New Delhi, 5 September 2024, New Delhi
12. **Session: DR. A D Grover Memorial Oration**, **Topic:** Integrating patient care and teaching: No scope for learning curve **- Orator,** 35th Annual Conference of Chandigarh Ophthalmological Society, 14 September 2024, Chandigarh

13. **Technical Session 1: Lecture –** Eye Banking in India **- Resource Person,** National review meeting with State-Program-Officers (SPOs) of NPCB & VI organized by National Programme for Control of Blindness (NPCB), MoHFW, 19 September 2024, New Delhi

14. **As an Expert Panelist,** Gene Therapy and Precision Medicine Conference organized by Narayana Netralaya Foundation, 21–22 September 2024, Bangalore

15. **Session:** Keynote lecture-1, **Topic:** Research Perspectives in Ophthalmology current status and way forward **- Speaker,** ARVO –INDIA 30th Annual Meeting of Indian Eye Research Group, 28 September 2024, New Delhi

16. **Topic:** Pediatric Keratoplasty: Overcoming Challenges And Improving Outcomes **- Orator**, Annual Conference of the Vidarbha Ophthalmic Society (VOS), 29 September 2024, Akola,

17. **Session:** Deep Dives into Ocular Surface – IC13 - **Topic:** AI in dry eye-Keynote **- Speaker,** WOS Annual Conference 2024 organized by Woman Ophthalmologists Society (WOS), 4 October 2024, New Delhi

18. **Topic:** Prevention of Corneal Blindness **- Speaker,** On the occasion of World Sight Day: Public Lecture & Panel, Discussion on: "What should you know in Blindness Prevention?", 09 October 2024, New Delhi

19. **Title:** Walk-In Child With A Cloudy Cornea: What To Think Of, How To Triage, & How To Manage **– Panelist, Topic:** Congenital Corneal Opacities – Unraveling the Code **- Instructor,** AIOS 2024 Webinar: Pediatric Cornea Care, 12 October 2024, Online

20. **Session:** Refractive Surgeries Conclave: Cure Sight Laser Center Oration**, Topic:** Refractive surgery driving a paradigm shift in teaching learning protocol **- Orator,** 51st All Gujarat Ophthalmology Conference (AGOC 2024) organized by All Gujarat Ophthalmology Society, 19 October 2024, Visnagar

21. **Topic**: Eye Banking in India **- Speaker,** "NBEMS webinar in the speciality of Ophthalmology" organized by National Board of Examinations in Medical Sciences, 11 November 2024, Online

22. **Topic:** Eye Donation and Eye Banking in modern e era **- Speaker**, "Eye Donation and Eye Banking" CME cum Workshop, 16 November 2024, Guwahati

23. **Session:** CORNEA 3, **Topic:** Automated donor dissection + harvesting Ultrathin grafts **– Speaker**, **Session:** CORNEA 4, **Topic:** Difference in Graft Rejection and management in PK vs DSEK vs DMEK – **Speaker**, **Session:** CORNEA 5, **Topic:** Contact Lenses in Keratoconus - **Speaker,** BOA Focus Annual Conference 2024 organized by Bombay Ophthalmologist's Association, 30 November 2024, Mumbai

24. **Session:** Asia Cornea Society**, Topic:** Bioengineering solutions in cornea and ocular surface health care delivery platforms: stratospheric or affordable? **– Speaker, Symposium:** Ocular trauma **– Panelist, Symposium:** Eye Banking **– Coordinator, Topic:** October in Keratoplasty: Current Status and Personal Experiences **- Speaker**, KERACON 2024 – 12th Annual National Conference organized by Cornea Society of India, 6-8 December 2024, Bengaluru

25. **Session:** Teachers session III, **Topic:** Surgical training protocols in Ophthalmology **– Speaker**, **Topic:** Teaching and Training in Ophthalmology: defining boundaries and expanding horizons **- Speaker,** 8th Annual National Assembly of the Forum of Ophthalmic Teachers of India (FOTI), 11-12 January 2025, Chandigarh

26. **AIOS Session: Topic:** Cataract in Keratoplasty **- Speaker,** OPHTHAFEST 2025 – 19th Annual Conference of Haryana Ophthalmological Society, 25 January 2025, Gurugram

27. **Session:** Infectious Keratitis - Preferred Practice in 2025, **Topic:** Opening Remarks **– Speaker, Session:** Pediatric Corneal Diseases 2025, **Topic:** Opening Remarks **– Speaker, Topic:** Unravelling Congenital Corneal Opacities **- Speaker,** AIOS – AIOC 2025 5th International Ophthalmic Conclave, 26 January 2025, Online

28. **Session:** Corneal Health in India, **Topic**: Vernal Keratoconjunctivitis: An Overview in the Indian Context **- Keynote address Speaker,** "Empowering Vision : Global Advances in Eye Care" organized by Eye Foundation of America, 31 January 2025, New Delhi

29. **Session:** Refractive Surgery: Getting into your stride **– Panelist, Topic:** Corneal Biomechanics **– Speaker, Session:** Challenging Zone: Analysing Complex Cases **– Panelist, Session:** Refractive Surgery: Really Wish I Hadn't Done this **– Panelist, Session:** Refractive Surgery : Basics, Advances, and Beyond**: Panelist, Topic:** Indications and outcomes of refractive surgery for professional reasons **– Speaker,** Session: Cornea in Focus **- Panelist**, 6th Winter IIRSI Conference 2025, 1-2 February 2025, Amritsar, Punjab

30. **Theme:** Recent advances in AI based digital health technologies in India- A step towards Universal Health Coverage, **Topic:** AI Applications in Ophthalmology **- Speaker,** A Stakeholder Meeting on 'Leveraging Digital

Health and Data Science Technologies for Universal Health Coverage in India' organized by ICMR- National Institute for Research in Digital Health and Data Science (ICMR-NIRDHDS), New Delhi, 15 February 2025, New Delhi.

31. **Topic:** "Eye Banking and Corneal Donation: Recent updates" **- Speaker,** CME titled "Recent advances in Ophthalmology", 2 March 2025, Jammu
32. **Session:** RPC Live from OT **- Surgeon**, 58th RPC Annual Foundation Day Celebrations (Scientific Fiesta), 8-10 March 2025, New Delhi

SK Khokhar

1. Capsular management in Pediatric Cataracts, SPOSICON, 25-26 May 2024, Kozhikode
2. First case 10 Min. Live Surgery in Pediatric Cataract, ISCKRS Meet 2024, 2-4 August 2024, New Delhi
3. Indications and Technique of ICL**,** Annual Day Program of ASU Biswas Kanika Biswas Foundation 2024**,** 11 August 2024**,** Kolkata
4. Pediatric Cataract Session, Best Paper in the Free Papers Sessions**,** 3rd S.A.O. P.O.S.A. (32nd Annual Congress of the College of Ophthalmologists of Sri Lanka)**,** 12-15 September 2024, Colombo, Sri Lanka
5. Pediatric Cataract Surgery in special Situations (Pediatric Ophthalmology, Strabismus), AAO, 18-21 October 2024, Chicago (USA)
6. Different strokes for different folks, DOS, 23-24 November 2024, New Delhi
7. Refractive surgery our modifications to make it safe, DOS, 23-24 November 2024, New Delhi
8. Interesting Cases in Ophthalmology 2, DOS, 23-24 November 2024, New Delhi
9. Different strokes for different folks, DOS, 23-24 November 2024, New Delhi
10. Vision correction and refractive surgery, DOS, 23-24 November 2024, New Delhi
11. Pediatric Ophthalmology and Strabismus Session: Caring the little ones and wayward eyes., 26th Annual National Conference of the Nepal Ophthalmic Society, 29-30 November 2024, Kathmandu (Nepal)
12. Upside down ICL, 26th Punjab Ophthalmological Society Conference EYECON 2024, 13-15 December 2024, Bhatinda
13. Insight into cornea, 26th Punjab Ophthalmological Society Conference EYECON 2024, 13-15 December 2024, Bhatinda
14. Post ICL cataract surgery, 26th Punjab Ophthalmological Society Conference EYECON 2024, 13-15 December 2024, Bhatinda
15. Pediatric Perspective: Enhancing Pediatric Eye Health, Pearls in the management of Pediatric cataract, 26th Punjab Ophthalmological Society Conference EYECON 2024, 13-15 December 2024, Bhatinda
16. P recision V ision: Enhancing Outcomes in Refractive Surgery, Kerato-Refractive surgery – tissue saving options, 26th Punjab Ophthalmological Society Conference EYECON 2024, 13-15 December 2024, Bhatinda
17. Chairperson and Speaker, Innovation in Pediatric Cataract Surgery, Haryana Ophthalmic Conference, 12 January 2025, Gurugram
18. Refractive Surgery: Basics, Advances and Beyond, My approach for saving tissue in refractive surgery., IIRSI 2025, 26 January 2025, Gurugram
19. From Cornea to Lens – The Safety and Efficacy of ICL, APAO / AIOC 2025, 31 January-02 February 2025, Amritsar

MS Bajaj

1. Minimally Invasive technique for the management of orbital venolymphatic disorders OPAI, Annual conference of Oculoplastics Association of India, 27-29 September 2024, Jaipur
2. Innovative techniques for the management of Ptosis., Annual conference of Oculoplastics Association of India, 27-29 September 2024, Jaipur
3. Update on the current management of Ptosis, South-Asian Academy of Ophthalmology Conference, 21-23 September 2024, Bhutan

Rajpal

1. Judge: Session JM Pahwa awarded, 33rd Annual Conference of Vitreo Retinal Society, 07 December 2024, Guwahati, Assam
2. Clinical profile and surgical outcomes for Optic Disc Pit Maculopathy, 3rd Midterm AIOS Conference 2024, 25-27 October 2024, Dehradun
3. Surgical result Optic Pit Maculopathy, The 37th Singapore Malaysia Joint Meeting in Ophthalmology, 19-21 January 2024, Singapore
4. New technique Optic Disc Pit Maculopathy, BOA Focus Annual Conference, 2024, 09-11 February 2024, Mumbai
5. New surgical technique in ODP, BOA, 2024, 29-30 November 2024, Mumbai
6. Co-chairman in Retina session Judge: Poster session, Retina Imagine Congress, 2024, 26-28 July 2024, Trivandrum
7. Roll of Eye S tem C ell in Dry ARMD, Speaker organized by founder CEO, Eye stem Research at Bangalore, 19-21 January 2024, Bangalore

Seema Sen

1. Impression Cytology in Ophthalmology, SAO 2024, 21-23 October 2024, Bhutan
2. Case Representation (?), Rb-NET, 26 April 2024, Online

Seema Kashyap

1. Pathology of paediatric orbital lesions, AIOS-2024, 25-27 October 2024, Dehradun
2. Pathology of orbital tumor, EYECON 2024, 13-15 December 2024, Bhatinda
3. Role of Pathologist in treatment of Retinoblastoma, CANKIDS 2024, October 2024, Online

Namrata Sharma

1. Gave talk on "Cataract in corneal haze", Gave talk on "Biosynthetic cornea: The new frontier", The International Congress of the Egyptian Ophthalmological Society EOS 2024, 24-26 April 2024, Cairo, Egypt
2. Gave talk on "Role of intraoperative prophylactic moxifloxacin in prevention of endophthalmitis" and "Combating Corneal Angiogenesis" in the session "AIOS National Symposium" gave talk on "Research in Ophthalmology", The 9th APOS Annual State Conference – Tirupathi Eyecon 2024, 13 September 2024, Tirupathi
3. Gave talk "The Role of Government in Elevating in the Eye Bank Association of India (EBAI) to be a Global Leader", Gave talk on "Descemet's Membrane Endothelial Keratoplasty (DMEK) – Basic and Advance", The 14th National Conference on Cornea and Eye Banking 2024, 14-15 September 2024, Bhubaneshwar
4. Gave talk on "Complication of LASIK & SMILE", Gave talk on "Intraoperative October Guided Phacoemulsification", The 17th SAO Conference 2024, 21-23 September 2024, Thimphu (Bhutan)
5. Gave talk on "Multiple recipients for each cornea and bioengineered corneas, the next frontier" in the session "GAEBA World Eye Bank Symposium (WEBS) 2024", Gave talk on "Basic Principles of DMEK" in the session "Surgical Masterclass – Descemet Membrane Endothelial Keratoplasty (DMEK)", Gave talk on "Intraoperative October Guided DMEK" in the session "ACS – Cornea Society Joint Symposium Endothelial Keratoplasty 1", Gave talk on "Biosynthetic Cornea for Keratoplasty" in the session "Tissue Engineering", Gave talk on "My Clinical Experience with Latest Trifocal Technology – Optoflex Trio" in the "Lunch Symposium: Biotech", Lead Instructor of the Wetlab Phakic IOL session, The Asia Cornea Society 9th Biennial Scientific Meeting 2024, 26-28 September 2024, Jakarta, Indonesia
6. Panelist in the session " OcutrauMENA", Moderator in the session "Chemical Burns", Gave talk on "IOCT Guided Phacoemulsification", Gave talk on "Abandoned Phaco Surgeries", The 7th Middle East Ophthalmology Meeting MEOM 2024, 3-5 October 2024, Dubai-UAE
7. Gave talk on "Peripheral Thinning /Melting" in the session "Section II: Stromal", Senior Instructor in the session "Management Algorithm for Recalcitrant Microbial Keratitis", Gave talk on "Management of Posterior Polar Cataracts" in the session "Different Techniques of Management in Challenging Congenital

Lens Anomalies", Gave talk on "Flap related Complications and management" in the session "Intraoperative Challenges in Refractive Surgery: Managing the Unexpected!", Gave talk on "Phacoemulsification with Anterior Lamellar Keratoplasty" in the session "Combination Surgeries in Ophthalmology: A Video-Based Course", Gave talk on "Management of double headed Pterygium" & "Complications of pterygium surgery and their management" in the session "Pterygium Revisited: Clinical Pearls for Success in Every Situation", Gave talk on "Intrastromal and Intracameral Injections of Antimicrobals" in the session "Common Corneal Procedures in Clinical Practice: A Video-Based Session", Instructor in the session "Grand Rounds With Infectious Keratitis Experts : What You should Know", The AAO 2024 Annual Meeting, 17-21 October 2024, Chicago, USA

8. Chairperson of the Live Surgery Drishti Eye Institute, Moderator and Surgeon of the Live Surgery Multi Sert-The choice of IOL Platform & Delivery System for IOLs Implantation, Gave talk on "How to get the best out of my PG's – Key Pearls" in the "AIOS-ARC Training the Trainers Programme Session", Chair & Judge of the "Women Ophthalmologist Society" session, Co- Chairperson& Speaker at the "Management of Myopia : The way forward" session. Gave talk on "Refractive surgeries for Myopia", Chairperson of the "Tackling Infection and Inflammation post Cataract Surgery" session, Chairperson of the "Latest Advancement in Cataract & Refractive Surgeries" session, Chairperson & Speaker of the "Golden Gate: Bridging therapy gap in Dry eye management". Gave talk on "Paradigm shift in fry eye management", Gave talk on "Importance of DMF : Clinical Experience in Complicated cases & Intracameral Use", Honourable Jury of the Court Martial Session, The 3rd Mid Term Conference of AIOS 2024, 25-27 October 2024, Dehradun

9. Chairperson and Speaker "Role of Intraoperative Prophylactic Moxifloxacin in prevention of endophthalmitis" in the AIOS Symposium, Gave talk on "Research At the Forefront in Ophthalmology", Chairperson of the "Tools of the Trade session", Gave talk on "Biosynthec cornea, the next frontier", The 43rd Annual Conference of Karnataka Ophthalmic Society 2024 (KOSCON), 22-24 November 2024, Udupi

10. Chairperson of the " Live Surgery 3", Chairperson & Speaker "Key Note - A new frontier to clear the corneal transplant backlog – Biosynthetic cornea" and "Intracameral Moxifloxacin in cataract surgrery" in the "AIOS Symposium", Co-Chairperson of the Cornea 1 Cornea Symposium – Fundamentals of Penetrating Keratoplasty, Chairperson & Speaker "Intra-op October Guided Lamellar Keratoplasty" in the " Cornea 2 Lamellar Keratoplasty: A Modern Approach to Corneal Transplantation", The 58th Annual Conference of U.P. State Ophthalmological Society (UPCON 2024), 29 November 2024, Meerut

11. Gave talk on " Biosynthetic Cornea", Gave talk on "Complications in LASIK", Gave talk on "IOCT guided cataract surgery", Gave talk on "PUK", The Bombay Ophthalmologist's Association BOA Winter Conferece FOCUS 2024, 30 November-1 December 2024, Mumbai

12. Chairperson of the " AIOS National Symposium - Update on Latest Trends in Ophthalmology", Gave talk on " AIOS National Symposium - Update on Latest Trends in Ophthalmology - Biosynthetic Cornea - The New Frontier", The KSOS Drishti 2024, 1 December 2024, Kochin

13. Near Live Refractive Surgery " Stromal inlay", Gave talk on "Results of Intrastromal artificial corneal implants", Cordinator of the Near Live Surgery 2 Corneal Transplantation, Moderator and Speaker "Biomechanics in keratoconus" in the " Pentacam Cornea OCT: India Premier-Oculus Symposium", Gave talk on " What is new in Crosslinking", Chairperson of the Symposium : Surgical Innovations, Gave talk on " Bioengineered Corneas", Cordinator of the "EuCornea session", Cordinator of the "Asia Cornea Society session", Chairperson of the ISCKRS Session, Chairperson of the Symposium : Breaking news, Gave talk on "Closing the gap between collection and utilization: corneal surgeons and eye bankers roles", Gave talk on "Stromal Regeneration versus Biosynthetic Cornea", Gave talk on "Intraoperative October in DMEK", Panelist of the "Spotlight : Keratoplasty : Focusing Exclusively on Recent and Future Trends Session", Panelist of the "Spotlight : Biomarkers session", KERACON 2024 by the Cornea Society of India, 6-8 December 2024, Bangalore

14. Gave Keynote: Preferred Practice-Management of Bacterial Keratitis, The AIOS-ARC CME, 29 December 2024, Hyderabad

15. One of the Panelist of the Phaco Live Surgery, Gave Keynote : Cataract session 1 - Managing cataract with Pterygium – Guidelines, Gave talk on Advances in KC management - DALK: The final frontier for advanced KC, One of the Panelist - Mixed bag videos, The Eye Fest 2025 by M. M. Joshi Eye Institute, 4-5 January 2025, Hubli

16. Chairperson of the "Cataract & Kerato Refractive Surgery Session-1", Gave talk on "Complications of LASIK Surgery" in the "Cataract & Kerato Refractive Surgery Session-2", Chairperson of the "Cataract Session", The 3rd Academic Ophthalmology Forum 2025, 11-12 January 2025, Kolkata

17. Moderator of the "Voice from Experience Session", Gave talk on "Role of intraoperative October in lenticular platforms", Moderator of the "Metrics of planning and measuring the outcomes session", The Lenticule Congress by Narayan Nethralaya, 17-18 January 2025, Bangalore
18. Gave talk on "Complications of Collagen Cross-Linking: What can go wrong" & "Biosynthetic versus Bio Lenticule in Keratoconus", Part of Mumbai Musketeers Captain – TP Lahane in the OPL session, Part of the Wise Men and Women who will have the final say in the Big Standoff-Dilemmas in Cataract & Refractive Surgery Busted session, Panelist in the 3D Live Surgeries Showcase, Gave talk on "Combating Corneal Angiogenesis", One of the Jury member, The 6th Winter IIRSI Conference 2025 (The Eye Land), 1-2 February 2025, Amritsar, Punjab
19. Chairperson for Cataract and Kerato Refractive Surgery Session, The Academic Ophthalmology Forum 2025, 12 February 2025, Kolkata
20. Gave talk on "Management Strategies in Fungal and Recalcitrant Keratitis", Gave talk on "Timing and Techniques of Surgical Intervention for Infectious Keratitis", IX World Cornea Congress 2025 organized by Cornea Society, International, 20-23 March 2025, Washington DC

Tanuj Data

1. Delivered Dr Lakhanpal Oration at Advanced Eye Centre, Chandigarh

Viney Gupta

1. Genetics of Juvenile Glaucoma, ATTENSION 2024, Aarvind Eye hospital), 26-28 April 2024, Madurai, Tamil Nadu
2. The lost tube, (ATTENSION 2024 Aarvind Eye hospital), 26-28 April 2024., Madurai, Tamil Nadu.
3. The large Ophthalmic eye: such a different approach from adult glaucoma PAEDIATRIC GLAUCOMA-COMPLEX CASES', 5th WCPOS, 11-13 July 2024, Kuala Lumpur, Malaysia
4. Angle surgery and Combined trabeculectomy with rabeculotomy, Workshop on Paediatric glaucoma for the beginner, 10 July 2024, Kuala Lumpur, Malaysia
5. The Ipad perimetry, South Asian Academy of Ophthalmology Conference, 21-23 September 2024, Thimphu, Bhutan
6. Juvenile glaucoma, Machine learning and Genomics, South Asian Academy of Ophthalmology Conference, 21-23 September 2024, Thimphu, Bhutan
7. Paediatric Glaucoma: An Overview, The Glaucoma Society of India Meeting "Glaucocherry", 27-29 September 2024, Puducherry.
8. Evaluation of Pediatric Glaucoma, Glaucoma Society of India Meeting " Glaucocherry", 27-29 September 2024, Puducherry.
9. Juvenile Glaucoma: Machine learning, genomics and management, Grand rounds of University of Pittsburgh College of Medicine (UPMC), 7 October 2024, Pittsburgh USA
10. Role of Anti VEGF in Neovascular glaucoma., Logistics of anti VEGF in Retinal disorders, 11 January 2025., Patna
11. Juvenile Glaucoma: Machine learning, genomics and Management, At the Glaucoma sub specialty day, DOS Meeting, 2 March 2025, Delhi
12. Ophthalmic Genetic disorders. Ophthalmic Genetics, AIOS Prayogshala Shroffs Charity Eye Hospital, 23 March 2025, Delhi

Neelam Pushker

1. Judged a video session on Oculoplasty, Midterm Oculoplastic Association of India Conference, May 2024, Chandigarh
2. **Keynote Speaker** on 'Unfolding the indications & technique of skin-cartilage graft in eyelid deformity', Midterm Oculoplastic Association of India Conference, May 2024, Chandigarh
3. Invited talk on' Thyroid eye disease', All-India Ophthalmological Society- ARC Program, June 2024, AIIMS, Delhi

4. Delivered a talk on the 'Pediatric orbital lesions – presentation & management, Mid-term AIOS conference, October 2024, Dehradun
5. Invited talk on' Ptosis management – what's trending?, DOS Midterm Conference, November 2024, Delhi
6. Expert Panelist in the Research Paper Session -2, DOS Midterm Conference, November 2024, Delhi
7. Co-convenor in the 'Orbit & Lacrimal', DOS Midterm Conference, November 2024, Delhi
8. Moderator in the Ophthalmoplasty & Aesthetics Session, DOS Midterm Conference, 2024, November 2024, Delhi
9. What's trending in ptosis management?, 26th Punjab Ophthalmological Society Conference, December 2024, Bhatinda
10. Orbital & periorbital Emergencies – saving the poles, 26th Punjab Ophthalmological Society Conference, December 2024, Bhatinda
11. Panelist in the session on Dilemmas in Oculoplasty, 26th Punjab Ophthalmological Society Conference, December 2024, Bhatinda
12. Participated as a discussant, Oculoplastic Society of South Asia (OPSSA), 2 March 2025, Webinar

Thirumurthy Velpandian

1. Drug Transport across blood ocular barriers, APPICON-2024 Association of Physiologists and Pharmacologists, 12-14 December 2024, Chennai
2. Panel discussion on anti-microbial resistance in ocular therapy, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, New Delhi
3. Frontiers in MS Technology and Emerging Applications, 6th National Conference on "Frontiers in MS Technology and Emerging Applications", 20 November 2024, Chennai
4. Pharmaco-omics in pharmaceutical innovations, Proteomics in Biotechnology and Biomedical Sciences, 18 March 2024, Faridabad
5. Advanced Mass spectroscopy imaging solutions in ocular pharmacology, Asia Pacific Special Seminar with Koichi Tanaka, 19 August 2024, Singapore

Praveen Vashist

1. Delivered a lecture on "Promotion of road safety through good eye health: Role of the Government", 4th VARS Conference on Vision and Road Safety organized jointly by IVI, Sightssavers, Mission for Vision and Vision Spring, 12 March 2025, New Delhi
2. Presented a talk on Rehabilitation of Glaucoma patient, AIOS Public Health Webinar on World Glaucoma Week 2025., 11 March 2025, Webinar
3. Delivered a talk on "Burden of blindness and goal of NPCB&VI", 85th VISION 2020: The Right to Sight - INDIA Board Meeting and Press Meet with Goodwill Ambassador Sri Krishnamachari Srikkanth, Former India Cricket Captain and Coach, 18 March 2025., Chennai
4. Delivered on "The Magnitude of Refractive Errors and Burden of Childhood Myopia", DOS Pediatric Ophthalmology Specialty Day-theme of the event is "Little Eyes, Big Insights" "Specialty Day", 2 February 2025, New Delhi
5. Delivered lecture as a Resource Person on "National Program for control of Blindness in India & Involving ASHA volunteers in strengthening Primary Eye Care in Management training for eye Care Programme Managers", Arvind Eye Care System, 22 February 2025, Online
6. Delivered lecture on "Burden of blindness and low vision", Orientation program on Low Vision Services and Rehabilitation for Optometrists of Haryana", 15 January 2025, New Delhi
7. Delivered lecture on Healthcare Management, Lecture organized for students of Global Business school of Health by Community Ophthalmology, Dr RP Centre AIIMS, 7 January 2025, New Delhi
8. Delivered lecture on Project Roshini and Rapid Assessment of Visual Impairment, Training program on low Vision and Myopia at Amritsar under Project Roshini, 28 December 2024, Amritsar

9. Delivered talk on RP Centre model for Primary eye care services, SPECS 2030 Strategy Workshop, 21-22 November 2024, Guwahati Assam
10. Delivered talk on "Overview of Project ROSHINI", CME /Training Program on Low Vision and rehabilitation, 26 November 2024., Patna
11. Delivered lecture on "Concept of Effective Cataract Surgery and Refractive Error Coverage", Consultation on Enhancing Effective Cataract Surgery and Refractive Error Coverage towards eCSC and eREC targets for 2030, 29 November-30 December 2024, Madurai
12. Delivered lecture on Burden of diabetes, diabetic retinopathy and Project Objectives towards practical and sustainable approaches, Training program for Ophthalmologist and Optometrist for screening of diabetic retinopathy under the project entitled "Early Screening of Diabetic Retinopathy at selected Primary health facility in Chhattisgarh and Odisha" funded by World Health Organization, 30 September-05 October 2024, New Delhi
13. Public Lecture & Panel Discussion on the occasion of World Sight Day Celebration, World Sight Day Celebration, 9 October 2024, New Delhi
14. Delivered talk on Initiatives on Trachoma elimination in India, National Review meeting of the National Programme for Control of Blindness and Visual Impairment, 19 September 2024, New Delhi
15. Presented talk on initiative for Trachoma Elimination in India, South Asian Association of Ophthalmology (SAO) Conference, 21-23 September 2024, Thimphu Bhutan
16. Delivered lecture on Trachoma elimination initiatives in India under NPCB&VI, 6th foundation day of Regional Institute of Ophthalmology, 15-17 September 2024, Banaras
17. Delivered lecture on "Initiatives for achieving universal eye health in India", ACOIN Puri 2024 Commemorative International Oration, 26-29 September 2024, Puri
18. Delivered talk on "NPCB&VI our journey so far and newer initiatives" and Novel indicators for Universal Health coverage, 18th Annual conference at Christian Medial College and Hospital Ludhiana from, 5-7 July 2024., Ludhiana
19. Delivered keynote address on planning CEHS for Nepalese by Indian and delivered lecture on Community Ophthalmology initiatives by RPC in last decades, NNJS-ACOIN-Indo Nepal Friendship International CME 2024, 13-14 April 2024, Kathmandu, Nepal

Jasbir Kaur

1. Gene expression profiling in retinopathy of prematurity: predictive and therapeutic targets, Biomolecular Horizons 2024, 22-26 September 2024, Melbourne, Australia
2. Epigenetic modulators as key players in diabetic retinopathy: clinical relevance and potential therapeutic targets, Recent advances in disease biology & emerging therapeutics, 17-19 January 2025, Varanasi, UP
3. Chronic pain and modern lifestyle: is technology taking its toll, 39th Annual National Conference of Indian society for study of pain (ISSPCON 2025), 7-9 February 2025, Jabalpur, MP
4. Therapeutic potential of Unani formulation in the management of Glaucoma - a silent killer of vision., Unani Day 2025 & International Conference on Innovations in Unani Medicine for Integrative Health Solutions - A way forward, 11-12 February 2025, New Delhi
5. Epigenetic alterations in preterm birth: emerging biomarkers and therapeutic targets, UPCON 2025, 21-23 March 2025, Agra, UP
6. Ophthalmic biomaterials: A novel approach to retinal repair, International conference on advanced materials for sustainable future (ICAMSF – 2025), 28-29 March 2025, Rajpura, Punjab

Rohit Saxena

1. Ishchemic optic neuropathy and the heart visualizing the link, ISARCON, 21-23 February, Bhimtal.
2. Ethambutol toxicity: Outcomes and Prognosis, INOS, 21-22 September, Chennai
3. Controversies in management of childhood myopia, AIOS Webinar, 27 July 2024, Online
4. Preventing progression of childhood myopia, ISCKRS, 2-4 August 2024, New Delhi

5. Optical intervention for myopia, Cornea Subspeciality Day, 23 June 2024, New Delhi
6. Low dose atropine for management of childhood myopia, IIRSI, 6-7 July 2024, Chennai
7. Myopia Control In India, IPOSC, 5 October 2024
8. Recent updates in Management of childhood myopia Optic neuritis, DOS, 23-24 November 2024, New Delhi
9. Complex Strabismus, IPSOS, 26 April 2024,
10. Neuro-Ophthalmology, YOSI Meeting, 28 April 2024, New Delhi
11. Paediatric Ophthalmology, CME, 18 July 2024, Sitapur
12. Childhood myopia, AIOS Myopia Webinar, 27 July 2024, Online
13. Nerve Nuances- Chair, Talk, Myopia-Chair, Inauguration and Oration- Chair, INOS, 20-22 September 2024, Chennai
14. Poster session 1, ARVO India, 28 September 2024, New Delhi
15. Refractive Error, Vision 2020, 10 October 2024, Noida
16. Strabismus, MPSOS, 8-10 November 2024, Bhopal
17. Childhood myopia, SPECS WHO, 21-22 November 2024, Guwahati
18. Neuro-Ophthalmology Free paper: Strabismus, DOS, 23-24 November 2024, New Delhi
19. CVI, Roshini CBM, 27-28 December 2024, Amritsar
20. Myopia control, AIOS webinar, 26 January 2025, Online
21. Artificial Intelligence and machine learning in vision sciences, Indo -french workshop, 22-24 February 2025, New Delhi

Renu Sinha and Arshad Ayub

1. Pre-op assessment: who, what, how, why, 6th World Congress of Ophthalmic Anaesthesia, 27 April 2024, Sao Paulo, Brazil
2. Anaesthesia depth and postoperative cognitive issues, 6th World Congress of Ophthalmic Anaesthesia, 27 April 2024, Sao Paulo, Brazil
3. Obstructive uropathy in neonates, NASCON, 27 July 2024, New Delhi
4. Panel discussion: Preterm & anaesthesia, 3rd National conference annual of Neonatal anaesthesia society 2024, 28 July 2024, New Delhi
5. Chairperson, IAPA midterm CME 2024, 11 August 2024, Hyderabad
6. Chairperson, Recent advances in critical care 2024, 25 August 2024, New Delhi
7. Cadaveric airway workshop, CAW24, 01 September 2024, Moradabad
8. Basics of Mechanical ventilation, Mechanical ventilation, 08 September 2024, Lucknow
9. MSK USG scan of Elbow, ISPCCON 2024, 15 September 2024, Rishikesh
10. Clavipectoral fascial plane block, AURA, 16 September 2024, New Delhi
11. Regional blocks in ophthalmology, AIOA 2024, 20 September 2024, Chandigarh
12. Regional Workshop, ISACON 2024, 20 September 2024, Patna
13. Emergence delirium after surgery under general anaesthesia, 4th National conference of association of Indian ophthalmic anaesthesiologist 2024, 21 September 2024, Chandigarh
14. Workshop Trauma and POCUS, STAAC, 04 October 2024, Banaras
15. Anaesthetic management for oro-facial surgery in infants: Approaches & best practices, ISACON 2024 Central Zone Conference of the Indian Society of Anaesthesiologists, 26 October 2024, Orchha, UP
16. Emergence Delirium after ophthalmic surgery under general anaesthesia, 71st ISACON 2024, 22 November 2024, Patna, Bihar

17. Chairperson, Paeditric Perioperative Cardiac arrest, 22 March 2025, New Delhi
18. Ultrasonography in spine, Segmental Spinal Anaesthesia: CME and Workshop, 22 March 2025, Rishikesh
19. Regional workshop- Spine and Trunk, APPRA 2025, 18 April 2025, New Delhi

Tushar Agarwal

1. As an Observer**,** Annual Meeting of the ASCRS (American Society of Cataract and Refractive Surgery) American Society of Ophthalmic Administrators (ASOA), 29 March-4 April 2024, Boston, MA, USA
2. Speaker & Presenting Author (topic missing)**,** Annual Meeting of the ASCRS (American Society of Cataract and Refractive Surgery) American Society of Ophthalmic Administrators (ASOA), 5-8 April 2024, Boston, MA, USA
3. Moderator Solution to Various Clinical Scenarios, ISCKRS Meet 2024, 2 August 2024, New Delhi
4. Speaker "Solution to Various Clinical Scenarios" Topic-Iris repair and reconstruction., ISCKRS Meet 2024, 2 August 2024, New Delhi
5. Chairperson, Speaker, Judge & for Physical Poster Presentation, 82nd Annual Conference of All India Ophthalmological Society Conference (AIOS), 14 March 2024, Kolkata, West Bengal
6. Speaker, 15th Annual Conference of Kanpur Ophthalmic Society (KOS) "CONFULENCE", 31 August-1 September 2024, Kanpur
7. Faculty, 17th South Asian Academy of Ophthalmology (SAO) Conference, 21-23 September 2024, Thimpu, Bhutan
8. Panelist Symposium: Technology, 12th Annual Conference of CSI, Clarks Convention Centre, 7 December 2024, Bengaluru
9. Panelist, Near Live Surgery 2 Corneal Transplantation, 12th Annual Conference of CSI, Clarks Convention Centre, 7 December 2024, Bengaluru
10. Co-ordinator Spotlight: Ocular Imaging & Topography, 12th Annual Conference of CSI, Clarks Convention Centre, 8 December 2024, Bengaluru

Parijat Chandra

1. Management of rhegmatogenous retinal detachment in ROP, POESIS-III conference, 18-19 May 2024, Hyderabad
2. Pediatric Retinal Disorders, AIOS ARC PG refresher course, 14-16 June 2024, Delhi
3. Surgery for Stage 4 ROP, Retina Summit 2024 & 8th IROP annual meeting, 11-13 July 2024, Chennai
4. Surgical Interventions for Retinopathy of Prematurity: A Clinical Perspective, DOS Retina Specialty Day, 15 September 2024, Delhi
5. Surgery for Stage 4 ROP - Steps for Beginners, Winter Conference of Delhi Ophthalmological Society, 23-24 November 2024, Delhi
6. Combined Anti-VEGF and vitrectomy in stage 4 ROP, UPCON 2024, 29-1 December 2024, Meerut
7. ROP treatment- integrating with public health care, 6th Annual ROP CME with iROP Society, 8 February 2025, Nagpur
8. ROP - Treatment and Follow-up protocol, CME Program on ROP, 2 March 2025, Aurangabad

Suraj Senjam Singh

1. Establishing low vision and vision Rehabilitation clinic at tertiary eye care in low-resource settings, 2 Case Study: our model of LVR Services Assistive technology for vision impairment, CME on Low Vision Aid, 14 April 2024, JLN Medical College Ajmer
2. Awareness on Assistive Technology, National Exploratory Workshop, 16 April 2024, India Habitat Centre, Lodhi Road
3. 3rd Annual Meeting of ACOIN Haryana State Chapter Oration 2024, 28 April 2024, Rohtak, Haryana

4. The Low Vision patients & subsequent different observations on them with LVA, 3rd AIOS Mid Term Conference 2024, 26 October 2024, Hyatt Regency, Dehradun
5. Assistive Technologies Awareness and Training or development or quality assurance or in education in India Formulating evidence-based AT services, 8th International Conference on Disability 2024, 23-24 November 2024, World Trade Centre, Nanakramguda Hyderabad
6. The National Symposium on Ongoing Teaching & Training in Ophthalmology at UG & PG level under NMC India at the Eighth National Assembly of Forum of Ophthal Teachers of India, 8th National Assembly Forum of Ophthalmic Teachers of India, 11-12 January 2025, PGI, chandigarh
7. Regional consultation on Assistive Technology North Eastern States, ICMR, New Delhi, Results of the Rapid Assistive Technology Assessment in India, 28 March 2025, AIIMS Guwahati
8. Habilitation Services for Children with Blinding ROP, All India Ophthalmological Society Scientific Committee Conference 2024, 16 March 2025, Kolkata
9. Public Health Eye Care Delivery in India: Clinic to the Community with ASHA Workers, Global Ophthalmology Summit Conference, 9-11 August 2024, Hilton Portland, US

Rohan Chawla

1. Faculty moderator, AIOS ARC post graduate programme, 25 April 2024, online
2. Faculty panelist, Medical retina session, Kolkata Retina Conclave y(?) b Sankara Netralaya, 11May 2024, Kolkata
3. PFCL for paediatric retinal detachment, Medical retina session, Kolkata Retina Conclave bu Sankara Netralaya, 11 May 2024, Kolkata
4. Preferred practice pattern CRVO, Medical retina session, Kolkata Retina Conclave bu Sankara Netralaya, 11 May 2024, Kolkata
5. Focal retinitis, USI Chandigarh, October 2024 (No dates), Chandigarh
6. Th17/Treg in uveitis, USI Chandigarh, October 2024, Chandigarh
7. Posterior pole granuloma, USI Chandigarh, October 2024, Chandigarh
8. Panelist in session of surgery in uveitis cases, USI Chandigarh, October 2024, Chandigarh
9. Fluorescein angiography, Online DOS teaching program, 19 December 2024, Online
10. Surgical steps in VR surgery for diabetic retinopathy, Diabetic retinopathy course at Dr RP Centre, AIIMS, November 2024, Delhi
11. Posterior pole granuloma, DRF meet, December 2024, Delhi
12. Island of vision -video presentation, DRF meet, December 2024, Delhi
13. Instruction course on subretinal injections, DRF meet, December 2024, Delhi
14. Avastin still has a role in retinal disorders, SAE conference, December 2024, Delhi
15. Chairperson, session on paediatric uveitis in cme on paediatric rheumatology, 19 January 2025, Delhi
16. Panelist and discussant, AIOS International Ophthalmic Conclave 2025, 25 January 2025, Online

Swati Phuljhele

1. Acquired Superior Oblique Palsy, World Paediatric Ophthalmology and Strabismus Conference, 11-13 July 2024, Malaysia
2. Posterior Reversible Encephalopathy Syndrome, Indian Neuro-Ophthalmology Society Annual Conference, 21-22 September 2024, Chennai, India
3. Current perspective of Myopia Mangement, Women Ophthlamology Society, 5 October 2024, Delhi, India
4. Myopia Epidemic- Current Recommendations , Women Ophthlamology Society, 5 October 2024, Delhi, India
5. Acquired Superior Oblique Palsy, Maharashtra Ophthalmic Society, 18-20 October 2024, Solapur, India
6. Diagnosis and management of IIH, Maharashtra Ophthalmic Society, 18-20 October 2024, Solapur, India

7. Case based management of optic neuritis, Maharashtra Ophthalmic Society, Solapur, India, 18-20 October 2024, Solapur, India
8. Current Consensus in Myopia, Bombay Ophthalmic Association, Mumbai, 30 November-1 December 2024, Mumbai, India
9. Patient Has Been Diagnosed With Optic Neuritis- How Do I Proceed ? Bombay Ophthalmic Association, Mumbai, 30 November-1 December 2024, Mumbai, India
10. Duane's retraction Syndrome, Delhi Ophthalmology Subspeciality Day, 2 February 2025, Delhi, India
11. Complex Strabismus Management, Moderator, 2 February 2025, Delhi, India

Vinod Kumar

1. Talk on case examples of October in workshop on OCT, Panelist in Surgical session, Rishi RFR, 12-13 April 2024, PGI Chandigarh
2. Vitrectomy for PDR, Optimizing outcomes of macular hole surgery, Reducing metamorphopsia after retinal detachment surgery, Indonesian VR society, 8-9 June, Bandung, Indonesia
3. A discerning gaze for publications, CME "overcoming hurdles, 29 June 2024, GNEC
4. Management of submacular bleed in MNV, Clinical overview of IRDs, CME on medical retina, 7-8 September 2024, Giridhar eye institute
5. Diabetic macular edema - Unconventional treatments for DME – Surgical, Panelist for Interesting cases session, Annual VRSI, Guwahati, 6-8 December 2024
6. Discussant for PDR case, Webinar by Kerala Ophthalmic Society, 28 January 2025, Webinar, New Delhi
7. Walk in patient with floaters, AIOS webinar, 8 February 2025, Webinar, New Delhi
8. Delivered talk on macular hole in IRDs, Panellist in sessions expensive toys or useful tools, masquerades and complexities of VR surgery, ARISE 2025, 21-22 February, Coimbatore
9. DNB (NBE), DNB (NBE), 25 February 2025, Online lecture, New Delhi

Rachna Meel

1. Management of Intraocular Retinoblastoma: ICMR Consensus Guidelines., 17th conference of South Asian Academy of Ophthalmology, 21-23 September 2024, Terma Linca Resort,
2. Management of Retinoblastoma: ICMR guidelines, 34th Annual conference of Oculoplastic's Association of India 'OPAIC-2024', 27-29 September 2024., The Clarkes Amer, Jaipur
3. Management of Retinoblastoma: ICMR guidelines, RPC foundation day, 12 March 2025, Virtual

Vivek Gupta

1. Cross-Sectional Study Design, 1st International Conference on Advances in Integrative medicine, 7-8 March 2025, New Delhi
2. How to Safeguard Patient data – Challenges and Best Practices, Healthcare Technology Transformation Conference, 1 February 2025, New Delhi
3. Using Digital Solutions to Improve cause of death in India, Review meeting of NSW, 31 January 2025, New Delhi
4. Perspectives on eHealth in India, Transforming E-Healthcare Data Management in LMICs using Blockchain Technology by IIT Kanpur, 16-17 January 2025, NOIDA, UP, India
5. Promoting use of digital solutions in cause of death assessment through Verbal Autopsy (VA), Technical Advisory Group Meeting of MINErVA Network, 21 December 2024, New Delhi
6. Moderator Public Eye Care Session, Winter Conference of Delhi Ophthalmological Society 2024, 24 November 2024, New Delhi
7. AIIMS Pathways: How Care is delivered in Primary Eye Care Centres, Sharing Best Practice in Glaucoma for Optimal Care, 14 November 2024, New Delhi

8. Methodology development (selection criteria, study flow diagram), and Practical aspects of study conduct, PG Course on Research Methodology, Writing and Communication, 13 November 2024, New Delhi
9. Chairperson for session on Leadership and Innovation in Digital Health in India, IAPSM Young Leader's National Conclave, 1 November 2024, New Delhi
10. Data Management in Investigator Initiated Clinical Trials, CRU Workshop on Investigator Initiated Clinical Trials, 1 October 2024, New Delhi
11. Data Management for DR Screening Programs, DR Training Workshop, 30 September 2024, New Delhi
12. Publishing for Eye Health Practice, Research Methods Workshop, 8 September 2024, Surat, India
13. Eye Care delivery at Primary level, World Ophthalmology Conference, 16-19 August 2024, Vancouver, Canada
14. Data Entry in excel and Descriptive Statistics, 4th ASSI Basic research methodology workshop, 11 August 2024, Online
15. Variables (primary, secondary, outcome, confounding), 4th ASSI Basic research methodology workshop, 4 August 2024, Online
16. Sampling and sample size calculation, 4th ASSI Basic research methodology workshop, 4 August 2024, Online
17. Integrated People Centred Eye Care And Community Ophthalmology at RPC, ACOIN-Tripura State Chapter Conference, 11 May 2024, Agartala, Tripura, India
18. Patient Cost of Cataract Surgery, ACOIN-NOS-NNJS Indo-Nepal Friendship International Conference 2024, 13-14 April 2024, Thamel, Kathmandu
19. Project Development and Production Mode, Backup and safety, Hands-on Workshop on "Research Data Capturing using REDCap", 9-10 April 2024, New Delhi

Prafulla K Maharana

1. Delivered lectures in challenging situations like corneal opacity and Keratoconus., Eye Fest 2025, 4-5 January 2025, Hubli, Karnataka
2. Customized DALK, Annual conference of Jharkhand Ophthalmic Society, 21-23 February, Deogarh, Jharkhand
3. Non-healing Keratitis, Annual conference of Jharkhand Ophthalmic Society, 21-23 February, Deogarh, Jharkhand
4. "Corneal Topography", Rajasthan Ophthalmological Society, 2 March, Bikaner, Rajasthan
5. "Techniques of Keratoplasty", Rajasthan Ophthalmological Society, 2 March, Bikaner, Rajasthan
6. "Phacoemulsification in Corneal Opacity", Eye Fest 2025, 4-5 January 2025, Hubli, Karnataka
7. "Phacoemulsification in Keratoconus", Eye Fest 2025, 4-5 January 2025, Hubli, Karnataka.
8. "DSAEK over DMEK", Haryana Ophthalmological Society, 26-27 January, Gurgaon, Haryana.
9. "Study materials for PGs: What is Best"? Bombay Ophthalmological Society, 26-27 January, Mumbai, Maharashtra

Dewang Angmo

1. Glaucoma management – Convenor, Annual DOS Conference, 1-2 April 2024, New Delhi
2. Surgical Glaucoma – Moderator, Annual DOS Conference, 1-2 April 2024, New Delhi
3. VAST: Glaucoma Drainage Device GDD, AT TENSION, 26 April 2024, Madurai
4. All about MIGS – What, when & how?, SAO Conference 2024, 21-23 September 2024, Bhutan
5. GONIOSCOPY – tips &TRICKS, GSI 2024, 27 September 2024, Pondicherry
6. Talk on laser PI: When & How to do it?, GSI 2024, 29 September 2024, Pondicherry
7. The role of MIGS in modern glaucoma management, AIOS Webinar 2024, 8 October 2024, New Delhi
8. Glaucoma Drainage Devices tips &Trick, AIOS MID TERM, 26 October 2024, Dehradun
9. Recent advances in management of congenital glaucoma and their outcomes, AIOS MID TERM, 27 October 2024, Dehradun

10. International Award winning presentation felicitation- Angle closure glaucoma, WOS, 04 October 2024, New Delhi
11. MIGS update- IC35, WOS, 6 October 2024, New Delhi
12. International Ophthalmic Heroes of India, Jharkhand Ophthalmic Society CME, 20 October 2024, Virtual Jharkhand
13. SSTC AGV Ahmed Glaucoma Valve, AIOS Midterm 2024, 26 October 2024, Dehradun
14. GP22- Faculty Talks Glaucoma Management Beyond, AIOS Midterm 2024, 26 October 2024, Dehradun
15. SSTC-KDB Kahook Dual Blade Goniotomy, AIOS Midterm 2024, 26 October 2024, Dehradun
16. Recent advances in glaucoma surgery, GSI GIEP, 30 November, Jammu
17. Optic disc evaluation, GSI GIEP, 30 November, Jammu
18. GP15-faculty talks pediatric Ophthalmology - Surf the way, AIOS Midterm 2024, 27 October 2024, Dehradun
19. Ophthalmic surgical challenges 1, DOS winter conference, 23 November 2024, New delhi
20. Interesting cases glaucoma, DOS winter conference, 23 November 2024, New delhi
21. Glaucoma Expert corner, DOS winter conference, 24 November 2024, New delhi
22. Glaucoma management current challenges & best practices, DOS winter conference, 24 November 2024, New delhi
23. Ocular surface & glaucoma medications, DOS winter conference, 24 November 2024, New delhi
24. History taking & Glaucoma evaluation, AIOS Webinar 2024, 14 December 2024, Virtual
25. Lasers in glaucoma, AIOS Guru Sangam, 12 January 2025, Virtual
26. Recent advances in glaucoma surgery, Annual day of RPC, 10 March 2025, New Delhi
27. Live surgery – Kahook dual blade (KDB), Annual day of RPC, 10 March 2025, New Delhi

Shorya Vardhan Azad

1. Scientific Congress – Virtual Session, 58th Dr RP Centre Foundation Day, 8-10 March 2025, New Delhi
2. Retina Update – Session - Children's Retina: Diagnosis and Treatment – Iridofundal Coloboma, PUNE EYECON, 15-16 February 2025, Pune, Maharashtra.
3. Retina Update – Session - The Retina Unraveled: Tough Cases & Videos – Retinal Capillary Hemangioma (RCH), PUNE EYECON, 15-16 February 2025, Pune, Maharashtra.
4. Retina Update – Session - Exploring Medical Retina: Challenges & Solutions – AMD, PUNE EYECON, 15-16 February 2025, Pune, Maharashtra.
5. Towards Quality Retina Care, Akhand Jyoti Eye Hospital, 12 January 2025, Mastichak, Bihar
6. Towards Quality Retina Care – Biosimilar : How Much Similar, Akhand Jyoti Eye Hospital, 12 January 2025, Mastichak, Bihar
7. Vitreo Retinal Surgery Webinar: Case Presentation, NBEMS, December 2024, -
8. Pediatric Retina II: Innovations & Diagnostics – Inherited Retinal Dystrophies, 17th Congress of the Asia-Pacific Vitreo-retina Society, 22-24 November 2024, Singapore.
9. Basic of Diabetic Retinopathy, DR workshop, November 2024, New Delhi
10. Hypertension & the eye, MGM eye hospital, September 2024, Raipur, MP
11. Retinal vein occlusions – clinical features, MGM eye hospital, September 2024, Raipur, MP
12. Managing pearls - retinal vein occlusion, MGM eye hospital, September 2024, Raipur, MP
13. Retinal diseases, MGM eye hospital, September 2024, Raipur, MP
14. ROP in South Asian Region: Current Perspective, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada

15. Medical Retina, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada
16. ROP in South Asian Region: Current Perspective - Real-time management of ROP: Is Combined Treatment Order Of The Day, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada
17. Medical Retina - New targets and biosimilars in the treatment of neovascular AMD and RVO, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada
18. Intravitreal biosimilars are a better choice than reference drugs – PRO, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada
19. Vitreo Retinal Surgery Webinar – Managing Retina Angioma, NBEMS, April 2024.
20. One Change Multiple Effects, AIIMS - Combined Clinical Rounds, New Delhi, India

Shikha Gupta

1. Conducted GIEP, GIEP programme under the aegis of GSI, 18 May 2024, Bathinda
2. OCT in glaucoma, ARC session of AIOS, 15 June 2024, New Delhi
3. MIGS in various situations, AIOS virtual session on Glaucoma for all, 19 July 2024, Online
4. Pediatric glaucoma and the role of MIGS, Ophthaquest, 14 September 2024, Gurgaon
5. Cyclodialysis repair, Online webinar session by AIOS and Ocular Trauma Society of India, 16 August 2024, Online webnar
6. MIGS in advanced glaucoma, to do or not to do?, EyeEdu by Eye Foundation, 26 June 2024, Online
7. Malignant glaucoma, Glaucoma Case Carnival, 23 December 2024, Paschim Vihar
8. Awareness talk on glaucoma, TV Zee Media, 10 November 2024, Noida
9. Awareness talk on eye donation fortnight , Doordarshan Media, 5 September 2024, New Delhi
10. Glaucoma Associated with uveitis, EAPOS, 6-8 November 2024, Luxor, Egypt
11. Surgery in congenital glaucoma: trabeculotomy only, EAPOS, 6-8 November 2024, Luxor, Egypt
12. Chairman of the session on surgery in pediatric glaucoma , EAPOS, 6-8 November 2024, Luxor, Egypt
13. GATTing past the challenges, Winter DOS, 23-24.22.24 , New Delhi
14. Co-convener for the Glaucoma Expert Corner, Winter DOS, 23-24.22.24 , New Delhi
15. 'Video Assisted Course: GATT in different Situations' " as Co- Instructor on "Snapshots of AS Imaging in Children", 3rd Mid-term AIOS, 26 October 2024, Dehradun
16. "Management of Post Refractive Surgery in Glaucoma. How is it different?", GSI, 27 September 2024, Pondicherry
17. Anterior Segment October and UBM in Glaucoma, GSI, 27 September 2024, Pondicherry
18. Moderated a glaucoma debate session, DOS speciality day, 2 March 2025, New Delhi
19. Surgical challenges in GATT surgery , DOS speciality day, 2 March 2025, New Delhi
20. Aqueous angiography: scopes and utility,, 8 March 2025, New Delhi
21. Chair for session on 'Glaucoma in a nutshell', RPC foundation day, 8 March 2025, New Delhi
22. Moderated an International guest lecture seminar by Dr Malik Y Kahook on advances in glaucoma therapeutics, GSI, 25 February 2025, Online
23. GATT in different situations- video-assisted, WOS Annual Conference, 4-6 October 2024, New Delhi
24. Convened the session on 'Genomics in Ophthalmology: What the future holds', WOS Annual Conference, 4-6 October 2024, New Delhi

Manpreet Kaur

1. IOL power calculation after refractive surgery- Various Formulae and Recommendations, iFOCUS, 21 March 2025, Virtual

2. Toric IOL in small pupils, AIOS International Masterclass, 28 September 2024, Virtual
3. Modern Day Refractive Surgery, Ophthalmic Grand Rounds. Blackpool Teaching Hospitals NHS Foundation Trust. Blackpool, UK, 14 May 2024., Virtual
4. ICL Sizing- October Based Sizing, Keracon 2024, 6-8 December 2024, Bangalore
5. When Bioptics distorts the optics- refractive nightmare, Keracon 2024, 6-8 December 2024, Bangalore
6. Corneal Scraping- the way to go, Keracon 2024, 6-8 December 2024, Bangalore
7. CIRCLE pattern- Clinical Applications, Keracon 2024, 6-8 December 2024, Bangalore
8. Selective Laser Capsulotomy- Gateway to Perfect Phacoemulsification, Keracon 2024, 6-8 December 2024, Bangalore
9. Selective Laser Capsulotomy- Gateway to Perfect Phacoemulsification, BOA FOCUS ANNUAL CONFERENCE 2024-2025, 29 November-1 December 2024, Mumbai, India
10. Sequential Surgery in Fuchs Endothelial Dystrophy, BOA FOCUS ANNUAL CONFERENCE 2024-25, 29 November-1 December 2024, Mumbai, India
11. Phakic IOL's - Intraop Flips & Postop Twists, 43rd Annual Meeting of Karnataka Ophthalmic Society Annual Meeting. (KOSCON 2024), 22-24 November 2024, Udupi, Karnataka
12. Refractive Surgery - Perfecting The Art - Circle pattern of SMILE - clinical application, 43rd Annual Meeting of Karnataka Ophthalmic Society Annual Meeting. (KOSCON 2024), 22-24 November 2024, Udupi, Karnataka
13. Tough Cataract Cases Symposium, ROSCON 2024 Annual Meeting. 8-10 November, Udaipur, India
14. The Challenging Case Symposium, ROSCON 2024 Annual Meeting. 8-10 November, Udaipur, India
15. Cataract & Refractive Jewels session - 3 - Circle pattern of retreatment - clinical applications, ROSCON 2024 Annual Meeting, 8-10 November, Udaipur, India
16. Competitive Free Paper Finals (ROS Member) "Dr B.C. Sharma Gold Medal"., ROSCON 2024 Annual Meeting. 8-10 November, Udaipur, India
17. CIRCLE pattern of retreatment: Clinical applications & Outcomes. Precision Vision : Enhancing outcomes in Refractive Surgery., AIOS Midterm Conference, 25-27 October 2024, Dehradun, India
18. GP82 - AIOS-ARC Open House Leadership Development Programme Session 2 : Emotional Intelligence., AIOS Midterm Conference, 25-27 October 2024, Dehradun, India
19. Circle pattern in SMILE- clinical applications, WOS Annual Meeting, 4-6 October 2024, New Delhi
20. Burden of corneal blindness in India, CME on Eye Donation & Keratoplasty, 6-7 September 2024, Aurangabad, India
21. New Generation material for next generation IOLs, Indian Society of Cornea &Keratorefractive Surgeons, 2-4 August 2024, Delhi, India
22. A novel Silver nano ion based Self preserved technology, Indian Society of Cornea &Keratorefractive Surgeons, 2-4 August 2024, New Delhi
23. Circle Software- Clinical Applications, Indian Society of Cornea &Keratorefractive Surgeons, 2-4 August 2024, New Delhi
24. Microkeratome vs femtosecond LASIK, AIOC-ARC PG Teaching Program North Zone, 14-16 June 2024, New Delhi
25. IOL Power Calculation in Complex Cases, iFOCUS 2024: Cataract Module, 3 April 2024, Virtual

Rebika

1. Invited Speaker "Muscle transplant procedure", Annual DOS 2024, 30 March 2024, New Delhi
2. Invited talk on "Binocular diplopia", AIOC-ARC Webinar in Neuro-ophthalmology, 19 April 2024, Online
3. Invited Speaker on "Basic work-up in strabismus", AIOS PG TEACHING 2024, 24 March 2024, New Delhi
4. Invited Guest Speaker on "Binocular diplopia", Sitapur Eye Hospital (RIO), 3 July 2024, Online

5. As Speaker on “Rituximab induced optic neuritis”, AIOS Masterclass in Neuro-ophthalmology, 28 August 2024, Online
6. Speaker on “Myopia Management- Guidelines and best practices”, INOS 2024, 21 September 2024, Chennai,
7. Invited talk on “Controversies in myopia management ”, WOS 2024, 05 October 2024, New Delhi
8. Invited guest lecture on “assessment of squint ”, All India Institute of Ayurveda, 25 November 2024, New Delhi
9. Moderator, Panelist and Speaker in different sessions Talk on “Current Consensus in Myopia”, Paeds Ophthalmology Subspecialty Day DOS 2025, 02 February 2025, New Delhi
10. Panelist and moderator in strabismus session, AIOS PG TEACHING 2024, 24 March 2024, New Delhi
11. Panelist in myopia session, WOS 2024, 05 October 2024, New Delhi
12. Speaker, moderator and panelist, Paediatric ophthalmology subspecialty Day 2025, 2 February 2025, New Delhi

Amar Pujari

1. Wetlab training in strabismus, Srilankan talk, 12-15 September 2024, Sri Lanka

Sridevi Nair

1. Confocal Microscopy in Microbial Keratitis, Annual ISCKRS Meet 2024, 4 August 2024, New Delhi
2. Decision Making in Refractive Surgery, Annual Kanpur Ophthalmological Society Meet 2024, 1 September 2024, Kanpur
3. Supratarsal steroid injection in VKC, AIOS-ARC Webinar, 20 September 2024, Online
4. Cataract Surgery in Diabetic Patients, RP Centre Diabetic Retinopathy Workshop, 9 November 2024, New Delhi
5. Corneal Imaging in Subclinical Ectasia, Keracon 2024, 8 December 2024, Bengaluru
6. Infectious Keratitis- Diagnosis and Principles of Management, AIOS International Ophthalmic Conclave, 26 January 2025, Online
7. Emerging trends in physiological IOP Phacoemulsification, Ophthalmic Scientific Fiesta, 58th RPC Foundation day Celebrations, New Delhi
8. Session-Understanding and treating corneal inflammation, Winter Conference of Delhi Ophthalmological Society, 24 November 2024., New Delhi
9. Session-Vision correction and refractive surgery, Winter Conference of Delhi Ophthalmological Society, 24 November 2024, New Delhi
10. Session-Corneal Ectasia, Keracon 2024, 8 December 2024, Bengaluru
11. Session- Bridging The Gap: Bench To Bedside, Ophthalmic Scientific Fiesta, 58th RPC Foundation day celebrations, 8 March 2025,
12. Session-Exploring new horizons, Annual ISCKRS Meet 2024, 4 August 2024, New Delhi
13. Session-Ocular surface reconstruction, Annual ISCKRS Meet 2024, 4 August 2024, New Delhi

Devesh Kumawat

1. ROP reactivation following ant-VEGF mono therapy, DOS retinal subspecialty day 2024 15 September 2024, Delhi
2. Aggressive ROP, JHOS annual conference 2025, 22-23 February 2025, Deoghar, Jharkhand

Sahil Agarwal

1. A stitch in time saves nine - Posterior Lamellar Tarsorrhaphy, 9th Mid Term OPAI Conference, 2024, May 2024, Chandigarh
2. Flaps in Oculoplasty, OPAIC 2024, September 2024, Jaipur
3. Essentials and Strategic Foundations in Reconstruction of a Lost Lid, **Winter Conference of Delhi Ophthalmological Society**, November 2024, New Delhi

4. Botox – Beyond Aesthetics, **Winter Conference of Delhi Ophthalmological Society**, November 2024, New Delhi
5. Oculoplasty Session, RP Centre, Foundation day, March 2024, New Delhi
6. Flaps in Oculoplasty, OPAIC 2024, September 2024, Jaipur
7. Teachers Of Future - Prelims, **Winter Conference of Delhi Ophthalmological Society**, November 2024, New Delhi
8. External Eye Disease & Ocular Oncology, **Winter Conference of Delhi Ophthalmological Society**, November 2024, New Delhi
9. Young Ophtal Teachers, **Federation of Ophthalmic teachers of India 2025 8th Annual conference**, January 2025, Chandigarh
10. Oculoplasty Virtual, RP Centre Foundation day, March 2025, New Delhi

Anu Malik

1. Moderator for Exploring Novel Frontiers session, Panelist in Keratoplasty Techniques, Judge in Poster Podium Presentation, Indian Society of Cornea and Keratorefractive Surgeons, August 2024, New Delhi
2. Moderator for HOD Connect - HOD Connect, Nepal Session - Nepal Session, Free Paper- Final - Free Paper-Final, Final Virtual PG Program - Final Virtual PG Program, Panelist for Plenary session (WOS Inspiration) - Plenary session (WOS Inspiration, WOS Annual Conference 2024, 4-6 October 2024, New Delhi.
3. Presented a faculty talk on Dual Polymer advantage in the management of Dry Eyes, Free paper presentation on To assess the effectiveness of Systane COMPLETE in improving MG Score and in reducing dryness, Presented a faculty talk on Teaching SICS to residents - potential challenges during the learning phase, Judge for Physical Poster, Coordinator for Teachers of Tomorrow Session, The 3rd Mid Term Conference of AIOS 2024, 25-27 October 2024, Dehradun
4. Co-ordinator for academic QUIZ, Moderator for a session on Lamellar Keratoplasty: A Modern Approach to, Corneal Transplantation, talk on Role of Microbiological Analysis in treating corneal infections, The 58th Annual Conference of U.P. State Ophthalmological Society (UPCON 2024), 29 November 2024, Meerut, UP
5. Presented a faculty talk AI in microbial keratitis, in Microbial Invasion & Cornea session, Judge for Cataract & IOL session, panelist in Phacoemulsification Surgical Techniques, Ophthalmic Surgical Challenges, Ophthalmology Case Files, Convener for Teachers Of Future session, Moderator for Legal Consideration in Ophthalmology session, Mid term Delhi Ophthalmological Society conference, November 2024,
6. Moderator for best of the best Session, KERACON 2024 by the Cornea Society of India, 6-8 December 2024, Bangalore
7. Moderator for Eyeshala - Session 1, Panelist for AIOC Theatre E-Poster - Cataract II, Convenor for Teachers of Tomorrow, Judge for PP – Cornea, Talk on From Blurred Vision to Clarity: Contact Lenses in Keratoconus, Update - Navigating the Curves: Problems and Solutions in Keratoconus, PLAYER in Science & Fun in Ophthalmology, Talk on Management of Post Traumatic Corneal Scar Optimising Anterior Segment Ocular Trauma Outcomes, APAO-AIOC 2025, 2-6 April 2025, Delhi

Saurabh Verma

1. Management of suprachoroidal hemorrhage, AIOS midterm 2024, ---- Dates? Dehradun
2. Management of retained intraocular foreign bodies, UPCON 2024, ----, Meerut
3. Post trabeculectomy suprachoroidal hemorrhage in a one eyed pediatric patient, APAO session in World ophthalmology congress 2024, ---, Vancouver Canada
4. Artificial intelligence in ROP, Scientific congress RPC on RPC Day 2025, 10 M arch 2025, Delhi
5. Panretinal photocoagulation in management of Proliferative diabetic retinopathy, AIOS-ARC Webinar-February 2025, 21 February 2025, Webinar
6. Role of Anti VEGF injections in management of Proliferative Diabetic Retinopathy, Workshop on Diabetic retinopathy November 2024, AIIMS, Delhi, 9-10 November 2024, Delhi

Ashish Markam

1. "Retinal Revival: Triumphs in Managing Complex Detachments" (Video presentation), YOSICON India, 27-28 April 2024, New Delhi
2. Impact of timing during simulated vitreoretinal surgery by a trainee", Bridge Retina Congress, 27-28 June 2024, Alexandria, Egypt
3. "Retinal Revival: Triumphs in Managing Complex Detachments" (Video presentation), Bridge Retina Congress, 27-28 June 2024, Alexandria, Egypt

Ocular Microbiology

4. Infections of the Cornea caused by Opportunistic and Emerging yeasts**,** ISCKRS 2024, 04 August 2024, New Delhi
5. Multiplex PCR for Detection of Herpes Simplex Viruses Type-1 and Type-2, Cytomegalovirus, Varicella-Zoster Virus and Adenovirus in Ocular Viral Infections, RP Centre Foundation day celebrations- Ophthalmic Scientific Fiesta, 08 March 2025, Virtual

LECTURES DELIVERED OVER PAST THREE YEARS:

2022–2023	2023–2024	2024–2025
682	598	436

List Of Oral Papers/Posters Presented: 256

1. Agarwal S, Pushker N, Bajaj MS, Sasi A, The costly affair of an eyelid itch, 32nd Annual Congress of the College of Ophthalmologists of Sri Lanka, September 2024, Colombo, Srilanka
2. Agarwal S, Pushker N, Bajaj MS, Sasi A, The costly affair of an eyelid itch, OPAIC 2024, September 2024, Jaipur
3. Agrawal S, Pushker N, Bajaj MS, Meel R, Costly affair of an eyelid itch, Annual Congress of the College of Ophthalmologists, 12-15 September 2024, Srilanka
4. Agrawal S, Pushker N, Bajaj MS, Meel R, Orbital Trauma-Keep an eye for the details!, South Asian Academy of Ophthalmology, 21-23 September 2024, Bhutan
5. Ahmed Nishat Hussain, Sushma Nandyala, Saigal Karnika, Titiyal Jeewan Singh, Tandon Radhika, Sharma Namrata, Complete Microbiological Work-up and Clinico-epidemiological Analysis of Cases of Epidemic Keratoconjunctivitis During an outbreak in Monsoon 2023 in Delhi, MICROCON 2024, 22 November 2024, Pune, Maharashtra
6. Angmo D, Kanchan S, Dada T, Sheep eye pupil - DOS photo contest**,** DOS Midterm, 2 April 2024, Delhi
7. Angmo D, Mahalingam K, Gowtham L, Elancheliyan P, Velpandian T, Sihota R, Dada T., Analysis of the Systemic Exposure of Mitomycin C Used in Glaucoma Filtering Surgery Among Women in the Reproductive Age Group., AIOS 2024, 12 May 2024, Cochin
8. Angmo D, Murthy Adithi, Dada T, Phacoemulsification combined with endoscopic cyclophotocoagulation vs phacoemulsification alone in primary angle closure glaucoma - a RCT – Poster walk ppt**,** WGC 2024, 28-30 June 2024, Rome, Italy
9. Angmo D, Prakash S, Dada T, Structural and functional changes in macula overtime in ocular hypertension vs controls - Poster presentation**,** WGC 2024, 28-30 June 2024, Rome, Italy
10. Angmo D, Shaw E, Sharma N, Dada T, Needle assisted 360 goniotomy in PCG**,** IPGS 2023, 2-3 December 2024, Delhi
11. Angmo D, Shweta D, Sharma N, Dada T, Tackling the tube in a case of refractory Sturge weber syndrome with secondary glaucoma – A surgeons nightmare! - Poster presentation – WGC Travel grant awarded**,** WGC 2024, 28-30 June 2024, Rome, Italy
12. Angmo D, Tavish G, Sharma N, Dada T, Tackling a case of post traumatic subluxated lens with secondary glaucoma with vitreous in AC**,** DOS Midterm, 2-3 September 2024, Delhi

13. Angmo D, Vineeth S, Dada T, Challenging scenario in AGV Implantation - Video**,** WGC 2024, 28-30 June 2024, Rome, Italy

14. Angmo D, Vineeth S, Dada T, Long-term outcomes of ciliary sulcus placed AGV tube in refractory glaucoma's of Indian Eyes - Poster presentation**,** WGC 2024, 28-30 June 2024, Rome, Italy

15. Azad Shorya Vardhan, Assessment of biomarker levels in serum and vitreous and their correlation in Type 1 and 2 DM with PDR [FP324], All India Ophthalmology Conference 2024, 25-27 October, Dehradun

16. Azad Shorya Vardhan, Classification of Neovascularization using Wide-Field Optical Coherence Angiography in PDR, 17th Congress of the Asia-Pacific Vitreo-retina Society, 22-24 November 2024, Singapore

17. Azad Shorya Vardhan, Classification of Neovascularization using Wide-Field Optical Coherence Angiography in PDR [FP231], All India Ophthalmology Conference 2024, 25-27 October, Dehradun

18. Azad Shorya Vardhan**,** Management of Globe Damage during peribulbar block for anterior segment surgery**,** 11th Evolving Practice of Ophthalmology Middle East Conference 2024**,** 5-7 December 2024**,** Dubai, UAE

19. Azad Shorya Vardhan, Myriad manifestations of isolated optic nerve infiltration in acute lymphoblastic leukemia: a visual emergency, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada

20. Azad Shorya Vardhan, Settling the Unsettled, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada

21. Bansal M, Tripathi M, Kaur M, Spontaneous rotation of toric implantable collamer lens with adequate vault-one size may not fit all, World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada

22. Bansal Vidit, Dada Tanuj, Dewang Angmo, Sudarshan Khokhar, Jeewan S. Titiyal, Poster Podium Session Abstract: 30079353 The Efficacy and Outcomes of Intrastromal Keratoplasty Using Biosynthetic Corneas and Human Donor Cornea Lenticules in Eyes With KCN, The AAO 2024 Annual Meeting, 17-21 October 2024, Chicago, USA

23. Bari Aafreen, Agarwal Tushar, Namrata Sharma, E-Poster Crescentic Autograft-Graft Salvage Technique for Undersized Lenticules in Superficial Anterior Lamellar Keratoplasty, The IX World Cornea Congress IX 2025, 20-23 March 2025, Washington DC Downtown, USA

24. Bari Aafreen, Sharma Namrata, [FP399] – The Clinical Outcomes of Minor Salivary Gland Transplantation In Chronic Stevens-Johnson Syndrome, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

25. Bari Aafreen, Khokhar SK, Sharma Namrata, Agarwal Tushar, PO135 Scientific Poster Outcomes of minor Salivary Gland Transplantation for Severe DED Secondary to Chronic SJS, The AAO 2024 Annual Meeting, 17-21 October 2024, Chicago, USA

26. Bari Aafreen, Sharma Namrata, E-Poster Clinical Outcomes of Minor Salivary Gland Transplantation for Severe Dry Eye Disease Secondary to Chronic SJS, The IX World Cornea Congress IX 2025, 20-23 March 2025, Washington DC Downtown, USA

27. Barman I, Bajaj M.S, Pushker N, Chhabra A, Kumar V2, Lomi N, Indocyanine Green Enhanced TTT Vs TTT for Treatment of Thicker Tumors in Retinoblastoma - A Randomized Control Trial, The Biennial Meeting of the International Society of Ocular Oncology, 2024, 3-7 December 2024, Goa, India

28. Barman I, Bajaj MS, Pushker N, Chhabra A, Kumar V, Lomi N, Indocyanine Green enhanced TTT Vs TTT for Treatment of thicker tumors in Retinoblastoma- A randomised control trial., 34th Biennial meeting of international society of oncology, 3-7 December 2024, Goa, India

29. Bhardwaj P, Nafees S, Angmo D, Kaur J, Impact of extranuclear DNA alterations on juvenile open angle glaucoma development, 4th AIIMS Research Day, 30 January 2025, AIIMS, New Delhi

30. Chawla Rohan, Posterior pole granuloma, USI, October 2024, Chandigarh

31. Chawla Rohan, Th17/Treg in uveitis, USI, October 2024, Chandigarh

32. Chief & Presenting Author: Anu Malik2, Co-Author(s) : Prafulla Maharana, Namrata Sharma, To assess the effectiveness of Systane COMPLETE in improving MG Score and in reducing dryness, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

33. Chief & Presenting Author: karnika Saigal Co-Author(s): Anu Malik2, Ananya Parampalli Ravindra2, Gagandeep Singh3, Nishat Hussain Ahmed1, Namrata Sharma, M. Vanathi2, Radhika Tandon, Immaculata Xess3, J.S Titiyal, Ocular Nocardia Infections: Case Study, ARVO India 2024, September 27-29, 2924, New Delhi,

34. Co-Author, PA071 – Clinical Efficacy and Comparative Evaluation of Topical Caspofungin vs. Topical Natamycin in Fungal Keratitis, The AAO 2024 Annual Meeting, 17-21 October 2024, Chicago, USA

35. Comparison of time for endotracheal intubation with flexible tip bougie versus standard bougie during videolaryngoscopy in simulated cervical spine immobilization in adult patients: a prospective, randomized control study", ESICM LIVES 2024, 9 October 2024, Barcelona, Spain

36. Das Sudipto, Gupta Neerja, Sadanand Rohit, Mishra Pallavi, Nath Madhu, Halder Nabanita, et al, Drug monitoring and individual dose optimization of Nitisinone in the treatment of Hereditary Tyrosinemia., International Pharmacology Conference and 54th annual conference of Indian Pharmacology Society, 28-30 November 2024, AIIMS, New Delhi

37. Das Sudipto, Gupta Neerja, Sadanand Rohit, Mishra Pallavi, Madhu Nath, Nabanita Halder, Thirumurthy Velpandian, Nitisinone in the treatment of Hereditary Tyrosinemia-1; How much is enough for therapeutic efficacy, 5th Science Conclave cum National Biomedical Research Competition, 1-3 December 2024, AIIMS, New Delhi

38. Das Sudipto, Roy Tapas Kumar, Nath Madhu, Nabanita Halder, Thirumurthy Velpandian**,** Development of Pharmaceutically Stable Sodium Ascorbate Eye Drops for Use in Ocular Emergencies, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr R P centre, AIIMS, New Delhi

39. Deshmukh Rashmi, Heroor Anirudh, Gautam Singh Parmar, Namrata Sharma, Rasik B Vajpayee, VO1 Video Noncircular Corneal Transplants, The AAO 2024 Annual Meeting, 17-21 October 2024, Chicago, USA

40. Devi S Chandra, Malik Anu, Maharana Prafulla Kumar, Sharma Namrata, [FP806} – Corneal Tomography In Determining Outcomes of Descemet Membrane Endothelial Keratoplasty In Fecd, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

41. Dewang Angmo, Co-Author(s): Tanuj Dada, Namrata Sharma, Adithi, [VT158] – Endoscopic Cyclophotocoagulation (Ecp) And Endoscopy For Glaucoma Management – Tips & Tricks, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

42. Dinesh K. Baitha, Neelima Sharma, N. Kabir, Preeti, SeemaSen, Seema Kashyap, NeelamPushker, Role of IHC in diagnosis of malignant ocular round cell tumors, LABTECH-CON-2024, 21-22 October 2024, JLN, AIIMS, New Delhi *3

43. Dr.Rachna Meel, Dr.Nipun Kumar, Dr.NeelamPushker, Dr. MS Bajaj, Dr.Seema Kashyap, Dr. Sameer Bakhshi, Change in ease of surgery score after Neoadjuvant Chemotherapy for Eyelid Sebaceous Gland Carcinoma, SAO 2024, 21-23 September 2024, Thimphu, Bhutan

44. Faculty Talk, Flaps in Oculoplasty, OPAIC 2024, September 2024, Jaipur

45. Faculty Talk, Orbital Trauma-Keep an eye for the details!, 17th SAO conference, September 2024, Thimpu, Bhutan

46. Faculty Talk, Posterior Lamellar Tarsorrhaphy in Early Treatment of Severe Eyelid Trauma/Burns, 17th SAO Conference, September 2024, Thimpu, Bhutan

47. Faculty, External Eye Disease & Ocular Oncology, Winter Conference of Delhi Ophthalmological Society, November 2024, New Delhi

48. Faculty, Oculoplasty Virtual, RP Centre Foundation day, March 2025, New Delhi

49. Faculty, Teachers Of Future - Prelims, Winter Conference of Delhi Ophthalmological Society, November 2024, New Delhi

50. Faculty, Young Opthal Teachers, Federation of Ophthalmic teachers of India 2025 8th Annual Conference, January 2025, Chandigarh

51. Free Paper – Coauthor Krithika Rajkumar, M Vanathi, Arundhati Sharma, Noopur Gupta, Radhika Tandon., Genetic profile of Anterior Segment Development anomalies in Asian Indian population, 9th Biennial Meeting of Asia Cornea Society in conjunction with the 7th Biennial Meeting of Indonesian Society of Cataract and Refractive Surgery, 26-28 September 2024., Jakarta, Indonesia

52. Gayatri Suresh, Anannya Tuli, Ujjwal Kumar, Madhu Nath, Nabanita Halder, Thirumurthy Velpandian., Phthalic Acid Ester (PAEs) Levels in Aquatic Resources of Delhi-NCR: An explorative study., International Pharmacology Conference and 54th annual conference of Indian Pharmacology Society, 28-30 November 2024, AIIMS, New Delhi

53. Gupta Nandini, Lomi Neiwete, Tandon Radhika, Vanathi M, Chawla Bhavna, Gupta Noopur, Kashyap Seema, Perilesional Injections versus topical interferon alpha 2b in ocular surface squamous neoplasia (OSSN), SAO 2024, 21-23 September 2024, Thimphu, Bhutan***1**

54. Gupta Noopur, Gupta Tavish, Gupta Vivek, Vashist Praveen, Tandon Radhika, Vanathi M, Neiwete Lomi, Breaking the Haze: Artificial Intelligence to combat Corneal Blindness, South Asian Academy of Ophthalmology, 21-23 September 2024, Thimpu, Bhutan

55. Gupta Noopur, Gupta Tavish, Gupta Vivek, Vashist Praveen, Radhika, Artificial Intelligence powered smartphone app to tackle corneal blindness, ACOIN, 27-29 September 2024, Puri

56. Gupta Noopur, Vashist Praveen, Gupta Vivek, Sanjam Suraj Singh, Trachoma free India: A reality, ACOIN, 27-29 September 2024, Puri

57. Gupta Noopur, Infective keratitis, Cornea CME, 3 March 2025, Gurugram, Haryana

58. Gupta Noopur, Management of Acute Chemical Injury, PG Refresher course 2024, in the session on "Cornea & Ocular surface", 14-16 June 2024, New Delhi

59. Gupta Noopur, Ocular Disorders in Community eye care, Primary Eye Care CME, 11-14 May 2024, Delhi

60. Gupta Noopur, Ocular Microbiome in Health & Disease, National Chemical Laboratory CME, 17 January 2025, Pune. India

61. Gupta Noopur, Ocular Surface Disease: A lifestyle Disease based on 2023 TFOS Lifestyle Workshop recommendations, Dry Eye ORA (Ophthalmic Research Association) Update 2024, 14 November 2024, New Delhi

62. Gupta Noopur, Vanathi M, Tandon Radhika, Ocular microbiome in LSCD, South Asian Academy of Ophthalmology, 21-23 September 2024, Thimpu, Bhutan

63. Gupta Shobhit, Singh Nihal, Nath Madhu, Halder Nabanita, Velpandian Thirumurthy, Association between plasma biocides levels and diabetic retinopathy, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr R P centre, AIIMS, New Delhi

64. Gupta Shobhit, Singh Nihal, Nath Madhu, Nabanita Halder, Thirumurthy Velpandian, Association between plasma biocides levels and diabetic retinopathy, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr R P centre, AIIMS, New Delhi

65. Gupta V, Dhiman R, Phuljhele S, Sharma N, Saxena R., Efficacy of Pharmacological vs Optical intervention in preventing myopia progression among school aged Indian Children: A Parallel Group Randomized Clinical Trial., 30th annual meeting of ARVO India, 28-29 September 2024, Delhi

66. Gupta V, Sarath S, Vashist P, SS Senjam, Sharma R, Bharadwaj A, Enhancing Primary Eye Care Data Management using free and Open Source OpenDataKit platform [P-EPI-033], World Ophthalmology Conference, 16-19 August 2024, Vancouver, Canada

67. Gupta V, Saxena R, Dhiman R, Phuljhele S, Sharma N., Long term effect of atropine 0.01% vs atropine 0.05% on higher order aberrations, retinal image quality and contrast sensitivity among children with progressive myopia., ARVO, 4-8 May 2024, Seattle, USA

68. Gupta V, SS Senjam, Gupta N, Bhardwaj A, Kumar D, Sharma R, Vashist P, Health Related Quality of Life among patients seeking primary eye care services in North India [P-EPI-011], World Ophthalmology Conference, 16-19 August 2024, Vancouver, Canada

69. Hussain Ahmed Nishat, Jeewan Singh Titiyal, Tandon Radhika, Sharma Namrata, Immaculata Xess, Rohan Chawla, Gagandeep Singh, Prachala Rathod, Species Identification, Antifungal Susceptibility Profile and Virulence Factors of *Candida species* Isolates from Ocular Infections, MICROCON 2024, 22 November 2024, Pune, Maharashtra

70. Jahangir Mariya, Sharma Pankaj Kumar, Tuli Anannya, Nath Madhu, Moshe Rogosnitzky, Nabanita Halder, Thirumurthy Velpandian, Evaluation of Dipyridamole Eye Drops for the Treatment of Corneal Neovascularization: Pharmacokinetics and Ocular Toxicity, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr RP centre, AIIMS, New Delhi

71. Jain V, Sinha R, Kaur M, Clinical Efficacy and Comparative Evaluation of Topical Caspofungin vs. Topical Natamycin in Fungal Keratitis, American Academy of Ophthalmology Annual Meeting, 18-21 October 2024, Chicago, USA

72. Jayaraj Perumal, Kant Nimita, Sen Seema, Dutta Shreya, Analysis of invasive properties of eyelid sebaceous gland carcinoma and uveal melanoma xenograft using chick chorioallantoic membrane assay, NBRCOM 2024 (5TH Science Conclave cum national biomedical research competition), 1-3 December 2024, New Delhi

73. Jayesh TR, Vanathi M, Gupta N, Lomi N, Vohra R, Tandon R, Electronic Poster: Visual Outcomes of Cataract Surgery in Patients with Age-Related or Diabetic Maculopathy – Preoperative Predictors and Patient Satisfaction, Annual Meeting of ASCRS ASOA 2024, 5-8 April 2024, Boston, MA, USA

74. Jyothi A, Co-Author(s) : Anu Malik, Prafulla Kumar Maharana, Namrata Sharma, [FP489] - Brittle Cornea Syndrome: Integrating Unique Presentations And Novel Management Options, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

75. Jyothi A, Malik Anu, Maharana Prafulla Kumar, Sharma Namrata, [FP489] - Brittle Cornea Syndrome: Integrating Unique Presentations And Novel Management Options, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

76. Kaur M, Titiyal JS, Comparative Evaluation of Morphological and Visual Outcomes Using Two Laser Capsulotomy Devices, American Academy of Ophthalmology Annual Meeting, 18-21 October 2024, Chicago, USA

77. Keratoconus Management 45 minutes, Mahatma Gandhi Medical College PG teaching, 2 September 2024, 3.30 – 4.30 pm, Online PG teaching webinar

78. Krishna Manumuralee, Nath Madhu, Velpandian T, Vanathi M, Comparative evaluation of single and multidose ocular pharmacokinetics of topical Posaconazole in humans, ARVO-IERG -2024, 27-29 September 2024, Delhi

79. Kumar Nikhil, Singh Lata, Singh Mithalesh Kr, Pushkar Neelam, Meel Rachna, Lomi Neiwete, Sen Seema, Kashyap Seema, Hippo Pathway Dysregulation in uveal melanoma. Prognostic implications of LATS and Cell Cycle Kinases, ARVO-India, 28-29 September 2024, New Delhi

80. Kumawat Devesh, Chawla Rohan, Venkatesh Pradeep, Infective retinitis- Atypical retinitis in immunocompetent elderly patient, Delhi Retinal Meet 2024, 31 August 2024, Delhi

81. Kumawat Devesh, Verma Saurabh, Azad Shory Vardhan, Chawla Rohan, Venkatesh Pradeep, Ultra-wide-field funds fluorescein angiography-based prediction of proliferative retinopathy in retinal vasculitis at, APVRS conference 2024, 22-24 November 2024, Singapore

82. Kumawat Devesh, Verma Saurabh, Shory Azad Vardhan, Chawla Rohan, Venkatesh Pradeep, Changing trends and clinical characteristics of acquired Syphilitic posterior and pan uveitis**,** APVRS conference 2024, 22-24 November 2024, Singapore

83. **Lomi Neiwete**, Expert panel - Cases 5. Intraocular Tumors and Ocular Surface Tumors, ISOO 2024, 6 December 2024, Goa

84. **Lomi Neiwete**, Judge- Oculoplasty & Oncology session, Winter DOS conference 2024, 23 November 2024, New Delhi

85. **Lomi Neiwete**, Judge for the "eCases 2. Intraocular Tumors, Eyelid Tumors and Ocular Surface Tumors" session., ISOO 2024, 4 December 2024, Goa

86. **Lomi Neiwete**, Moderator- Vision Correction & Refractive Surgery, Winter DOS conference 2024, 24 November 2024, New Delhi

87. **Lomi Neiwete**, Panelist- Oculoplasty and Oncology Renaissance, RPC Ophthalmic Fiesta, 8 March 2024, AIIMS New Delhi

88. **Lomi Neiwete**, Panelist- Phacoemulsification Hurdles, Winter DOS conference 2024, 24 November 2024, New Delhi

89. **Lomi Neiwete**, Speaker- Choroidal Hemangioma – Management Options, 10th Delhi Retina Meet 2024), 30 August-1 September 2024, India Habitat Centre, New Delhi

90. **Lomi Neiwete**, Speaker- Current approach to the diagnosis and management of choroidal tumors, RPC Ophthalmic Fiesta, 8 March 2024, AIIMS New Delhi

91. **Lomi Neiwete**, Speaker- Elevated choroidal lesions in my clinic – what next, Ophthaquest 2024, 13-15 September 2024, Crown Plaza, Gurugram

92. **Lomi Neiwete**, Speaker- Objective Assessment of Ocular Surface Following Plaque Brachy therapy with Ruthenium 106 (Ru106) in Intraocular Tumors, ASCRS 2024 Annual Meeting, 5-8 April 2025, Boston, USA

93. **Lomi Neiwete**, Speaker- PerilesionalInjectionsVersusTopicalInterferonAlpha-2binOcularSurfaceSquamousNeoplasia., ISOO 2024, 6 December 2024, Goa

94. **Lomi Neiwete**, Speaker- Plaque Brachytherapy: Expanding Role in Ocular Tumors, OPAIC 2024, 27-29 September 2024, Hotel Clarks Amer, Jaipur

95. **Lomi Neiwete**, Speaker- Quantitative Study of Retinal Circulation Based on Optical Coherence Tomography Angiography after Plaque Brachytherapy in Uveal Melanoma, ISOO 2024, 4 December 2024, Goa

96. M Vanathi, 22nd Annual Congress of International Society of Cornea, Stem cells and Ocular Surface (SICSSO 2024) 27-29 June 2024

97. M Vanathi, 39th World Ophthalmology Congress, (WOC2024) Vancouver, Canada, 16-19 August 2024

98. M Vanathi, 40th Asia Pacific Academy of Ophthalmology Congress in Conjunction with the 83rd Annual Conference of the All Indian Ophthalmological society, 3-6 April 2025, India International Convention Centre – Yashobhoomi, Dwarka, New Delhi.

99. M Vanathi, 6th Winter IIRSI meeting, Amritsar, 1-2 February 2025

100. M Vanathi, 9th Biennial Meeting of Asia Cornea Society in conjunction with the 7th Biennial Meeting of Indonesian Society of Cataract andRefractive Surgery, Jakarta, Indonesia from 26-28 September 2024.

101. M Vanathi, 9th World Cornea Congress 2025, 20-22 March 2025

102. M Vanathi, Annual Meeting of American Academy of Ophthalmology 2024, 19-21 October 2024.

103. M Vanathi, Cataract surgery in post-transplant (PK/ALK/ EK) eyes, In Session - Cataract Surgery in Corneal Pathologies, Friday, 6 December 2024, 1045 -1215,

104. M Vanathi, Concerns in Management of Keratoconus, In Session - How have Keratoconus Management Aspects Changed with Current Evidence of Knowledge Levels Session Chair & Speaker, 16 August 2024, Time 15:15 – 15:17,

105. M Vanathi, Corneal Infections – Challenging cases, Expert Panel Discussant, 2 – 3.15 pm

106. M Vanathi, Differentials of keratoconjunctivitis scenarios, Session Unravelling the Puzzle of Corneal Infections! Co-chair, Course instructor & Speaker, 18 August 2024, Time 07:25 – 07:35,

107. M Vanathi, Discomfort - Dry Eye Symptoms, Meibomian Gland Dysfunction - After Cataract Surgery- What Next? (Duration - 6 Mins), What Next Situations in Cataract Surgery - It is Different Every Time, 04 April 2025, 08:00 - 09:30, Amaltas Hall - B101 B,

108. M Vanathi, Discussant& chair, Spotlight: Fuchs Dystrophy, Saturday, 7 December 2024,

109. M Vanathi, Discussant& chair, Symposium: Eye Banking, Sunday, 8 December 2024,

110. M Vanathi, Editorial Strategies for a Successful Journal**,** International Guild of Editors – Trends & Perspectives on Ophthalmic Publishing, 3 April 2025, 09:45-11:15 , Palash Hall-Grand Ball Room C, New Delhi

111. M Vanathi, Evaluation of Topical Posaconazole 1% therapy in refractory fungal keratitis**,** In Corneal Infection Session, 27 September 2024, 26-28 September 2024., Jakarta, Indonesia

112. M Vanathi, Evaluation of two leading Phakic IOLs in my practice (June 23, 2024), Innovations in Cataract & Refractive Surgery Meet 2024, 22-23 June 2024, New Delhi

113. M Vanathi, Eyecryl Phakic IOLs – Moderator - Discussant, IJO Refractive Webinar, 9 August, 7.30 – 9 pm, Online Webinar

114. M Vanathi, FLACS for Hard Cataracts, In - Session Femtolaser Assisted Surgery for Proficient Cataract Surgeons: a 'Burden' or a 'Value Add'(Chair, Co-instructor & Speaker), 16 August 2024, Time 13:40 – 13:50,

115. M Vanathi, Fungal Keratitis (10 min), Microbial keratitis Session, 27-29 June 2024, Grossetto, Italy

116. M Vanathi, Host corneal bed preparation: Femtosecond laser dissection and host tissue implantation concerns, outcome & results, Intrastromal keratoplasty - Know How's & more in intrastromal lenticule implantation for keratoconus, Friday, 6 December 2024, 1215 - 1345,

117. M Vanathi, How do I write an original article? - 8 Mins**,** Publish and Flourish - A Toolkit, 4-6 October 2024, New Delhi

118.M Vanathi, How to be a Good Thesis Candidate & How to be a Thesis Guide, EIZOC ORPI Webinar Series 14-30 July 2024 08:00 PM India, Online webinar

119.M Vanathi, Interaction on Requisites in Research, DOS IJO Session on Research Publications, 24 November 2024, 2:45 PM- 4:00 PM

120.M Vanathi, Intrastromal Keratoplasty - new intervention in Keratoconus, – in Session All India Ophthalmological Society - What's New in Ophthalmology, 16 August 2024, Time 1515-15.25, Vancouver, Canada,

121.M Vanathi, Is corneal biomechanics essential in refractive surgery screening?, Advancements & Innovations in ISCKRS Meet 2024, 2-4 August 2024, New Delhi

122.M Vanathi, KERACON 2024 the 12th Annual Conference of CSI, scheduled to be held in Clarks Convention Centre, Bengaluru from 6-8 December 2024

123.M Vanathi, Keratoconus and Treatment 45 min talk, NBEMS - National Live Webinar Series, 12 August 2024, 4.30-5.30 pm, Online Webinar

124.M Vanathi, Keratoplasty Plus: intrastromal Keratoplasty with Collagen (7 min), Innovations Session

125.M Vanathi, Keynote address – Ocular Surface Imaging, "TNOA Gurukulam 2.2" PG Refresher Program, 9 June 2024, Chennai

126.M Vanathi, Lenticule Addition Keratoplasty (Duration - 6 Mins), Power Capsule in Learning Corneal Surgical Basics - Vast Based Approach, 03 April 2025, 15:00-16:30, Kesar Hall 202,

127.M Vanathi, Lenticule implantation in keratoconus, Cataract & Refractive Surgery Subspecialty Day – Innovation Speaker & Expert Panel, 17 August 2024, Time 16:20 – 16:30,

128.M Vanathi, Logistics mandatory in IOL- Cataract studies related publishing, ISCKRS - IJO Research Methodology Session in ISCKRS Meet 2024

129.M Vanathi, My clinical experience with Eyecryl IOL (20 min), Lunch Symposium, Biotech, 28 September 2024

130.M Vanathi, Nuances in Lenticule Keratoplasty, Cornea & Distortions

131.M Vanathi, Nuances in Pediatric Keratoplasty (Duration - 10 Mins), Developmental Corneal Abnormalities: a Systematic Approach in Unraveling the Diagnosis, 06 April 2025, 08:00 - 09:30, Moulshree Hall 402,

132.M Vanathi, Ocular of Graft Versus Host Disease – Difficult Clinical Scenarios, Ocular Graft Versus Host Disease – Current Understanding & Future Promise, 04 April 2025, 15:00 - 16:30, Kesar Hall 202,

133.M Vanathi, Our Experience with Eyecryl Phakic IOL, New Age Phakic IOLS

134.M Vanathi, Pediatric Keratitis & Keratitis in Dry Eye &Ocualr Allergy (Duration - 12 Mins), Keratitis Kaleidoscope – Asian Perspective and Practice Pearls, 04 April 2025, 13:15 - 14:45, Champa Hall 304,

135.M Vanathi, Phakic IOL, INASCRS Phakic Wet lab

136.M Vanathi, Proof of the Pudding is in the Eating - How to Write a Publishable Manuscript (15 min), Research and Publications - An Eye Opener, A Special Symposium, iFocus Online, 9 September, 6-8 pm, Online Webinar

137.M Vanathi, Recurrent corneal erosions - management protocols (Duration - 15 Mins), Update - Corneal epithelium in health and disease, 6 April 2025, 10:30 - 11:45, Trade Room 5,

138.M Vanathi, Strategies in Therapeutic keratoplasty**,** In Instruction Course: Keratitis - Different Strokes: Lessons Learnt from the Indian Experience–21 March 2025, Session Chair & speaker, 20-24 March 2025, Washington DC, USA

139.M Vanathi, Talk on DALK in pediatric keratoconus – 15 min, Instructor: in Unique considerations in Pediatric Keratoconus, 19 October 2024, 9.45 am – 11.15 am, 19-21 October 2024, Chicago, USA

140.M Vanathi, The latest advances of Penetrating keratoplasty**,** In Session - Role of Penetrating Keratoplasty - Basic to Advanced, Friday, 6 December 2024, 9-10.30, Bangalore, Karnataka

141.M Vanathi, Tissue addition keratoplasty – where do we stand?, Spotlight: Keratoplasty: Focusing Exclusively on Recent and Future Trends, Sunday, 8 December 2024,

142.M Vanathi, Tissue addition keratoplasty in keratoconus, In Session - How have Keratoconus Management Aspects Changed with Current Evidence of Knowledge Levels Session Chair & Speaker, 16 August 2024, Time 15:15 – 15:17,

143.M Vanathi, Tissue addition keratoplasty**,** Cornea In Focus, 1-2 February 2025, Amritsar, Punjab

144.M Vanathi, Topical posaconazole in fungal keratitis, Corneal Infection: Dealing with Difficult Cases-IC17

145.M Vanathi, Toric Tantrums (Duration - 10 Mins), Current Concept - Biometric Blueprints for Brilliance: Mastering IOL Power Decisions, 05 April 2025, 08:00 - 09:15, Trade Room 2,

146.M Vanathi, Toric Tantrums, In Session Biometric Blueprints for Brilliance: Mastering IOL Power Decisions Chair, Co-instructor & Speaker, 18 August 2024, Time 07:15 – 08:15,

147.M Vanathi, Winter Conference of Delhi Ophthalmological Society 2024, which will be held on 23-24 November 2024 at Hotel Ashok, Chanakyapuri, New Delhi, India

148.M Vanathi, WOS Annual Conference 2024 which is being held from 4-6 October 2024 at Hotel Eros, New Delhi

149.Mahajan, Amita, Sima Das, Rachna Meel, Rolika Bansal, Kasturi Bhattacharjee, Devjyoti Tripathi, Nishant Verma et al., "Factors impacting abandonment in patients with newly diagnosed retinoblastoma: Analysis from INPHOG-RB-19-01 study." Pediatric Hematology Oncology Journal 9, no. 4 (2024): S12., 27th Annual Pediatric Hematology Oncology Conference (PHOCON 2024), 23-24 November 2024, Convention centre, Jammu

150.Manisha, Sen S, Kashyap S, Lomi N, Meel Rachna, Chawla Bhawna, Lata, Mithalesh, Emerging trends in Life Sciences, National conference Jamia, February 2025, New Delhi

151.Manisha, Sen S, Kashyap S, Lomi N, Meel Rachna, Dr. Bhawna Chawla, Dr. Lata, Dr. Mithalesh, Exploring the role of angiogenesis markers as prognostic indicators in retinoblastoma patients, IACR, January 2025, Kolkata

152.Manisha, Sen S, Kashyap S, Lomi N, Meel Rachna, Chawla Bhawna, Lata, Mithalesh, Role of Oxygen sensing markers in retinoblastoma: A study on HIF and PHD expression and Clinicopathological correlations, AIIMS research day, January 2025, AIIMS ND

153.ManishaSupriya, Lata Singh, MithaleshKr.Singh, Rachna Meel, Neiwete Lomi, SeemaSen, Seema Kashyap, Gene Expression Level of Prolyl Hydroxylase PHD1 and HIF-1α in Retinoblastoma Patients, ARVO-India, 28-29 September 2024, New Delhi

154.Meel R, Gupta N, Kashyap S, Pushker N, Singh M Jadon R, Chawla R, Anterior Segment Mass in a Young Patient - A Confusing Case Scenario, The Biennial Meeting of the International Society of Ocular Oncology, 2024, 3-7 December 2024 Goa, India., December 3-7, 2024, Goa, India.

155.Meel R, Kumar N, Pushker N, Bajaj MS, Kashyap S, Bakhshi S, Change in ease of surgery score after Neoadjuvant Chemotherapy for Eyelid Sebaceous Gland Carcino-ma, 17th conference of South Asian Academy of Ophthalmology, 21-23 September 2024, Terma Linca Resort, Thimphu

156.Meel R, Kumar N, Pushker N, Bajaj MS, Kashyap S, Bakhshi S., Change in ease of surgery score after Neoadjuvant Chemotherapy for Eyelid Sebaceous Gland Carcinoma, 17th South Asian Academy of ophthalmology conference, 21-23 September 2024, Bhutan

157.Meena S, Meel R, Lomi N., Comparison of Extrusion Rate of Silicone Versus PMMA (Mule's) Implant following Myoconjunctival Technique of Enucleation -A Randomised Control Trial., The 34th Annual Conference of the Oculoplastics Association of India, 27-29 September 2024, Hotel Clarks Amer Jaipur, India

158.Nair S, Kaur M, Titiyal J, Evaluation of Limbal Microstructure in Early Vernal Keratoconjunctivitis Patients Using SD-OCT, American Academy of Ophthalmology Annual Meeting, 18-21 October 2024, Chicago, USA

159.Nath Madhu, Das Sudipto, Dada Tanuj, Kumari S Senthil, Thirumurthy Velpandian, Dual agonism of FP and EP3 receptors by ricinoleic acid: Plausible therapeutic in glaucoma, 2024 European Association for Vision and Eye Research Congress, 3-5 November 2024, Valencia, Spain

160.Nikhil Kr, Singh Lata, Singh Mithalesh, Sen Seema, Kashyap Seema, N. Lomi, Dr. Rachna Meel, Prognostic significance of Hippo Pathway components and cell cycle kinases in uveal melanoma: A potential therapeutic Target., IACR, 16-18 January 2025, Kolkata

161.Nikhil Kr, Singh Lata, Singh Mithalesh, Sen Seema, Kashyap Seema, Lomi N, Prognostic implications of hippo pathway dysregulation and cell cycle kinases in uveal melanoma., AIIMS research day, 30 January 2025, AIIMS ND***5**

162.Nikhil Kr, Singh Lata, Singh Mithalesh, Sen Seema, Kashyap Seema, Lomi N, Therapeutic implication of targeting hippo pathway dysregulation and cell cycle kinasesinuveal melanoma., JamiaMiliaIslamia, 1 February 2025, New Delhi

163. Nikhil Kumar, Lata Singh, MithaleshSingh, Rachna Meel, Neiwete Lomi, SeemaSen, Seema Kashyap, Hippo Pathway Mediated dysregulation in Uveal melanoma: towards prognostic biomarkers and therapeutic targets, WOC 2024, 16-19 August 2024, Vancouver, Canada

164. Nikhil, Gupta V, Dhiman R, Phuljhele S, Saxena R., Assessment of reading speed in children with anisometropic amblyopia before and after occlusion therapy., 4th AIIMS research day, 29-30 January 2025, Delhi

165. Nishat Hussain Ahmed, Rathod Prachala, Satapthy Gita, Tandon Radhika, Namrata Sharma, Tushar Agarwal, Vanathi M, Rajesh Sinha, Noopur Gupta, Prafulla K Maharana, Manpreet Kaur, Jeewan S Titiyal, Mycotic Keratitis- Microbiological and Clinico- epidemiological Analysis of Six Years at a Tertiary Eyecare Centre, ISMM 2025, 22 February 2025, Chennai, Tamil Nadu

166. Nishat Hussain Ahmed, Singh JeewanTitiyal, Tandon Radhika, Sharma Namrata, Immaculata Xess, Rohan Chawla, Gagandeep Singh, Prachala Rathod, *Candida* as Ocular Pathogens- Species Distribution, Susceptibility Profile and Virulence Factors, ISMM 2025, 22 February 2025, Chennai, Tamil Nadu

167. Oral paper Co-author: Radhika Tandon, Abhijeet Beniwal, Sandip Kumar, Manumuraleekrishna, Noopur Gupta, Neiwete Lomi, M Vanathi, Study of Corneal Biomechanics in Patients Seeking Refractive Surgery.

168. Poster - Coauthor, Phakic IOL explant with Phacoemulsification, 29th ESCRS winter meeting, 28 February-2 March 2025, Athens, Greece

169. Poster Coauthor: Angeline C Rivkin, Ashlie Bernhisel, Clara C. Chan, Juan Carlos Grandin, Adriana C. Lotfi, M Vanathi, Karl C. Golnik, The Ophthalmology Surgical Competency Assessment Rubric (OSCAR) for Penetrating Keratoplasty

170. Pushker N, Raina H, Agrawal S, Meel R, Bajaj MS, Auricular skin-cartilage graft in eyelid deformity – Indications & Outcomes'. Conferred the BEST PAPER AWARD, South Asian Academy of Ophthalmology, 21-23 September 2024, Bhutan

171. Pushker N, Raina H, Agrawal S, Meel R., Auricular skin-cartilage graft in eyelid deformity – Indications & Outcomes., South Asian Academy of Ophthalmology Conference, September 2024, Bhutan1

172. Rafat Sahar, Sen Seema, KunzangChosdol, NeiwetteLomi, BhavnaChawla, Seema Kashyap, Stearoyl-coenzyme a Desaturase 1 (scd1) expression in choroidal melanoma, ARVO-India, 28-29 September 2024, New Delhi

173. Rao SB, Bajaj MS, Pushker N, Meel R, Evaluation of Topical timolol in the treatment of periocular pyogenic granuloma., World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada

174. Roy Tapas Kumar, Singh S Baskar, Titiyal Jeewan S, Saxena Rohit, Halder Nabanita, Velpandian Thirumurthy, Exploring the role of peptide transporters to understand the ocular disposition of their substrates., 4th Annual Research Day, 29-30 January 2024, AIIMS, New Delhi

175. Roy Tapas Kumar, Jeewan S. Titiyal, Saxena Rohit, Halder Nabanita, Velpandian Thirumurthy, Exploration of peptide transporters as newer avenues in ocular therapeutics: A Pharmacokinetic approach., 5th Science Conclave cum National Biomedical Research Competition, 1-3 December 2024, AIIMS, New Delhi

176. S. Chandra Devi, Malik Anu, Maharana Prafulla Kumar, Sharma Namrata, [FP806} – Corneal Tomography In Determining Outcomes of Descemet Membrane Endothelial Keratoplasty In Fecd, The 3rd AIOS Mid Term Conference, 25-27 October 2024), Dehradun

177. S.Sharma, L.Singh, T.C Nag, S Kashyap, S. Sen, N. Sharma, Mitochondrial DNA variations in Keratoconus: Understanding Morphological changes, Oxidative Stress, And Prognostic Implications., ESCRS 2024, 6-9 September 2024, Barcelona

178. Saigal karnika, Sharma Namrata, Fungal endophthalmitis: cause to outcome, ISHAM 2024, 1-3 August 2024, Bangkok, thailand

179. Saigal Karnika, Fungal endopthalmitis: cause to outcome-, ISHAM 2024, 01 August 2024, Thailand

180. Saigal karnika, Malik Anu2, Ananya Parampalli Ravindra 2, Gagandeep Singh3, Nishat Hussain Ahmed1, Namrata Sharma2, M. Vanathi2, Radhika Tandon2, Immaculata Xess3, JS Titiyal2, Emerging ocular dematiaceous fungi: Clinicoepidemiological study: At a tertiary eye care centre North India, ISHAM 2024, 1-3 August 2024, Bangkok, Thailand

181. Saigal Karnika, Ocular Nocardia Infections: Case Study, ARVO 2024, 28 September 2024, New Delhi

182. Saxena R, Gupta V, Dhiman R, Phuljhele S, Sharma N., Tapering versus Non-tapering of Atropine 0.01% eye drops during washout phase: A Randomized clinical trial., 50th Annual meeting of AAPOS, 5-9 March 2025, Salt Lake City, USA.

183. Seema Kashyap, NeelamPushker, Rachna Meel, SaurabhiKhurana, BhupendraYadav, SeemaSen, Clinicopathological correlation of metastatic orbital lesion, SAO 2024, 21-23 September 2024, Thimphu, Bhutan

184. Sen Seema, Chauhan Sheetal, Pushker Neelam, Kashyap Seema, Bakhshi Sameer, CTLA4 predicts poor survival in Ocular Lymphomas, E poster, ISOO 2024, 3-7 December 2024, GOA

185. Sen Seema, Jayaraj Perumal, Kant Nimita, Ray Debjeet, Goel Kevika, Shivangi, Analysis of invasive properties of Eyelid Sebaceous gland carcinoma xenograft using chick chorioallantoic membrane assay, Eposter ISOO Goa 2024, 3-7 December 2024, GOA

186. Sen Seema, Rafat Sahar, Kunzang Chosdol, Kashyap Seema, Pushker Neelam, Lipid metabolism Reprogramming in Eyelid Sebaceous Gland Carcinoma, USCAP-2025, 22-27 March 2025, Boston, USA

187. Sen Seema, Rafat Sahar, Chosdol Kunzang, Pushker Neelam, Kashyap Seema, Expression of Acyl-CoA Cholesterol Acyltransferase-1 (ACAT-1) in eyelid sebaceous gland carcinoma, ARVO-India, 28-29 September 2024, New Delhi

188. Sen Seema, Venkatesh Pradeep, Chawla Rohan, Kashyap Seema, Vitreous/aqueous cytology- a valuable diagnostic tool, CYTOCON 2024, 15-18 November 2024, Jodhpur

189. Shakha, Chandra P. Pal Raj et al., Challenges after bilateral iatrogenic cataract development following Anit-VEGF injections in Retinopathy of Prematurity, Retina Summit 2024 & 8th IROP annual meeting, 11-13 July 2024, Chennai

190. Shakha, Chandra P. Pal Raj et al.s, Challenges after bilateral iatrogenic cataract development following Anit-VEGF injections in Retinopathy of Prematurity, Retina Summit 2024 & 8th IROP annual meeting, 11-13 July 2024, Chennai

191. Sharma Namrata, Bari Aafreen, Bansal Vidit, Dada Tanuj, Titiyal Jeewan Singh, Khokhar S, Maharana Prafulla, Dewang Angmo, Paper Session Comparison of Intrastromal Keratoplasty using Biosynthetic Corneas and Human Donor Corneas in Advanced Keratoconus**,** The IX World Cornea Congress IX 2025, 20-23 March 2025, Washington DC Downtown, USA

192. Sharma Anmol K, Dada Tanuj, Kumari S Senthil, Thirumurthy Velpandian, Nath Madhu, Dual agonism of FP and EP3 receptors by ricinoleic acid: Plausible therapeutic in glaucoma, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr R P centre, AIIMS, New Delhi

193. Sharma Preeti, Sharma Neelima, Baitha Dinesh Kr, Rawat Vandana, Sen Seema, Kashyap Seema, Diagnostic utility of impression cytology in Ocular surface neoplasia, ICMS-2024, 16-17 November 2024, JLN, AIIMS, New Delhi*4

194. Sharma T, Vashish P, Dhiman R, Phuljhele S, Saxena R., Inferior Rectus Transposition: An Alternate to SRT., 50th Annual meeting of AAPOS, 5-9 March 2025, Salt Lake City, USA.

195. Shraddha S, Bajaj MS, Pushker N, Meel R, Evaluation of Efficacy and Safety of Oxymetazoline 0.1% Ophthalmic solution in Acquired Ptosis., World Ophthalmology Congress, 16-19 August 2024, Vancouver, Canada

196. Singh Lata, Lomi Neiwete, Sen Seema, Kashyap Seema, Expression of Apoptosis and Ferroptosis genes in Retinoblastoma patients, SAO 2024, 21-23 September 2024, Thimphu, Bhutan

197. Singh Nihal, Nath Madhu, Halder Nabanita, Thirumurthy Velpandian, Formulation and Stability Study of Extemporaneous 0.5-Percent Anidulafungin ophthalmic preparation, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr R P centre, AIIMS, New Delhi

198. Singh Nihal, Sharma Hanuman Prasad, Dada Tanuj, Saxena Rohit, Gulati Sheffali, Halder Nabanita, et al, Causal Link of Biocides Plasma Levels with Emerging Incidences of Neurodegenerative Disorders at, International Pharmacology Conference and 54th Annual Conference of Indian Pharmacology Society, 28-30 November 2024, AIIMS, New Delhi

199. Singh Nihal, Sharma Hanuman Prasad, Dada Tanuj, Saxena Rohit, Gulati Sheffali, Halder Nabanita, et al, Correlation of Biocides Plasma Levels with Emerging Incidences of Neurodegenerative Disorders, 5th Science Conclave cum National Biomedical Research Competition, 1-3 December 2024, AIIMS, New Delhi

200. Singh Yashdeep, Saxena R, Kaur M, Assessment of Retinal Structural Alterations in Ametropic Amblyopia Cases: A Comprehensive Study, American Academy of Ophthalmology Annual Meeting, 18-21 October 2024, Chicago, USA

201. Somy K. Chandra P. Pal R, et al., Unilateral Rhegmatogenous retinal detachment with bilateral temporal subluxated lens and retinopathy of prematurity., Retina Summit 2024 & 8th IROP annual meeting, 11-13 July 2024, Chennai

202. Somy K. Chandra P. Pal R, et al., Unilateral Rhegmatogenous retinal detachment with bilateral temporal subluxated lens and retinopathy of prematurity., Retina Summit 2024 & 8th IROP annual meeting, 11-13 July 2024, Chennai

203. Supriya Manisha, Singh Lata, Singh Mithalesh Kr, Rachna Meel, Neiwete Lomi, SeemaSen, Seema Kashyap, Molecular insights into oxygen sensing signalling in primary and chemoreducedRb patients, ESMO-Asia, 6-8 December 2024, Singapore

204. Tandon R, Study of Corneal Biomechanics in Patients Seeking Refractive Surgery

205. Thakur H, Gupta V, Velpandian T, Titiyal JS, Sharma N, Saxena R., Efficacy of Pilocarpine 1.25% for management of uncorrected presbyopia, 4th AIIMS research day, 29-30 January 2025, Delhi

206. Thakur H, Meel R, Pushker N, Kashyap S, Bakhshi S., Atypical presentation of an unusual lacrimal gland tumor., The 34th Annual Conference of the Oculoplastics Association of India, 27-29 September 2024, Hotel Clarks Amer Jaipur, India

207. Titiyal JS, Kaur M, Nair S, Correlation of Vault Changes With Dysfunctional Lens Index and Nuclear Sclerosis After Presbyopic Phakic IOL Implantation, American Academy of Ophthalmology Annual Meeting, 18-21 October 2024, Chicago, USA

208. Tuli A, Nath M, Halder N, Velpandian T, Association between plasma bisphenol levels and diabetic retinopathy, 30th Annual Meeting of Indian Eye Research Group-India Chapter, 27-29 September 2024, Dr R P centre, AIIMS, New Delhi

209. Tuli A, Singh N, Halder N, Velpandian T., Association of phthalate metabolites with insulin resistance and genetic alterations in PCOS., 5th Science Conclave cum National Biomedical Research Competition, 1-3 December 2024, AIIMS, New Delhi

210. Tuli A, Singh N, Halder N, Velpandian, Plasma phthalate metabolite concentration as a contributor to insulin resistance in PCOS, International Pharmacology Conference and 54th annual conference of Indian Pharmacology Society, 28-30 November 2024, AIIMS, New Delhi

211. Tuli A, Verma BK, Halder N, Singh SB, Velpandian T., Phthalate exposure causes insulin resistance in hepatocytes., 4th Annual Research Day, 29-30 January 2024, AIIMS, New Delhi

212. Vanathi M, Nuances in Pediatric Keratoplasty (Duration - 10 Mins), Developmental Corneal Abnormalities: a Systematic Approach in Unraveling the Diagnosis

213. Vanathi M, 39th World Ophthalmology Congress, (WOC2024) Vancouver, Canada, 16-19 August 2024.

214. Vanathi M, 7 sessions – Research & Publications, IJO- YOSI Livewire, August 2024-February 2025, Online webinar

215. Vanathi M, 9th Biennial Meeting of Asia Cornea Society in conjunction with the 7th Biennial Meeting of Indonesian Society of Cataract and Refractive Surgery, Jakarta, Indonesia from 26-28 September 2024.

216. Vanathi M, Cataract surgery in post-transplant (PK/ALK/ EK) eyes, In Session - Cataract Surgery in Corneal Pathologies, Friday, 6 December 2024, 1045 -1215,

217. Vanathi M, Concerns in Management of Keratoconus, In Session - How have Keratoconus Management Aspects Changed with Current Evidence of Knowledge Levels Session Chair & Speaker, 16 August 2024, Time 15:15 – 15:17,

218. Vanathi M, Cornea Session, Session I, Ophthalmology Summit, 30 November 2024, Bangalore

219. Vanathi M, Differentials of keratoconjunctivitis scenarios, Session Unravelling the Puzzle of Corneal Infections! Co-chair, Course instructor & Speaker, 18 August 2024, Time 07:25 – 07:35,

220. Vanathi M, Discomfort - Dry Eye Symptoms, Meibomian Gland Dysfunction - After Cataract Surgery- What Next ? (Duration - 6 Mins), What Next Situations in Cataract Surgery - It is Different Every Time

221. Vanathi M, Discussant & chair, Spotlight: Fuchs Dystrophy, Saturday, 7 December 2024,

222. Vanathi M, Discussant & chair, Symposium: Eye Banking, Sunday, 8 December 2024,

223. Vanathi M, Dr Swathi MS, Dr Noopur Gupta, Dr N Lomi, Dr Radhika Tandon, Free Paper presentation – oral Evaluation of Intrastromal Lamellar Keratoplasty with Collagen Cross-linking in Keratoconus, 2024 Ascrs Annual Meeting, 5-8 April 2024, 05 April 2024, Boston USA,

224. Vanathi M, Editorial Strategies for a Successful Journal, International Guild of Editors – Trends & Perspectives on Ophthalmic Publishing, Convention Centre – Yashobhoomi, Dwarka, New Delhi., Delhi

225. Vanathi M, Editorial Strategies for a Successful Journal, International Guild of Editors – Trends & Perspectives on Ophthalmic Publishing, 40th Asia Pacific Academy of Ophthalmology Congress in Conjunction with the 83rd Annual Conference of the All Indian Ophthalmological society, 3-6 April 2025, India Internationa, Delhi

226. Vanathi M, Eyecryl in special situations, IJO- Refractive Webinar, 9 August 2024, Online Webinar

227. Vanathi M, FLACS for Hard Cataracts, In - Session Femtolaser Assisted Surgery for Proficient Cataract Surgeons: a 'Burden' or a 'Value Add' (Chair, Co-instructor & Speaker), 16 August 2024, Time 13:40 – 13:50,

228. Vanathi M, Host corneal bed preparation: Femtosecond laser dissection and host tissue implantation concerns, outcome & results, Intrastromal keratoplasty - Know How's & more in intrastromal lenticule implantation for keratoconus, Friday, 6 December 2024, 1215 - 1345,

229. Vanathi M, Interaction on Requisites in Research, DOS IJO Session on Research Publications, Winter DOS, 23-24 November 2024, Delhi

230. Vanathi M, Is corneal biomechanics essential in refractive surgery screening?, Advancements & Innovations in ISCKRS Meet 2024, 2-4 August 2024, New Delhi

231. Vanathi M, KERACON 2024 the 12th Annual Conference of CSI, scheduled to be held in Clarks Convention Centre, Bengaluru from 6-8 December 2024

232. Vanathi M, Keratoconus and Treatment 45 min talk, NBEMS - National Live Webinar Series, 12 August 2024, 4.30-5.30 pm, Online Webinar

233. Vanathi M, Keratoconus and Treatment 45 min talk, NBEMS - National Live Webinar Series, 12 August 2024, 4.30 - 5.30 pm, Online Webinar

234. Vanathi M, Lenticule Addition Keratoplasty (Duration - 6 Mins), Power Capsule in Learning Corneal Surgical Basics - Vast Based Approach

235. Vanathi M, Lenticule implantation in keratoconus, Cataract & Refractive Surgery Subspecialty Day – Innovation Speaker & Expert Panel, 17 August 2024, Time 16:20 – 16:30,

236. Vanathi M, Logistics mandatory in IOL- Cataract studies related publishing, ISCKRS - IJO Research Methodology Session in ISCKRS Meet 2024

237. Vanathi M, Logistics mandatory in IOL- Cataract studies related publishing, ISCKRS - IJO Research Methodology Session in ISCKRS Meet 2024

238. Vanathi M, Microbial Keratitis, 22nd Annual Congress of International Society of Cornea, Stem cells and Ocular Surface (SICSSO 2024), 27-29 June 2024, Grossetto, Italy

239. Vanathi M, My clinical experience with Eyecryl IOL (20 min), Lunch Symposium, Biotech, 28 September 2024, 26-28 September 2024., Jakarta, Indonesia

240. Vanathi M, Nuances in Lenticule Keratoplasty, Cornea & Distortions

241. Vanathi M, Ocular of Graft Versus Host Disease – Difficult Clinical Scenarios, Ocular Graft Versus Host Disease – Current Understanding & Future Promise

242. Vanathi M, Pediatric Keratitis & Keratitis in Dry Eye &Ocualr Allergy (Duration - 12 Mins), Keratitis Kaleidoscope – Asian Perspective and Practice Pearls

243. Vanathi M, Phakic IOL, INASCRS Phakic Wet lab

244. Vanathi M, Recurrent corneal erosions - management protocols (Duration - 15 Mins), Update - Corneal epithelium in health and disease

245. Vanathi M, Research & Publications, EIZOC ORPI Webinar Series 14

246. Vanathi M, Swathi MS, Gupta Noopur, N Lomi, Tandon Radhika, Free Paper presentation Evaluation of Intrastromal Lamellar Keratoplasty with Collagen Cross-linking in Keratoconus., 2024 ASCRS Annual Meeting Boston USA, 5-8 April 2024, 1 April 2024, Coimbatore

247. Vanathi M, The latest advances of Penetrating keratoplasty, In Session - Role of Penetrating Keratoplasty - Basic to Advanced, Friday, 6 December 2024, 9-10.30, Bangalore

248. Vanathi M, Tissue addition keratoplasty – where do we stand?, Spotlight: Keratoplasty: Focusing Exclusively on Recent and Future Trends, Sunday, 8 December 2024,

249. Vanathi M, Tissue addition keratoplasty in keratoconus, In Session - How have Keratoconus Management Aspects Changed with Current Evidence of Knowledge Levels Session Chair & Speaker, 16 August 2024, Time 15:15 – 15:17,

250. Vanathi M, Toric Tantrums (Duration - 10 Mins), Current Concept - Biometric Blueprints for Brilliance: Mastering IOL Power Decisions

251. Vanathi M, Toric Tantrums, In Session Biometric Blueprints for Brilliance: Mastering IOL Power Decisions Chair, Co-instructor & Speaker, 18 August 2024, Time 07:15 – 08:15,

252. VanathiM, Intrastromal Keratoplasty - new intervention in Keratoconus, – in Session All India Ophthalmological Society - What's New in Ophthalmology, 16 August 2024, Time 1515 -15.25, Vancouver, Canada

253. Vashist P, Senjam SS, Gupta V, Effective refractive error coverage in district Gurgaon, South Asian Association of Ophthalmology (SAO) Conference, 21-23 September 2024, Thimphu Bhutan

254. Vashist P, SS Senjam, Gupta V, Poster Pod – Epidemiology/ enhancing primary eye care data management using free and open-source Open Data Kit platform, World Ophthalmic Congress, 17-20 August 2024, Vancouver Canada

255. Vashist P, SS Senjam, V Gupta, Use of Artificial Intelligence for identification of Corneal Opacity and Corneal Blindness, World Ophthalmic Congress, 16-20 August 2024, Vancouver Canada

256. Venugopal Renu, Sharma Shivam, Singh Lata, Sen Seema, Kashyap Seema, Velpandian Thirumurthy, Sharma Namrata, E-Poster Molecular correlation of topical low-dose heparin adjunct therapy in ocular Stevens-Johnson Syndrome Eyes, The IX World Cornea Congress IX 2025, 20-23 March 2025, Washington DC Downtown, USA

257. Venugopal Renu, Sharma Namrata, Kashyap Seema, Sen Seema, Effect of topical low dose heparin on Neutrophil Extracelluar Traps (NETs) associated gene expression in Steven Johnson Syndrome, SAO 2024, 21-23 September 2024, Thimphu, Bhutan*2

258. Viswanath S, Chandra P et al, To compare the outcomes of laser versus combined laser and ranibizumab in threshold retinopathy of prematurity, 24th Euretina Congress, Barcelona, 19-22 September 2024, Barcelona

Oral/poster presentations over last three years:

2022–2023	2023–2024	2024–2025
165	188	259

RESEARCH

FUNDED

Ongoing

1. 18F-FDG Radiomics and Radiogenomics profiling in Retinoblastoma, PI-Neiwete Lomi, Intramural AIIMS Interdisciplinary Collaborative Research Project, 2 Years, 2020-2022, Rs 10 Lakhs
2. 3-D binocular motor control in strabismus before and after surgery, Rohit Saxena, CEFIPRA, 4 years, 2021-2025, Rs 50 lakhs
3. A Double Masked, Parallel Group, Randomised, Multicentre, Clinical Study to Compare Efficacy and Safety of Intas Ranibizumab with Lucentis® in Patients with Neovascular (Wet) Age-Related Macular Degeneration (AMD, Dr. Vinod Kumar, Lembda, 3 Years, 2023-2026, Rs 15 Lakhs
4. A double masked, parallel group, Randomized, Multicenter, Clinical study to compare Efficacy and safety of Intas Ranibuzumab with Lucentis in patient with Neovascular (wet) Age-related Macular degeneration (AMD), Dr Shorya Vardhan Azad, Lembda pharmaceuticals, 2023-ongoing, Rs 10 Lakhs
5. A metagenomic approach to evaluate the human ocular microbiome in patients with dry eye disease and limbal stem cell deficiency, Noopur Gupta, ICMR, 2 Years, 2023-2025, Rs 46.945 Lakhs
6. A multi-centric, retrospective, real world clinical follow-up study to demonstrate the efficacy of Essilor stellest Spectacle Lenses in slowing down myopia progression in children and adolescents in India, Rohit Saxena, Proclin Research private limited, 1 Year, 2024-2025, Rs 5 Lakhs

7. A Phase 1/2a Multi-Center, Dose-Escalation, Dose-Expansion Study to Evaluate the Safety and Efficacy of Eyecyte-RPE™ when administered as a Single-dose Subretinal Injection in Subjects with Geographic Atrophy (GA) Secondary to Dry Age-related Macular Degeneration (d-AMD)., Dr. Rajpal, Eyestem Pvt Ltd, 3 Years, 2023-2026, Rs 3.5 Lakh per patient
8. A Phase 3, Multicenter, Double-Masked, Randomized, Parallel-Group Study to Evaluate the Efficacy and Safety of Intravitreal OTX-TKI (axitinib implant) in Subjects with Neovascular Age-Related Macular Degeneration., Dr Shorya Vardhan Azad, Syneos, 2025-ongoing, Rs 7 lakhs
9. A Phase Iv, Multicenter, Open-Label, Single-Arm Study In Patients With Neovascular Age-Related Macular Degeneration Or Diabetic Macular Edema To Evaluate The Safety And Effectiveness Of The Faricimab Intravitreal Injection In India (Vitreal Study), Dr Shorya Vardhan Azad, Roche, 2024-ongoing, Rs 1 lakhs
10. A Phase l/2a Multi-Center, Dose-Escalation Study to Evaluate the Safety and Efficacy of Eyecyte-RPETM when administered as a Single-dose Subretinal injection in Subjects with Geographic Atrophy (GA) Secondary to Dry Age-related Macular Degeneration (d-AMD), Dr Shorya Vardhan Azad, Eyestem, 2024-ongoing, Rs 8 lakhs
11. A PhaseIV Prospective, Randomized, Open-labelled, Blinded endpoint (PROBE), Multi-centric, Parallel Group, Non-inferiority Study to compare the Efficacy and Safety of GBL1204 with Ranibizumab in Patients with Wet Age-Related Macular Degeneration (PROMISES study), Dr Shorya Vardhan Azad, Clinical research netwrok, 2024-ongoing, Rs 8 Lakhs
12. A Prospective Collaborative Study for Newly Diagnosed Patients with Retinoblastoma in India Extramural project, Rachna Meel, Extramural, NGO, Cankids, 5 Years, 2021-2026, Rs 25.80 Lakhs
13. A prospective, multi, open label, single-arm, phase III study to evaluate the safety of GBL1204 in patients with neovacular age-related macular degeneration., Dr. Vinod Kumar, Clinical Research Pvt. Ltd., 1 Year, 2025-2026,
14. A prospective, multi-centre, open-label, phase IV study to evaluate the safety and effectiveness of intravitreal injections (IVI) of Brolucizumab in patients with Diabetic Macular Edema (DME), Dr Shorya Vardhan Azad, Iqvia, 2024-ongoing, Rs 1 lakh
15. A prospective, randomized controlled, post-marketing clinical study to assess clinical performance and safety of EYECRYL Sert intraocular lens (IOL) versus RAYNER EMV/HOYA Impress IOL in patients with planned age-related cataract surgery, Professor Namrata Sharma, BioTech Vision Care Pvt. Ltd., 16 Months, 2024-2025, Rs 14.33 Lakhs
16. A Single Arm, Open Label, Multicentre Clinical Investigation to Evaluate the Clinical Safety and Performance of the CorNeat Keratoprosthesis, for Treatment of Corneal Blindness, Professor Namrata Sharma, CorNeat Vision, 2 Years, 2024-2026, Rs 22 Lakhs
17. A study for newly diagnosed patients with retinoblastoma in India, PI- Rachna Meel CO-PI Neiwete Lomi, CANKIDS, 3 Years, 2021-2023, Rs 35 Lakhs
18. A Sustainable Model for Comprehensive Outreach Eye Care Service for underserved population in Delhi Slums and resettlement colonies, Professor Praveen Vashist, Deepalaya, 7 years, 2018-2025, Rs 125 Lakhs approx.
19. A Sustainable Model for Comprehensive Outreach Eye Care Service in NCR", Professor Praveen Vashist, Deepalaya, 8 years, 2017-2025, Rs 77 Lakhs approx.
20. A Sustainable Model for Comprehensive Outreach Eye Care Service in NCR, Professor Praveen Vashist, Hero Motocorp, 5 years, 2018-2025, Rs 25 Lakhs approx.
21. Aberrant Lipid metabolism as molecular targets in aggressive ocular malignancies, PI- Seema Sen CO-PI Neiwete Lomi, ICMR
22. Aberrant Lipid Metabolism Pathways as Novel Molecular Targets in Aggressive Ocular Malignancies, Dr.SeemaSen, ICMR, 3 years, 2023-2026, Rs 30 Lakhs
23. An Open Label, Prospective, Multi Center, Non-Randomised, Non-Comparative, Single Arm Observational Clinical Investigation to Evaluate the Safety and Efficacy of Supra Phob Regen Trifocal IOL implanted Bilaterally in Adults undergoing Cataract Surgery., Prof Rajesh Sinha, Appasamy Ocular Devices Pvt. Ltd., 2 Years, March 2025-February 2027, Rs 9.99 Lakhs
24. An Operational Research on Developing Disability Inclusive Eye Health Program in India, Dr. Suraj Singh Senjam/Professor Praveen Vashist, Christoffel Blindenmission(CBM), 3 years, 2021-2024, Rs 33 Lakhs approx.

25. Assessment of functional vision and role of therapy in children with Cortical visual impairment (CVI) and to evaluate the factors those may determine the outcome, Swati Phuljhele, ICMR, 1 Year, 2025-2026, Rs 38.13 Lakhs
26. Assessment of magnitude, progression and effective refractive error coverage among school going children, Rohit Saxena, Onesight Foundation, 3 Years, 2025-2027, Rs 40 Lakhs
27. Assessment of post COVID symptoms and pre-existing health Impairments in individuals aged 18 and older who have recovered from COVID-19, PI- Suraj Senjam CO –PI Neiwete Lomi, ICMR, 3 years, 2021-2024, Approx Rs 100 Lakhs
28. Assessment of unmet needs and access to assistive technologies among the general population through the digital rATA tool: Cross-Sectional Survey in India, Dr. Senjam Suraj Singh, ICMR, 2 years, 2023-2025, Rs 40 Lakhs approx.
29. Assessment of Visual Outcomes and Patient Satisfaction Following Bilateral Implantation of a Monofocal IOL with Enhanced Intermediate Function (TECNIS Eyhance IOL, Model ICB00) in Patients with Posterior Segment Pathologies., Sridevi Nair, Johson & Johnson, 1.5 Years, 2024-2025, Rs 29 Lakhs
30. Assessment of visual performance of a new panfocal intraocular lens for visual quality and safety (Naturo, Caregroup SS Pvt Ltd), Professor Namrata Sharma, Caregroup SS, 6 Months, 2023-2024, Rs 8 Lakhs
31. Cell-free DNA as a potential molecular marker for retinoblastoma: diagnostic and therapeutic approach, Professor Jasbir Kaur, ICMR, 3 years, 2022-2025, Rs 68.14 Lakhs
32. Clinical relevance of Ferroptosis: A New Emerging Therapeutic Approach for Retinoblastoma, PI- Lata Singh CO-PI Neiwete Lomi, AIIMS Early Career Intramural Research Project, 2 years, 2021-2022, Rs 10 Lakhs
33. Clinico-pathological significance of tumor biomarkers in serum, aqueous humor and tumor tissue of intraocular retinoblastoma patients, Dr.Seema Kashyap, IRG, 2 years, 2024-2026, Rs 10 Lakh
34. Clinicopathological significance of tumor biomarkers in serum, aqueous humor and tumor tissue of intraocular retinoblastoma patients, PI- Rachna Seth CO- PI Neiwete Lomi, Intramural AIIMS Interdisciplinary Collaborative Research Project, 2 years, 2021-2022, Rs 10 Lakhs
35. Comparative Evaluation of Topical 0.01% Hypochlorous Acid vs standard therapy In Fungal Keratitis: A Prospective Randomized Controlled Clinical Trial., Professor Namrata Sharma, Faith innovations, 1 Year, 2024-2025, Rs 6 Lakhs
36. Comparison of Isopure Premium Monofocal IOL with Tecnis Enhanced Monofocal IOL, Professor Namrata Sharma, AV meditech Pvt Ltd, 10 Months, 2024-2025
37. Comparison of VR-display Dichoptics Therapy Vs Patching in Anisometropic amblyopia- prospective randomized control interventional study, Rebika, Cognihab, 2 Years, 2023-2025, Rs 9.25 Lakhs
38. Comprehensive Primary Eye Care Services in Rural Areas of Delhi, Professor Praveen Vashist, Divya Jyoti Jagrati Sansthan, 5 years, 2022-2027, Rs 50 Lakhs approx.
39. Correlation of Neuroadaptive Changes on Functional MRI with Clinical Stereoacuity and Visual Quality after Bilateral Implantation of New-Generation Multifocal Intraocular Lenses., Manpreet Kaur, Interdepartmental-AIIMS, 2 Years, 2020-2021, Rs 10 Lakhs
40. Correlation of Tear Inflammatory Mediators and Serum Autoantibodies in Patients with Systemic Autoimmune Disorders. 2020-2021., Jeewan S Titiyal/Manpreet Kaur, Interdepartmental- AIIMS, 2 Years, 2020-2021, 2025, Rs 10 Lakhs
41. Dematiaceous fungi cause to outcome in ocular diseases-, Dr. Karnika Saigal, Research section, AIIMS, New Delhi, 1 year, 2024-2025, Rs 5 Lakhs
42. Developing CRISPR-Cas based molecular assay for diagnosis of HSV Keratitis, Dr. Karnika Saigal, -AIIMS TSHTI collaborative, 2 years, 2024-2026, Rs 10 Lakhs
43. Developing quality control parameters and dispensing M.K. Media for corneal Transplant preservation for Indian Eye banks under ministry of health, Dr. T Velpandian, MHFW, Govt of India, 14 Years, 2009-2026, Rs 129 Lakhs
44. Diagnostic utility of aqueous humor as a liquid biopsy for uveal melanoma, PI- Neiwete Lomi, AIIMS Early Career Intramural Research Project, 2 Years
45. Differential, Molecular characterization & translation application of culture expanded human corneal endothelial cells, Professor Namrata Sharma, ICMR, 3 Years, 2023-2026, Rs 50 Lakhs

46. Effect of yoga based Intervention in Intra Ocular Pressure Quality of Life, Inflammatory Markers and Expression Profile in Glaucoma Patients: A Randomized Controlled Trial, Professor Tanuj Dada, ICMR, 2 Years, 2019-2023, Rs 5.37 Lakhs
47. Efficacy and Safety of Oral Standardized Maqui Berry Extract in Dry Eye Patients- A Randomized Controlled Trial., Sridevi Nair, Lavue Pharmaceuticals, 1 Year, 2024-2025, Rs 5 Lakhs
48. Elucidating the role of environmentally exposed organochlorine pesticides in the pathogenesis of diabetic retinopathy, Professor Jasbir Kaur, DHR, 3 years, 2023-2026, Rs 73.50 Lakhs
49. Empowering Healthcare National Programs with Artificial Intelligence-Phase I., Professor Radhika Tandon, Ministry of Education, 1 Year, 2024-2025, -
50. Epidemiologic and Genetic study of Anterior Segment Developmental Anomalies with primary infantile corneal opacification in Asian Indian Population", Dr M Vanathi, DHR, 3 Years, 2024-2027, Rs 51.91 Lakhs
51. Establishing the role of Th17/Treg cell axis in pathophysiology of Uveitis, Dr Rohan Chawla, AIIMS – Intramural, 1 Year, 2021-2022, Rs 2 Lakhs
52. Evaluate the effect of Dexamethasone vs prednisolone on ocular toxicity induced by systemic cytarabine arabinoside (ARA-C) in AML patients, Dewang Angmo, Collaborative, AIIMS, Intramural, 2 Years, April 2023-April 2025, Rs 20 Lakhs for 2 years
53. Evaluating tear proteins as biomarkers for progressive childhood myopia (A-IGIB-2), Rohit Saxena, AIIMS-IGIB, 2 Years, 2024-2026, Rs 20 Lakhs
54. Evaluation of visual, refractive outcome and changes in ocular parameters after Eyecryl phakic IOL implantation in patients with moderate to high myopia and astigmatism: A prospective comparative study with EVO/EVO+ Visian implantable lenses., Dr M Vanathi, Investigator initiated trial, 1 Year, 2024-2025, Rs 11.42 Lakhs
55. Exploring the interplay of the sex steroid hormone intracrinology with the sphingolipid metabolism in the pathogenesis of vernal keratoconjunctivitis, Dr. T Velpandian, ICMR, 2 Years, 2023-2025, Rs 18.77 Lakhs
56. Femtosecond Laser-Assisted Large Diameter Corneal Intrastromal Lenticule implantation with collagen cross linking in Advanced Keratoconus, Prof Rajesh Sinha, ICMR, 3 Years, 2024-2026, Rs 25 Lakhs
57. Gene regulation of Hippo Signaling pathway during cell cycle progression in Uveal Melanoma, Seema Kashyap, ICMR, 3 years, 2023-2026, Rs 30 Lakhs
58. Genetic profiling and classification of Childhood and early onset glaucoma, Dr.Viney Gupta, DHR, 3 Years, 2023-2026, Rs 130 Lakhs
59. Identification of microRNA signatures for retinal neovascularization in retinopathy of prematurity using bioinformatics and experimental approach, Professor Jasbir Kaur, ICMR, 3 years, 2022-2025, Rs 48.77 Lakhs
60. Identify etiological agents causing microbial keratitis in hospital based Indian setting -Dr. Karnika Saigal, AIIMS- CSIR collaborative project, 2 years, 2024-2026, Rs 5 Lakhs
61. Immune checkpoint regulators and Immunosuppressive Tumor Microenvironment in Ocular Lymphomas: Novel prognostic Markers and Therapeutic Targets", Dr.Seema Sen, ICMR, 3 years, 2021-2025, Rs 36 Lakhs
62. Impact of Vectored Thermal Pulsation Treatment on Tear Film Lipid Profile & Inflammatory Mediators in Meibomian Gland Dysfunction., Manpreet Kaur, Intramural AIIMS, 2 years, 2022-2025, Rs 5 lakhs
63. Indigenous digital visual acuity test for pre-verbal children, Rohit Saxena, AIIMS-IIT, 2 Years, 2024-2025, Rs 20 Lakhs
64. Investigating the clinical relevance of mitochondrial dysfunction and morphological alterations in patients with keratoconus, Dr. Anu Malik, AIIMS (Intramural Grant), 2 Years, 2023-2025, Rs 10 Lakhs
65. Molecular Profiling in Retinoblastoma Using Cell Free DNA From Aqueous Humor, Rachna Meel, Intramural collborative, 2 Years, 2023-2025, Rs 20 Lakhs
66. Molecular profiling in retinoblastoma using cell-free DNA from aqueous humor, Dr. Sahil Agarwal, AIIMS Intramural, 2 Years, 2023-2025, Rs 20 Lakhs
67. National Corneal blindness and visual impairment survey – A cross sectional situational analysis study in India, Professor Praveen Vashist, ICMR, 1 year, 2023-2025, Rs 76 Lakhs approx.
68. National Survey on Rapid Assessment of Effective Refractive Error and Presbyopia (RAREP) in India' funded, Professor Praveen Vashist, Seva Foundation, 2 years, 2024-2025, Rs 204 Lakhs approx.
69. Neuroprotective effect of medicinal plants of Ayurveda in glaucoma - an vitro mechanical study, Professor Jasbir Kaur, AYUSH, 2 years, 2024-2026, Rs 36.97 Lakhs

70. Novel genes in Axenfeld Rieger Syndrome Pathogenesis, Dr. Shikha Gupta, ICMR, 3 Years, 2023-2026, Rs 55 Lakhs
71. Novel genes in the pathogenesis of glaucoma: A validation in glaucoma patients and animal model, Dr.Viney Gupta, ICMR, 3 Years, 2023-2026, Rs 130 Lakhs
72. NPCB "National Trachomatous Trichiasis only survey (TT only survey) in 200 districts across India, Professor Praveen Vashist, NPCB MoH&FW, 2 years, 2021-2023, 2024, Rs 523 Lakhs
73. Patterns and pathways of care seeking for cataract and common ocular morbidities and impact of local volunteers on the pathways among urban vulnerable population settings of West Delhi, Dr. Vivek Gupta, Swami Sivananda Memorial, 7 years, 2017-2025, Rs 79 Lakhs approx.
74. Phase I clinical trial to explore the feasibility and evaluate the clinical outcome and safety of keratoplasty using bioengineered cross-linked human cornea graft in comparison with fresh human cornea, Professor Radhika Tandon, DHR, 3 Years, 26 September 2023-26 September 2026, Rs 83 Lakhs
75. Potential Anti-angiogenic role of Azirines in the Ocular Neovascular condition, Dr. T Velpandian, CSIR-CDRI, 2 Years, 2024-2026, Rs 25.90 Lakhs
76. Quantitative Metabolomic Analysis of Endogenous Trace Amines (ligands of TAAR receptors) in the Age-related Neurodegenerative Diseases: In the search for Biomarker and Therapeutic target, Dr. T Velpandian, ICMR, 3 Years, 2023-2026, Rs 31.66 Lakhs
77. Quantitative Metabolomic analysis of endogenous trace amines (ligands of TAAR receptors) in the Age-related Nuerogenerative Diseases: In searh for Biomarker and Thrapeutic target, Dr Velpandian, ICMR, 3 Years, 2023-2026, Rs 60 Lakhs
78. Receptor Tyrosine Kinase in Ocular Malignancies: Novel Prognostic Markers and Therapeutic Targets, Dr.Seema Sen, CSIR, 3 years, 2022-2024, Rs 27 Lakhs
79. Role of hypoxia mediated cell metabolism in pediatric ocular malignancy, PI-Seema Kashyap Co-PI Neiwete Lomi, ICMR, 3 Years, 2020-2023, Rs 35 Lakhs
80. ROSHINI: Pan India Initiative for Inclusive Comprehensive Eye Care Services- A multi centric approach, Professor Praveen Vashist, CBM, 3 years, 2023-2025, Rs 689 Lakhs approx.
81. RPE IPSC for geographic atrophy, Dr Rajpal, EyeStem, 3 Years, 2023-2026, Rs 4 Lakhs
82. Smartphone Based Portable and Affordable Ophthalmic Screening Device, Dr. Sahil Agarwal, ICMR (CAR), 5 Years, 2024- 2029, -
83. Structural and functional Changes with Occlusion therapy in Anisometropic Amblyopes using FMRI And Diffusion Tensor Imaging, Rebika Jaya Ramasunder, Interdisciplinary collaborative intramural funded research project, 3 Years, March 2021-March 2025, Rs 1.40 Lakhs
84. Systemic Mycophenolate Mofetil versus Topical Tacrolimus for prevention of graft rejection after high risk penetrating keratoplasty- A Pilot Comparative study, Sridevi Nair, AIIMS Intramural project, 2 Years, 2025-2027, Rs 5 Lakhs
85. The Extent of Aquatic Exposure of Certain Endocrine Disruptors (High Volume Chemicals), Dr. T Velpandian, ICMR, 3 Years, 2021-2024, Rs 46.50 lakhs
86. TLR4 linked Gut-Ocular Axis in the Idiopathic Uveitis: Potential pathway for rationalizing treatment strategies, Dr. T Velpandian, ICMR, 4 Years, 2024-2028, Rs 125 Lakhs
87. TLR4 linked Gut-Ocular Axis in the idiopathic Uveitis: Potential pathway for rationalizing treatment strategies, Dr Velpandian, ICMR, 4 Years, 2024-2028, Rs 125 Lakhs
88. Transforming patient care in corneal blind requiring keratoplasty through good quality donor corneas, Professor Namrata Sharma, Raymed Pharm. Ltd., 1 Year, Rs. 4.9 Lakhs

Completed

1. 3D Motion Perception in Children with Eye-Motion Disorders, Rohit Saxena, DST, 3 years, 2021-2024, Rs 40 Lakhs
2. A 96-week, two-arm, randomized, single-masked, multi-center, phase III study assessing the efficacy and safety of brolucizumab 6 mg compared to panretinal photocoagulation laser in patients with proliferative diabetic retinopathy, Rajpal Vohra, Novartis Pvt Ltd, 3 years, 2022-2025, Rs 5 Lakhs

3. A Multicentre, randomized, double masked, active-controlled, comparative clinical study to evaluate the efficacy and safety of MYL-1701P and Eylea in Subject with Diabetic Macular Edema MYL-1701P-3001, Mylan Inc., Shorya Vardhan Azad, Cliantha research, 3 years, 2020-2023, Rs 12 Lakhs
4. A phase III multicentric, randomized, double-blinded, parallel group, comparative clinical study to evaluate the efficacy and safety of atropine sulphate 0.05% ophthalmic solution compared to atropine 0.01%ophthalmic solution for controlling progression of childhood myopia, Rohit Saxena, Biosphere Clinical research pvt ltd, 1 year, 2023-2024, Rs 10 Lakhs
5. A Phase III, Randomized, Double blind, Parallel Group, Multicenter Study to Compare the Efficacy, Safety and Immunogenicity between Test Aflibercept and Eylea® in Patients with Neovascular (Wet) Age-Related Macular Degeneration (AMD), Rajpal Vohra,, 2 years, 2023-2025, Rs 4 Lakhs
6. A Phase IV interventional post approval trial to assess the safety of intravitreal aflibercept for the treatment of Diabetic Macular Edema (DME) in patients in India, Vinod Kumar, IQVIA, 2 years, 2022-2024, Rs 5 Lakhs
7. A prospective, multi-centre, open label, single-arm, phase I study to evaluate the safety of GBL1204 in patients with neovascular age-related macular degeneration., Vinod Kumar, Clinical Research Pvt. Ltd, 1 year, 2023-2024, Rs 1.5 Lakhs
8. A Randomized, Active-Controlled, Double-Masked, Parallel-Group, Phase 3 Study to Compare Efficacy and Safety of CT-P42 in comparison with Eylea in Patients with Diabetic Macular Edema. Funding Agency, Shorya Vardhan Azad, Syneos, 2 years, 2022-2024, Rs 12 Lakhs
9. A real-world, prospective, multi-center, open-label, phase IV clinical study to evaluate the safety and effectiveness of intravitreal injections (IVI) of brolucizumab in patients with neovascular age-related macular degeneration (nAMD)", Shorya Vardhan Azad, Iqvea, 1 year, 2023-2024, Rs 5 Lakhs
10. An Operational Research on Developing an Inclusive Eye Health Program in India, Senjam Suraj Singh, CBM, 4 years, 2021-2024, Rs 92.92 Lakhs
11. An Operational research on developing disability inclusive eye health program in India., Radhika Tandon (Chairperson), Christoffel Blind Mission (CBM), 3 years, January 2021-December 2023, Rs 37.61 Lakhs
12. Angiographic Out flow Assessment: Pediatric to Adult-On set Glaucomas, Shikha Gupta, ARVO Roche Collaborative Research Fellowship, 1 year, 2022-2023, Rs 10,000 USD
13. Aquatic vulnerability of high-volume chemicals including phthalates and metabolites in Delhi and NCR, T Velpandian, DST, Govt. of India, 3 years, 2020-2023, Rs 57.13 Lakhs
14. Assess the effectiveness of systane complete on MGD scores in reducing ocular discomfort symptoms of ocular dryness through an Investigator Initiated Trial, Namrata Sharma, Alcon, 1 year, October 2023-November 2024, Rs 15 Lakhs
15. Assessment of post COVID symptoms and pre-existing health Impairments in individuals aged 18 and older who have recovered from COVID-19, Suraj Singh Senjam, ICMR, 2 years, 2022-2024, Rs 68 Lakhs approx.
16. Assessment of visual performance of a new trifocal intraocular lens for visual acuity and safety (Optiflex trio, BioTech Europe Meditech), Namrata Sharma, BioTech Vision Care Pvt. Ltd., 2 years 3 months, December 2021-March 2024, Rs 13.62 Lakhs
17. Association of Hippo Pathway with pigmentation in the tumor microenvironment of Uveal Melanoma and its clinical relevance, Seema Kashyap, ICMR, 3 years, 2020-2023, Rs 32 Lakhs
18. Comparative evaluation of efficacy of conjunctival stem cell transplantation with cultivated oral mucosal epithelial transplantation in patient with bilateral cicatrizing ocular surface disease., Radhika Tandon, DBT, 5 years, 2017-2023, Rs 59.16 Lakhs
19. Comparison of efficacy of topical NSAID versus topical corticosteroid post-cataract surgery, Rohit Saxena, Sun pharma, 2 years, 2022-2024, Rs 20 Lakhs
20. Corneal Opacity and Blindness Survey Haryana, Praveen Vashist, Haryana State Blindness Control Society., 1 year, 2023-2024, Rs 10 Lakhs approx.
21. Demonstration, Methodology, Development, Exhibition and Promotion of Awareness on Donation of Ocular tissues based on Mapping and Researching the Gaps in Awareness in Western Uttar Pradesh, Rajesh Sinha, Department of Science and Technology, 2020-2024 (3 years project extended by 1 year due to COVID), Rs 48 Lakhs

22. Descemet's membrane and trabecular mesh work properties of Primary Congenital Glaucoma (PCG) with respect to Axenfeld Rieger Syndrome (ARS), Shikha Gupta, AIIMS intramural, 2 years, 2019-2021, Rs 10 Lakhs
23. Establishment of Multiplex PCR for Detection of Herpes Simplex Viruses Type 1 and Type 2, Cytomegalovirus, Varicella-Zoster Virus and Adenovirus in Ocular Viral Infections, Nishat Hussain Ahmed, AIIMS, New Delhi. Institutional grant, 24 months, 2016-2018, Rs 7.7 Lakhs
24. Evaluation of Coronavirus in tears and conjunctival secretions of patients with SARS COVID19, Dewang Angmo, AIIMS, Intramural, 2 years, April 2020-April 2022, Rs 10 Lakhs
25. Evaluation of endothelin and retinal renin angiotensin system (RRAS) in glaucoma, Nabanita Halder, AIIMS, 3 years (got extension), 2021-2024, Rs 10 Lakhs
26. Evaluation of immune modulatory and antioxidant potential of a Unani formulation, Alok Kumar Ravi, CCRUM, Ministry of AYUSH, 2 years, 2021-2024, Rs 36.47 Lakhs
27. Exame sequencing based detection of known and novel mutations among Axenfeld Rieger Syndrome cases, Shikha Gupta, AIIMS intramural, 2 years, 2021-2023, Rs 10 Lakhs
28. Exams sequencing based detection of novel and causal mutation(s)associated with juvenile on set open angle glaucoma (JOAG), Viney Gupta, DRDO, 3 years, 2017-2020, Rs 68 Lakhs
29. Identification of microRNA signatures in diabetic retinopathy: clinical significance, Jasbir Kaur, ICMR, 3 years, 2021-2024, Rs 36.91 Lakhs
30. Multi Centric study of Impact of exposure of Ultra Violet Radiation (UVR) & aerosol exposure on ocular health in India", Radhika Tandon/ Praveen Vashist, ICMR, 5 years, 2018-2023, 2024, Rs 4.50 Lakh approx.
31. OCULAR CHEMOPORT, Rohan Chawla, AIIMS-IIT Intramura, 2 years, 2019-2021, Rs 10 Lakhs
32. Out of pocket payments for cataract surgery: adapting and pilot testing a survey tool, Vivek Gupta, LSHTM, 1 year, June 2022-September 2022, Rs 2 Lakhs
33. Prevalence of Ocular hypertension/Glaucoma among first- and second-degree relatives of Juvenile on set POAG patients., Shikha Gupta, CSIR, 3 years, 2014-2016, Rs 15 lakhs
34. Receptor Tyrosine Kinase in Ocular Malignancies: Novel Prognostic Markers and Therapeutic Targets (CSIR2020-2024), Seema Sen, CSIR, 4 years, 2020-2024, Rs 30 Lakhs
35. Role of hypoxia mediated cell metabolism in pediatric ocular malignancy, Seema Kashyap, ICMR, 3 years, December 2020-November 2023, Rs 35 Lakhs
36. Safety profile and efficacy of Cyclisis PF, Preservative free Cyclosporine Ophthalmic Solution 0.05%, for the treatment of Dry Eye Disease., Namrata Sharma, INTAS, 8 months, June 2023-February 2024, Rs 2.3 Lakhs
37. Screening of known and novel genetic Variations associated with JOAG, Viney Gupta, ICMR, 3 years, 2018-2022, Rs 33 Lakhs
38. Species identification, antifungal susceptibility profile and biofilm formation of Rhodotorula species isolates from ocular infections, Nishat Hussain Ahmed, AIIMS, New Delhi. Institutional grant, 12 months, 2019-2020, Rs 5 Lakhs
39. Species identification, antifungal susceptibility profile and virulence factors of Candida species isolates from ocular infections, Nishat Hussain Ahmed, AIIMS, New Delhi. Institutional grant, 24 months, 2021-2023, Rs 5 Lakhs
40. Tear Film Inflammatory Mediators Analysis in Cases Undergoing SMILE and LASIK, Jeewan S Titiyal, Zeiss, 5 years, 2019-2025, Rs 30 Lakhs
41. Transcriptome profiling in Trabecularmesh work of Juvenile Onset Open angle glaucoma patients by RNA sequencing, Viney Gupta, ICMR, 3 years, 2019-2023, Rs 130 Lakhs

DEPARTMENTAL PROJECTS (INCLUDING THESIS/DISSERTATIONS)

Ongoing

1. A metagenomic approach to evaluate the human ocular microbiome in patients with dry eye disease and limbal stem cell deficiency
2. A prospective Randomized Comparative analysis between LMA vs ETT for Recovery time in Preterm infants for ROP eye surgeries

3. A Study to Compare Visual Outcomes of Enhanced Monofocal IOLS in the Pediatric Age Group
4. Ambispective analysis of retinal vasculitis- Clinical correlation with ultra-wide-field imaging- AIIMSA1691/09.07.2024
5. Ambispective Observational Study Evaluating the Efficacy of Adalimumab/Adalimumab Biosimilars in Non-infectious Uveitis
6. Analysis of Neuro-radiological findings in acute optic neuritis and ischemic optic neuropathies and their association with clinical features and visual outcome
7. Analysis of ocular surface parameters and tear inflammatory mediators in viral conjunctivitis with corneal involvement
8. Artificial Intelligence in Dry Eye Disease
9. ASOCT guided imaging of extra ocular muscles following surgery.
10. Assessment of ERQOL in children with strabismus
11. Auricular Skin-Cartilage Graft in Reconstruction of Eyelid Deformity
12. Auricular Skin-cartilage Graft in Reconstruction of Eyelid Deformity
13. Biomechanical and October changes in childhood myopia
14. Changes in levels of VEGF, IL-6, and 1L-1Beta in Aqueous Humour in response to AntiVEGF Intravitreal therapy in Wet AMD
15. Clinical outcome of inferior rectus transposition in lateral rectus palsy
16. Clinicodemographic Profile and Treatment Outcomes of Unilateral Retinoblastoma in the Current Era.
17. Clinicodemographic Profile and Treatment Outcomes of Unilateral Retinoblastoma in the Current Era' Ultrasound biomicroscopy in aponeurotic ptosis
18. Cognitive changes in children with glaucoma and their correlation with visual function and anaesthesia exposure
19. Community based assessment of disability among adult population of Delhi using WHO-ICF (International Classification of Functioning, Disability and Health)
20. Comparative evaluation of Phacoemulsification combined with Endoscopic Cyclophotocoagulation Vs Phacoemulsification alone in Primary angle closure glaucoma - A Randomized Controlled Trial
21. Comparison of clinical diagnosis, culture results of corneal scrapings and histopathology results of corneal tissue following therapeutic keratoplasty in cases of microbial keratitis". (MD Thesis)
22. Comparison of mechanical power between PCV vs VCV on pediatric population undergoing laparoscopic surgeries under GA:a randomised controlled trial.
23. Comparison of opioid sparing protocol with Ketodex vs Fentanyl in Paediatric Strabismus Surgery: A Prospective Double Blind Randomised Controlled Study
24. Comparison of Outcomes of various types of Intraocular Lenses in early primary open angle glaucoma – Chief Guide
25. Comparison of Pre and Post MMCR changes in eyelid features in Ptosis using UBM. (MD Thesis)
26. Comparison of Pre and Post-MMCR Changes in Eyelid Features in Ptosis using Ultrasound Biomicroscopy.
27. Comparison of Tenon's patch graft and SMILE Lenticule in the management of small corneal perforations
28. Comparison of Ultrasound Guided Modified Thoracoabdominal Block Through Perichondrial Approach (M-TAPA) With External Oblique Plane Block (EXOP) v/s M-TAPA In Laparoscopic Cholecystectomy: A Prospective, Randomized, double blinded Study
29. Contrast enhanced ultrasound in retinoblastoma
30. Corneal biomechanics and October parameters among myopic children
31. Correction of telecanthus and epicanthus inversus by bare bone technique vs conventional Y-V medial canthoplasty in blepharophimosis syndrome
32. Correlation of Tear Inflammatory Mediators and Serum Autoantibodies with Disease Severity in Systemic Autoimmune Disorders

33. Correlation of Tear Inflammatory Mediators with Disease Severity & Activity in Vernal Keratoconjunctivitis
34. Demographic study in unilateral Rb (MD Thesis)
35. Detection of DNA of members of family Herpesviridae in aqueous humour of patients with serpiginous and serpiginous-like choroiditis: A PCR-based case-control study- AIIMSA3491/ 11.03.2025
36. Effect of Airway Pressure on Cuff Pressure of Proseal Laryngeal Mask Airway in Patients Undergoing Gynaecological Laparoscopic Procedures
37. Effect of immersive virtual reality vs intranasal midazolam on preoperative anxiety in children undergoing inhalation induction of anaesthesia: A prospective, randomised, controlled study
38. Effect of Predicted versus actual body weight based tidal volume setting on postoperative atelectasis in malnourished children undergoing surgery under general anaesthesia: A Randomised Controlled trial.
39. Effect of Topical Losartan in patients with corneal opacity-a pilot study
40. Elucidating the therapeutic potential of a Unani formulation in glaucoma
41. Epigenetic Modulation in Diabetic Retinopathy: Identifying Key Regulatory Networks and Molecular Targets (Ph.D Thesis)
42. Estimating the burden of Corneal Blindness and predicting the need for keratoplasty with the help of Artificial Intelligence
43. Evaluated intraventional modalities for management and prevention of childhood myopia
44. Evaluating the Effect of Dorzolamide vs Netarsudil on OCTA vessel density in Preperimetric and Early Glaucoma - A Randomized Controlled Trial
45. Evaluating the outcomes of Needle assisted circumferential goniotomy in PCG
46. Evaluating the safety and efficacy of topicaldifluprednate Vs oral eplerenone in patients with chronic CSCR. An open label randomised control trial.
47. Evaluation of efficacy of Nishida procedure in eso-DRS
48. Evaluation of long-term outcomes of ocular Surface Changes in Glaucoma Patients on Preservative Vs Preservative-Free Antiglaucoma Medications
49. Evaluation Of Nishida Procedure In Esotropic Duane Retraction Syndrome
50. Evaluation of peripapillary hypereflective ovoid mass like structure (PHOMS) in cases of Disc oedema, Pseudo disc oedema and Myopia
51. Evaluation of the involvement of selected environmental pollutants on neurological disorders
52. Evaluation of USG Guided Or Assisted Regional Anaesthesia Techniques For Patients Undergoing Extraocular Oculoplasty Surgeries Under General Anaesthesia- A Prospective Randomized Control Trial"
53. Exploring stress among Patients with Glaucoma and Avenues for Interventions.
54. Exploring stress among Patients with Glaucoma and Avenues for Interventions.
55. Functional MRI and DTI changes pre and post Dicoptics therapy in anisometropic amblyopia
56. Functional MRI and October angiography changes pre and post Occlusion therapy in anisometropic amblyopia
57. Hippo signalling pathway and its biological function in uveal melanoma
58. Identification of oxidative phosphorylation complex alterations in JOAG
59. Identification of oxidative phosphorylation complex alterations in juvenile open angle glaucoma. (Ph.D Thesis)
60. Integrated model for Diabetic Retinopathy and Glaucoma Screening at Primary Level and Referral for Management-An Operational Research
61. Integrated model for Diabetic Retinopathy and Glaucoma Screening at Primary Level and Referral for Management-An Operational Research
62. Intravitreal methotrexate for uveitis
63. Keratoplasty to restore vision in trachomatous corneal opacity: Anambispective study (MD Thesis 2025
64. Lacrimal Gland Tumors: Clinical Spectrum and treatment Outcomes

65. Laser vs Intravitreal in PDR
66. Meibography in patients with trichiasis: Exploring the role of Machine learning in determining etiology
67. Microbiological Profile of yeasts causing eye infections
68. Microbiological Profile of yeasts causing eye infections
69. Mitochondrial genome variants and maternal inheritance in pathogenesis of JOAG
70. Molecular mechanism of melanogenesis pathway in uveal melanoma
71. Molecular Mechanisms Involved in the Development of Insulin Resistance due to Environmental Exposure of Phthalates
72. Multimodal imaging in strabismus.
73. Multimodal management of stage II and III extraocular retinoblastoma: An Interventional pilot study (DM Thesis)
74. Multiphasic Micellar Nano Particle (MNP) Cyclosporine in Mild to Moderate Limbal Stem Cell Deficiency
75. Need, Usage and barriers to access Assistive Technology among students with and without disability
76. Novel genes in Axenfeld Rieger Syndrome Pathogenesis
77. Ocular Disposition of Bio-therapeutics and the Role of Peptide Transporters in Blood Ocular Barriers
78. Ocular manifestations in patients with Mucopolysaccharidoses: Role of evaluation modalities
79. Ocular Surface Microbiome Profiling in Neurodegenerative Disorders
80. Online circular contrast perimetry providing affordable, scalable and accessible glaucoma outreach services
81. Online circular contrast perimetry providing affordable, scalable and accessible glaucoma outreach services
82. Optic disc pit maculopathy ambispective review
83. Outcomes of Corneal Transplantation in patients with Trachomatous Keratopathy
84. Outcomes of Novel Scarless Approach to Excision of External Angular Dermoid Cyst
85. Oxygen Sensing Signalling in the Regulation and Progression of Retinoblastoma
86. Pilocarpine 1.25% for management of uncorrected presbyopia
87. Post NACT In ossn (MD Thesis)
88. Role of Combined PeriocularTopotecan and Systemic Chemotherapy in Advanced Intraocular Retinoblastoma. (MD Thesis)
89. Role of neoadjuvant chemotherapy in ocularsurface squamous neoplasia-a prospective study Ongoing
90. Role of OCTA in differentiating Alzeihmer's from Non-Alzheimer dementia
91. Role of steroids in chronic CSCR
92. Role of topical palmitate with mini sclera contact lenses in management of ocular surface disorder with keratinisation in association with chronic steven Johnson syndrome (MD Thesis)
93. Role of Zone 2 posterior sparing laser following intravitreal Ranibizumab injection in Zone 1 AROP- An openlabel RCT- AIIMSA2929/ 03.01.2025
94. Selective truncal block VS corner pocket block for upper limb surgeries- A randomized controlled trial.
95. STL in focal diabetic macular oedema
96. Study of Long-term Outcome of Keratoplasty in Congenital Hereditary Endothelial Dystrophy and Correlation with Clinical and Genetic Parameters
97. Systemic Mycophenolate Mofetil versus Topical Tacrolimus for prevention of graft rejection after high risk penetrating keratoplasty- A Pilot Comparative study
98. The Global Retinoblastoma 2024 Study
99. Therapeutic potential of plant based formulation in glaucoma

100. Therapeutic potential of plant based formulation in glaucoma. (Ph.D Thesis)
101. To Study Clinicodemographic Profile and Treatment Outcomes of Retinoblastoma in the Current Era
102. To Study The Anatomical, Functional And Neuro-Cognitive Outcomes After Sight Restoration In Infants And Toddlers With Congenital Bilateral Visual Axis Opacities - An Ambispective Study
103. To study the factors contributing to the altered corneal biomechanical strength in patients seeking refractive surgery
104. Treatment outcomes of extraocular retinoblastoma following multimodal therapy – a prospective study
105. Ultrasound biomicroscopy in aponeurotic ptosis
106. Ultrasound biomicroscopy in aponeurotic ptosis
107. Ultra-Widefield October Characteristics of Retinal Capillary Angiomatosis
108. USG Guided Suprazygomatic Maxillary Nerve Block For Intraoperative And Postoperative Pain Relief In Maxillary Surgery: A Prospective Randomised Control Trial.
109. Utility of Laryngeal Mask Airway for the airway management in infants undergoing operative procedures for retinopathy of prematurity: A single arm clinical trial.

Completed

1. A comparative double-arm randomized controlled study to assess the effect of EvolveTM Pure Eyelid wipes in subjects with meibomian gland dysfunction
2. A retrospective study on anesthetic concerns, management and outcomes of brachytherapy in retinoblastoma children
3. Acanthamoeba keratitis: Experience from a tertiary eye care centre in North India
4. Anatomical and Functional outcomes of 25 Gauge MIVS in Iridofundal Coloboma related Retinal Detachment
5. Artificial Intelligence in Dry Eye Disease
6. Audits of the phenotype, causes and correlates of trichiasis: A WHO Trachoma Collaborative Study
7. Bacteriological profile of Central Line Associated Blood Stream Infections, with specific reference to biofilm formation and resistance pattern, and their correlation with response and outcome.
8. Clinical sequelae in COVID-19 recovered healthcare workers from Dr. Rajendra Prasad Centre for Ophthalmic Sciences, A.I.I.M.S, New Delhi
9. Clinicogenetic profile of inherited retinal dystrophies
10. Comparison between analgesic efficacy of Sacral Erector Spinae Block vs Caudal Block in pediatric anorectal surgeries – A Randomized controlled trial-
11. Comparison of awake nasotracheal intubation using flexible Fibre-optic bronchoscope versus D blade CMAC Video-laryngoscope in patients having anticipated difficult airway under topical local
12. Comparison of iCare ic200 and Perkin tonometry in paediatric glaucomas
13. Comparison of opioid free anaesthesia protocols in pediatric strabismus surgery: A Randomised control trial
14. Comparison of Outcomes of various types of Intraocular Lenses in early primary open angle glaucoma – Chief Guide
15. Comparison of Pharmacokinetics and Sedative Effect of Sublingual and Intranasal Dexmedetomidine in Children: A Double Blind Randomised Controlled Study
16. Comparison of Tenon's patch graft and SMILE Lenticule in the management of small corneal perforations
17. Comparison of time for endotracheal intubation with flexible tip bougie versus standard bougie during video laryngoscopy in simulated cervical spine immobilization in adult patients - A randomized control trial
18. Comparison of Weight Versus Weight for Age For Size Selection of Laryngeal Mask Airway in Malnourished Pediatric Patient- A Prospective Randomized Crossover Trial
19. Co-relating Selective Laser Trabeculoplasty Outcomes with Anterior Segment October features in patients with Juvenile onset Primary Open Angle Glaucoma (JOAG)

20. Correlation of Antibiotic Resistance Patterns of Ocular Bacterial Isolates and Antibiotic Use in Patients Admitted to Hospital- a Step Towards Antimicrobial Stewardship
21. Correlation of Tear Inflammatory Mediators and Serum Autoantibodies in Systemic Autoimmune Disorders
22. Demographics, risk factors, clinical & microbiological characteristics and visual outcomes of bilateral simultaneous active keratitis
23. Effect of 365 breathing technique on Intraocular pressure and autonomic functions in glaucoma patients
24. Effect Of Intraabdominal Pressure Guided Positive End Expiratory Pressure On Driving Pressure In Paediatric Laparoscopic Surgery: A Randomized Controlled Trial.
25. Effect of mindfulness meditation on IOP in patients with ocular hypertension
26. Effect of Topical Brinzolamide on Corneal Endothelium in Post Penetrating Keratoplasty Patients
27. Effect of Topical Brinzolamide on Corneal Endothelium in Post Penetrating Keratoplasty Patients
28. Efficacy Of Calcium Gluconate In Prevention Of Uterine Atony During Lower Segmental Cesarean Section Delivery: A Randomized Controlled Trial
29. Efficacy of Micropulse in Primary Angle Closure Glaucoma
30. Endogenous cortisol profile in patients with primary open angle glaucoma and primary angle closure glaucoma and correlation with psychological stress
31. Evaluating the severity of glaucoma in consanguinous marriage
32. Evaluation of importance of pre-operative conjunctival swab in patients undergoing elective intraocular surgeries: A retrospective observational study
33. Evaluation of intraoperative bands with histopathological and clinical correlation.
34. Evaluation of long term outcomes of Ahmed Glaucoma Valve (AGV) in Refractory Glaucomas
35. Evaluation of Modified Poly-Caprolactone (pPCL) as a substitute for Human Amniotic Membrane (HAM) Graft in Unilateral Acute Chemical Injury: A Pilot Clinical Trial
36. Evaluation of rectus muscle plication with hang back recession in extra large angle exotropia.
37. Evaluation of surgical outcomes in horizontal comitant strabismus.
38. Evaluation of visual cortex activity using fNIRS in primary glaucoma
39. Evaluation of visual outcomes of cataract surgery in patients with armd and diabetic retinopathy, preoperative predictors and patient satisfaction
40. Hospital-based prevalence of meibomian gland dysfunction
41. Incidence of Congenital Glaucoma - A multicentric Trial
42. Leading Bacterial Pathogens Causing Infective Keratitis and their Antimicrobial Susceptibility in a Tertiary Care Eye Centre from North India
43. Macular imaging in Glaucoma suspects and Early glaucoma
44. Meibography in patients with trichiasis: Exploring the role of Machine learning in determining etiology
45. Meibography in patients with trichiasis: exploring the role of machine learning in determining etiology of trichiasis
46. Microbiological Profile and Clinical Characteristics of Patients Presenting with Epidemic Conjunctivitis/ Keratoconjunctivitis- Experience of a Tertiary Care Eye Centre
47. Molecular Characterization of Fungi from Mycotic Keratitis and Invasive Infections and Comparison with Conventional Methods like Direct Detection and Culture
48. Multiphasic micellar nano particle (MNP)cyclosporine in mild to moderate limbal stem cell deficiency
49. Mycotic Keratitis in North India: A Retrospective Observational Analysis of Seven Years from a Tertiary Care Ophthalmic Centre
50. Ocular manifestations in patients with Mucopolysaccharidoses: Role of evaluation modalities
51. Ocular Surface Evaluation in Vernal Keratoconjunctivitis

52. Prospective Observational Study of Aggressive Posterior Retinopathy of Prematurity and zone I Retinopathy Of Prematurity.
53. Randomized controlled trial to compare time to endotracheal intubation by novice anaesthesiologists when performed by direct laryngoscopy without verbal video laryngoscope feedback to direct laryngoscopy with verbal video laryngoscope feedback
54. Robotic Intubation System for Precise and Safe Endotracheal Intubation- A preliminary report
55. Role of dual energy CT in acute pancreatitis
56. Sonographic Assessment of Suprahyoid Airway Parameters in Pediatric Patients Planned for Elective Proseal Placement - A Pilot, Observational Study.
57. Species identification and determination of virulence factors of Coagulase negative Staphylococci in ocular infections
58. Species Identification, Antifungal Susceptibility Profile and Virulence Factors of Candida Species Isolates from Ocular Infections
59. Spectral Dual Energy CT in assessing response to neoadjuvant molecular targeted therapy (TKI) in locally advanced renal cell carcinoma.
60. Spectrum of Bacterial keratitis in North India- Six Year Retrospective Study from a Tertiary Care Eye Centre
61. SRL for CSR
62. STL for diabetic macula oedema
63. Structural and functional changes of macula overtime in ocular hypertension vs age matched controls
64. Surgeon perceptions and preferences in the management of idiopathic macular hole- AA-1/05.03.2024
65. The effect of Post- spinal hypotension on cerebral oxygenation using NIRS and neonatal outcomes in full term parturients undergoing lower segment caesarean A Prospective Observational Study
66. To evaluate the role of intra- operative fundus fluorescein angiography for vitrectomy in proliferative retinopathies and vitreous haemorrhage
67. Topographic Profile in VKC– Exploring the role of swept source Anterior segment OCT
68. Ultrasound assessment of airway for prediction of difficult laryngoscopy in obese patients- a prospective observational pilot study.
69. Ultrasound guided pericapsular nerve group block for improving positioning before central neuraxial block in patients undergoing surgery for neck of femur and inter trochanteric fracture -a randomized controlled pilot study
70. Use of advanced genomics in Microbiology of culture negative infections
71. Use of fibrin glue versus sutures in the fixation of full-thickness skin graft for correction of eyelid deformity.
72. Use of Intravitreal Methotrexate as an adjunct in Retinal Detachment with Proliferative Vitreo-Retinopathy

COLLABORATIVE PROJECTS

Ongoing

1. 18F FDG Radiomics and Radiogenomics profiling in Retinoblastoma, AIIMS Intramural collaborative project
2. 5 year Can Kids Project on Retinoblastoma, CANKIDS
3. A Comparative Evaluation of Double and Single Application of Povidone Iodine for De-Contamination of Donor Cornea, Ophthalmology
4. Analysis of Neuro-radiological findings in Acute optic neuritis and Ischemic optic neuropathies and their association with clinical features and visual outcome, Neurology
5. Analysis of SARS-CoV-2 in Corneal tissue of deceased asymptomatic COVID-19 donors,
6. Assessing the effectiveness of 0.01% HOCL interventions in managing Ocular surface disorders: Randomized trials on dry eye disease and meibomian gland dysfunction, ICMR

7. Assessment of accelerated corneal collagen Cross-linking as an adjuvant therapy in moderate to severe fungal keratits, Ophthalmology
8. Cell-free DNA as a potential molecular marker for retinoblastoma diagnostic and therapeutic approach., ICMR
9. Clinical Efficacy of Topical Caspofungin and its Comparative Evaluation with Topical Natamycin Monotherapy in Fungal Keratitis, Ophthalmology
10. Clinical relevance of Mitochondrial mediated Ferroptosis in RB, ICMR
11. Clinicodemographic Profile and Treatment Outcomes of Unilateral Retinoblastoma in the Current Era', IRCH
12. Collagen Cross-Linking in Microbial Keratitis, Ophthalmology
13. Collagen Cross-Linking in Microbial Keratitis", Ophthalmology
14. Comparative Evaluation of 26 Guaze Needle versus Kimura's Spatula for Corneal Scraping in Infective Keratitis: a Randomised Controlled Trial, Ophthalmology
15. Comparison of efficacy of steroids and cyclosporine in preventing subepithelial infiltrates in adenoviral conjunctivitis, Ophthalmology
16. Cornea transportation by drones: En Exploratory Study, ICMR
17. Correlation between corneal concentration and MIC of antifungals in patients undergoing therapeutic keratoplasty for fungal keratitis, Ophthalmology
18. Correlation of Neuroadaptive Changes on Functional MRI with Clinical Stereoacuity and Visual Quality after Bilateral Implantation of New-Generation Multifocal Intraocular Lenses. 2020-21. AIIMS Interdepartmental Intramural Collaborative Project (INR 10 Lakhs)., NMR
19. Correlation of Tear Inflammatory Mediators and Serum Autoantibodies in Patients with Systemic Autoimmune Disorders. 2020-21. AIIMS Interdepartmental Intramural Collaborative Project (INR 10 Lakhs)., Rheumatology
20. Cortisol levels association with the progression of glaucoma (Professor Tanuj Dada), Ophthalmology/AIIMS
21. Cyanide levels in the plasma of burns patients and correlation with the prognosis (Dr. Shekhar), Burns & Plastics/AIIMS
22. Determination of anti-aging and antioxidant potential of a Unani formulation, Department of Geriatric Medicine, AIIMS (Funded by CCRUM, Ministry of AYUSH)
23. Determination of plasma drug levels of antitubercular drugs in patients with extra pulmonary tuberculosis outcomes (Dr. Anant Mohan), Medicine/AIIMS
24. Diagnostic role of Ga-68 PSMA-PET/MRI fusion based targeted biopsy versus mpMR-TRUS fusion biopsy for detection of clinically significant prostate cancer., Urology
25. Diagnostic utility of aqueous humor as a liquid biopsy for uveal melanoma, IRG
26. Early bacterial activity and PK/PD study of Rifampicin, Faropenem and Cefdinir with clavulanate versus standard of care in newly diagnostic smear positive Rifampicin susceptible TB (Dr. Urvashi Singh), Microbiology/AIIMS
27. Effect of high dose vitamin D3 on hemoglobin concentrations of mechanically ventilated patients with sepsis: a placebo-controlled randomized controlled trial, Department of Medicine, AIIMS (Funded by ICMR)
28. Effect of yoga -based lifestyle intervention on oxidant stress inflammation vascular endothelial function and autonomic tone in diabetic retinopathy patients,
29. Establishing a Technical Support Unit (TSU) for Verbal Autopsy based Cause of Death Ascertainment in the Sample Registration System, Registrar General of India - MINErVA - N1715, CCM
30. Estimation of Bisphenols in Urine of PCOS patients (Dr. Neeta Singh), Gynaecology/AIIMS
31. Evaluate the effect of dexamethasone vs prednisolone on ocular toxicity induced by systemic cytarabine arabinoside (ARA-C) in AML patients, Department of Hematology, AIIMS
32. Evaluation of Coronavirus in tears and conjunctival secretions of patients with SARS COVID19,
33. Evaluation of cystinosis by estimating leukocyte cystine. (Dr. Arvind Bagga), Pediatrics/AIIMS
34. Evaluation of Losartan eyedrops in the corneal epithelial defect (Dr. Noopur Gupta), Ophthalmology/AIIMS
35. Evaluation of microbiological screening of donor Corneas an d co-relation with clinical outcomes, Ophthalmology

36. Evaluation of the role of Cyclosporine-A as an adjuvant in cases of fungal keratitis, Ophthalmology
37. Exploring the role of hypoxia in modulating ceramide metabolism and insulin sensitivity in adipocytes (Dr. Archana Singh), Biochemistry/AIIMS
38. FAPC as potential marker of invasive aspergillosis(Dr Sunita Meena), Lab. Medicine/AIIMS
39. Formulation of avulsion media as suitable transplant medium (Dr. Amrita Chawla), Centre for Dental Education and Research/AIIMS
40. Identification of micro RNA signatures in diabetic retinopathy: clinical significance,
41. Intestinal permeability in chronic pancreatitis by urine matrix (Dr Deepak Gunjan), Gastro/AIIMS
42. Lipids isolated from biological nanoparticles (Dr. Jayanta Bhattacharya), IIT Delhi
43. Mitochondrial dysfunction and oxidation stress pathway based prognostic signatures for keratoconus, Ophthalmology
44. Molecular Profiling in Retinoblastoma Using Cell Free DNA From Aqueous Humor, anatomy
45. Molecular profiling in retinoblastoma using cell free DNA from aqueous humor, AIIMS Intramural collaborative project
46. Multiplex PCR Assay for Undetectable and Under Reported Bacterial Ocular Infections, Ophthalmology
47. National Oral Disease Burden Survey, CDER
48. National survey on extent and patterns of substance use in India (2024), NDDTC
49. Nitisinone therapy for Tyrosinemia patients (Dr. Neerja Gupta), Pediatrics/AIIMS
50. Ocular Chemoport, IIT
51. Part of Global RB presentation 2024 and outcome 2027 studies international project, GLOBAL
52. Penicillin detection in plasma of RHD patients (Dr. Kamaldeep), Cardiology, RML Hospital
53. Pharmacokinetics of first line Antitubercular drugs in TB patients, A Comparative study in patients with and without contaminate diabetic mellitus (Dr. Saurav), MAMC
54. Phase I clinical trial to explore the feasibility and evaluate the clinical outcome and safety of keratoplasty using bioengineered cross-linked human cornea graft in comparison with fresh human cornea, Department of Textile and Fibre Engineering, Indian Institute of Technology, New Delhi.
55. Preparation of Quinidine sulphate tablets/capsules/sachets (Dr. Deepti), Cardiology/AIIMS
56. Preparation of sachets for pre-operative drink (Dr. Bhavna), Anaesthesiology/AIIMS
57. Ricinoleic acid as alternative glaucoma therapy (Dr Madhu Nath), Ophthalmology/AIIMS
58. Role of CTGF and BDNF in diabetic retinopathy (Dr. Shoryavardhan Azad), Ophthalmology/AIIMS
59. Role of low dose heparin eye drops on acute and chronic ocular cases of Steven Johnson syndrome (SJS) and its correlation with immune pathway gene expression. A randomised controlled trial" (ICMR September 2019 onwards), Ophthalmology
60. Role of neoadjuvant chemotherapy in ocularsurface squamous neoplasia-a prospective study, IRCH
61. ROSHINI: Pan India Initiative for Inclusive Comprehensive Eye Care Services- A multi centric approach, funded by Christoffel Blindenmission (CBM)
62. RPE IPSC for geographic atrophy, EyeStem
64. Structural and functional Changes with Occlusion therapy in Anisometropic Amblyopes using FMRI And Diffusion Tensor Imaging, NMR, AIIMS, New Delhi
65. Study of Ocular Microbial Flora in Contact Lens Wearers using Metagenomics, Ophthalmology
66. Sugar analysis in baby food-products (Dr. Harsh Priya), Centre for Dental Education and Research/AIIMS
67. Tear Film Concentration of Oral Antibiotics in Bacterial Keratitis Patients, Ophthalmology
68. The Global Retinoblastoma 2024 Study, IRCH

69. To assess the role of anti – VEGF as an adjunct in the management of post surgical endophthalmitis- a pilot study, Ophthalmology
70. To determine the concentration of Betel nut alkaloids and Catechins in current and past betel nut users and their association with pro-oncogenic cytokines and oral potentially malignant disorders (Dr. Shalini Gupta), Centre for Dental Education and Research/AIIMS
71. To estimate the levels of N-Carboxymethyl lysine, arginine and Di-tyrosine in autistic children. (Dr. Shefali Gulati), Pediatrics/AIIMS
72. To Study Clinicodemographic Profile and Treatment Outcomes of Retinoblastoma in the Current Era, IRCH
73. To Study Clinicodemographic Profile and Treatment Outcomes of Retinoblastoma in the Current Era, DM Thesis - BRAIRCH 2024
74. To study the effect of Vitamin C and Thiamine in patients with sepsis in Indian Population (Dr. Arvind kumar), Medicine/AIIMS
75. Topical human immunoglobin as adjunct therapy in dry eye disease (Professor M. Vanathi), Ophthalmology/ AIIMS
76. Transcriptome analysis to define novel Pathways in ACC and to correlate with clinical outcome, IRG Project
77. Understanding the role of noncoding RNAs in osteogenesis (ICMR project Co- investigator in collaboration with IGIB), IGIB
78. 18F FDG Radiomics and Radiogenomics profiling in Retinoblastoma, AIIMS Intramural collaborative project
79. Clinical relevance of Mitochondrial mediated Ferroptosis in RB, ICMR
80. Clinicodemographic Profile and Treatment Outcomes of Unilateral Retinoblastoma in the Current Era', IRCH
81. Collagen Cross-Linking in Microbial Keratitis, Ophthalmology
82. Collagen Cross-Linking in Microbial Keratitis", Ophthalmology
83. Comparative Evaluation of 26 Guaze Needle versus Kimura's Spatula for Corneal Scraping in Infective Keratitis: a Randomised Controlled Trial, Ophthalmology
84. Comparison of efficacy of steroids and cyclosporine in preventing subepithelial infiltrates in adenoviral conjunctivitis, Ophthalmology
85. Cornea transportation by drones: En Exploratory Study, ICMR
86. Correlation between corneal concentration and MIC of antifungals in patients undergoing therapeutic keratoplasty for fungal keratitis, Ophthalmology
87. Correlation of Neuroadaptive Changes on Functional MRI with Clinical Stereoacuity and Visual Quality after Bilateral Implantation of New-Generation Multifocal Intraocular Lenses. 2020-21. AIIMS Interdepartmental Intramural Collaborative Project (INR 10 Lakhs), NMR
88. Correlation of Tear Inflammatory Mediators and Serum Autoantibodies in Patients with Systemic Autoimmune Disorders. 2020-21. AIIMS Interdepartmental Intramural Collaborative Project (INR 10 Lakhs), Rheumatology 5 year Can Kids Project on Retinoblastoma, CANKIDS
89. Cortisol levels association with the progression of glaucoma (Professor Tanuj Dada), Ophthalmology/AIIMS
90. Cyanide levels in the plasma of burns patients and correlation with the prognosis (Dr. Shekhar), Burns & Plastics/AIIMS
91. Determination of anti-aging and antioxidant potential of a Unani formulation, Department of Geriatric Medicine, AIIMS (Funded by CCRUM, Ministry of AYUSH)
92. Determination of plasma drug levels of antitubercular drugs in patients with extra pulmonary tuberculosis outcomes (Dr. Anant Mohan), Medicine/AIIMS
93. Diagnostic role of Ga-68 PSMA-PET/MRI fusion based targeted biopsy versus mpMR-TRUS fusion biopsy for detection of clinically significant prostate cancer., Urology
94. Diagnostic utility of aqueous humor as a liquid biopsy for uveal melanoma, IRG
95. Early bacterial activity and PK/PD study of Rifampicin, Faropenem and Cefdinir with clavulanate versus standard of care in newly diagnostic smear positive Rifampicin susceptible TB (Dr. Urvashi Singh), Microbiology/AIIMS

96. Effect of high dose vitamin D3 on hemoglobin concentrations of mechanically ventilated patients with sepsis: a placebo-controlled randomized controlled trial, Department of Medicine, AIIMS (Funded by ICMR)

97. Effect of yoga -based lifestyle intervention on oxidant stress inflammation vascular endothelial function and autonomic tone in diabetic retinopathy patients,

98. Establishing a Technical Support Unit (TSU) for Verbal Autopsy based Cause of Death Ascertainment in the Sample Registration System, Registrar General of India - MINErVA - N1715, CCM A Comparative Evaluation of Double and Single Application of Povidone Iodine for De-Contamination of Donor Cornea, Ophthalmology

99. Estimation of Bisphenols in Urine of PCOS patients (Dr. Neeta Singh), Gynaecology/AIIMS

100. Evaluate the effect of dexamethasone vs prednisolone on ocular toxicity induced by systemic cytarabine arabinoside (ARA-C) in AML patients, Department of Hematology, AIIMS

101. Evaluation of Coronavirus in tears and conjunctival secretions of patients with SARS COVID19,

102. Evaluation of cystinosis by estimating leukocyte cystine. (Dr. Arvind Bagga), Pediatrics/AIIMS

103. Evaluation of Losartan eyedrops in the corneal epithelial defect (Dr. Noopur Gupta), Ophthalmology/AIIMS

104. Evaluation of microbiological screening of donor Corneas an d co-relation with clinical outcomes, Ophthalmology

105. Evaluation of the role of Cyclosporine-A as an adjuvant in cases of fungal keratitis, Ophthalmology

106. Exploring the role of hypoxia in modulating ceramide metabolism and insulin sensitivity in adipocytes (Dr. Archana Singh), Biochemistry/AIIMS

107. FAPC as potential marker of invasive aspergillosis(Dr Sunita Meena), Lab. Medicine/AIIMS

108. Formulation of avulsion media as suitable transplant medium (Dr. Amrita Chawla), Centre for Dental Education and Research/AIIMS Analysis of Neuro-radiological findings in Acute optic neuritis and Ischemic optic neuropathies and their association with clinical features and visual outcome, Neurology

109. Identification of micro RNA signatures in diabetic retinopathy: clinical significance,

110. Intestinal permeability in chronic pancreatitis by urine matrix (Dr Deepak Gunjan), Gastro/AIIMS

111. Lipids isolated from biological nanoparticles (Dr. Jayanta Bhattacharya), IIT Delhi

112. Mitochondrial dysfunction and oxidation stress pathway based prognostic signatures for keratoconus, Ophthalmology

113. Molecular Profiling in Retinoblastoma Using Cell Free DNA From Aqueous Humor, anatomy

114. Molecular profiling in retinoblastoma using cell free DNA from aqueous humor, AIIMS Intramural collaborative project

115. Multiplex PCR Assay for Undetectable and Under Reported Bacterial Ocular Infections, Ophthalmology

116. National Oral Disease Burden Survey, CDER

117. National survey on extent and patterns of substance use in India (2024), NDDTC

118. Nitisinone therapy for Tyrosinemia patients (Dr. Neerja Gupta), Pediatrics/AIIMS

119 Analysis of SARS-CoV-2 in Corneal tissue of deceased asymptomatic COVID-19 donors,

120. Ocular Chemoport, IIT

121. Part of Global RB presentation 2024 and outcome 2027 studies international project, GLOBAL

122. Penicillin detection in plasma of RHD patients (Dr. Kamaldeep), Cardiology, RML Hospital

123. Pharmacokinetics of first line Antitubercular drugs in TB patients, A Comparative study in patients with and without contaminate diabetic mellitus (Dr. Saurav), MAMC

124. Phase I clinical trial to explore the feasibility and evaluate the clinical outcome and safety of keratoplasty using bioengineered cross-linked human cornea graft in comparison with fresh human cornea, Department of Textile and Fibre Engineering, Indian Institute of Technology, New Delhi.

125. Preparation of Quinidine sulphate tablets/capsules/sachets (Dr. Deepti), Cardiology/AIIMS

126. Preparation of sachets for pre-operative drink (Dr. Bhavna), Anaesthesiology/AIIMS

127. Ricinoleic acid as alternative glaucoma therapy (Dr. Madhu Nath), Ophthalmology/AIIMS

128. Role of CTGF and BDNF in diabetic retinopathy (Dr. Shoryavardhan Azad), Ophthalmology/AIIMS

129. Role of low dose heparin eye drops on acute and chronic ocular cases of Steven Johnson syndrome (SJS) and its correlation with immune pathway gene expression. A randomised controlled trial" (ICMR September 2019 onwards), Ophthalmology Assessing the effectiveness of 0.01% HOCL interventions in managing Ocular surface disorders: Randomized trials on dry eye disease and meibomian gland dysfunction, ICMR

130. Role of neoadjuvant chemotherapy in ocularsurface squamous neoplasia-a prospective study, IRCH

131. ROSHINI: Pan India Initiative for Inclusive Comprehensive Eye Care Services- A multi centric approach, funded by Christoffel Blindenmission (CBM)

132. RPE IPSC for geographic atrophy, EyeStem

133. RPE IPSC for geographic atrophy, EyeStem

134. Structural and functional Changes with Occlusion therapy in Anisometropic Amblyopes using FMRI And Diffusion Tensor Imaging, NMR, AIIMS, New Delhi

135. Study of Ocular Microbial Flora in Contact Lens Wearers using Metagenomics, Ophthalmology

136. Sugar analysis in baby food-products (Dr. Harsh Priya), Centre for Dental Education and Research/AIIMS

137. Tear Film Concentration of Oral Antibiotics in Bacterial Keratitis Patients, Ophthalmology

138. The Global Retinoblastoma 2024 Study, IRCH

139. To assess the role of anti – VEGF as an adjunct in the management of post surgical endophthalmitis- a pilot study, Ophthalmology Assessment of accelerated corneal collagen Cross-linking as an adjuvant therapy in moderate to severe fungal keratits, Ophthalmology

140. To determine the concentration of Betel nut alkaloids and Catechins in current and past betel nut users and their association with pro-oncogenic cytokines and oral potentially malignant disorders (Dr. Shalini Gupta), Centre for Dental Education and Research/AIIMS

141. To estimate the levels of N-Carboxymethyl lysine, arginine and Di-tyrosine in autistic children. (Dr. Shefali Gulati), Pediatrics/AIIMS

142. To Study Clinicodemographic Profile and Treatment Outcomes of Retinoblastoma in the Current Era, IRCH

143. To Study Clinicodemographic Profile and Treatment Outcomes of Retinoblastoma in the Current Era, DM Thesis - BRAIRCH 2024

144. To study the effect of Vitamin C and Thiamine in patients with sepsis in Indian Population (Dr. Arvind kumar), Medicine/AIIMS

145. Topical human immunoglobin as adjunct therapy in dry eye disease (Professor M. Vanathi), Ophthalmology/ AIIMS

146. Transcriptome analysis to define novel Pathways in ACC and to correlate with clinical outcome, IRG Project

147. Understanding the role of noncoding RNAs in osteogenesis (ICMR project Co- investigator in collaboration with IGIB), IGIB Cell-free DNA as a potential molecular marker for retinoblastoma diagnostic and therapeutic approach., ICMR Clinical Efficacy of Topical Caspofungin and its Comparative Evaluation with Topical Natamycin Monotherapy in Fungal Keratitis, Ophthalmology

Completed

1. A pilot study to access the effect of timing of Gefitinib administration on blood levels in non-small cell lung cancer patients (Dr. Pooja Gupta), Pharmacology/AIIMS
2. Amino acid estimation in breast cancer patients (Dr. Pramod Gautam), Biochemistry
3. Analysis of anticancer activity of crude hydroalcoholic herbal extracts on prostate cancer cell line (Dr. PK Chaturvedi), Reproductive biology /AIIMS
4. Antifungal susceptibility testing in fungal keratitis, Ophthalmology
5. Antiseptic efficacy and plasma chlorhexidine levels following 2 different methods randomised trial (Dr. Ramesh Agarwal), Pediatrics/AIIMS
6. Biomarkers for bacteremia AMR and HAIs by NMR and LCMS/MS(Dr Hitendra Gautam), Microbiology/AIIMS

7. Cancer metabolism, H1299 cells, glucose & glutamate starvation (Prof Daman Saluja), Delhi university
8. Citrulline estimation in Celiac Patients (Dr. Govind Makharia), Gastro/AIIMS
9. Clinico-pathological significance of tumor biomarkers in serum, aqueous humor and tumortissue of intraocular retinoblastoma patients., IRG Collaborative project (Rs 20 lacs)
10. Comparative Evaluation of 26 Guaze Needle versus Kimura's Spatula for Corneal Scraping in Infective Keratitis: a Randomised Controlled Trial, Ophthalmology
11. Comparative evaluation of different formulations namely sonicated gel form, unsonicated drop and sonicated drop of liposomal Amphotericin B for the Treatment of Fungal Keratitis, Ophthalmology
12. Comparison of serum and vitreous biomarkers in patient of type-I and type-II diabetic mallitus with diabetic retinopathy (Dr. Shaurya), Ophthalmology/AIIMS
13. Correlation of surgical complexity and outcome with preoperative geometric parameters in MR urethrography in pelvic fracture urethral distraction defects: A prospective cohort study, Urology
14. Effect of yoga-based lifestyle intervention on oxidative stress, inflammation, vascular endothelial function and autonomic tone in diabetic retinopathy patients, Department of Physiology, AIIMS (Funded by AIIMS-Intramural Collaborative Research Grant)
15. Elucidating the role of environmentally exposed organochlorine pesticides in the pathogenesis of diabetic retinopathy,
16. Evaluation of corneal biopsy as a primary diagnostic tool in patients with keratitis on multiple anti microbials, Ophthalmology
17. Evaluation of Corneal Concentration of Antifungal Drugs and Its Correlation with Minimum Inhibitory Concentration (MIC) Values in Cases Undergoing Therapeutic Penetrating Keratoplasty, Ophthalmology
18. Evaluation of donor characteristics and graft outcomes of cornea transplant from multi-organ donors and cadaveric donors under HRCP, Ophthalmology
19. Evaluation of ocular Surface Microbial flora in eyes with contact lens wear, Ophthalmology
20. Evaluation of Retinol-palmitate ophthalmic suspension in severe dry eye (Dr. Rajesh Sinha), Ophthalmology/ AIIMS
21. Evaluation of the levels of topical atropine in aqueous humor and vitreous humor – A pilot study (Dr. Rohit Saxena), Ophthalmology/AIIMS
22. Genome-wide association study in an Indian cohort of patients with acquired aplastic anemia, Department of Hematology, AIIMS (Funded by American Society of Hematology)
23. Incidence of postoperative cognitive decline in elderly undergoing open surgeries under general anaesthesia using isflurane or deflurane : A prospective observational pilot, Anaesthesia
24. Infective orbital and periorbital diseases in the COVID-19 era, Ophthalmology
25. Long Term Change In Microbial Flora With Vectored Thermal Pulsation Treatment In Meibomian Gland Dysfunction-A Pilot Study, Ophthalmology
26. Micro RNAs as Novel Biomarkers for the prediction of corneal graft rejection, Ophthalmology
27. Millipore filter to prevent post-injection endophthalmitis: A Proof-of-Concept in-vitro study, Ophthalmology
28. Multi Centric study of Impact of exposure of Ultra Violet Radiation (UVR) & aerosol exposure on ocular health in India, ICMR
29. Pharmacodyanamic and pharmacokinetic interaction of the ayurvedic formulation (BGR-34) with glibenclamide in exper rats (Dr. Sudhir), Pharmacology/AIIMS
30. Pharmacokinetics & sedative effect of Dexmedetomodin sublingual & intranasal (Dr. Reenu Sinha), Ophthalmology/ AIIMS
31. Pharmacokinetics and Biodistribution studies of berberine and berberine loaded nanoparticles in animals (Dr. Pooja Gupta), Pharmacology/AIIMS
32. Randomized control trial of single dose oral Ivermectin in patients with COVID19 infection (Dr Anant Mohan), Pulmonary Med/AIIMS

33. Risk factors for failure of caffeine therapy in preterm neonates. Plasma caffeine & albumin level (Dr. Purna Chandra), Neonatology/AIIMS
34. Serum Benzathine Penicillin G levels in Indian Children and adolescence with Rheumatic heart disease (Dr. Dinesh Kumar), Pediatric Cardiology / RML
35. Study Of Tear Film and Ocular Surface Changes After Long Term Use Of Rose K Lenses In Patients With Keratoconus, Ophthalmology
36. To generate feasibility data (for human clinical trial) of Bio engineered cornea (for potential clinical application in keratitis patients) - An In-Vitro Study, AIIMS/IIT Delhi
37. To study Nilotinib Drug interaction with fatty acid meal (Dr. Ranjit Kumar Sahoo), IRCH/AIIMS
38. To study the effect of Vit-C and thiamine in patients with sepsis in Indian population, RCT. (Dr. Arvind), Medicine /AIIMS
39. Topical Posaconazole in fungal keratitis, Ophthalmology
40. Untargeted metabolomics in osteoporotimia model (Dr. RK Srivastava), Biotechnology/AIIMS

RESEARCH OVER PAST 3 YEARS

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	79	115	117
Total funding	Rs 4126.75 Lakhs	Rs 4974.95 Lakhs	Rs 5722.82 Lakhs

Publications

Journals: 280 **Abstracts:06** **Chapters in Book:9**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**351**	**270**	**295**

PATIENT CARE

A. General OPD, Casualty, Community services and Special Clinics

		New Cases	Old Cases	Total
1.	**General OPD**	161820	196281	358101
2.	**Emergency**	10874	40294	51168
3	**Special Clinics**	41519	159455	200974
4	**Community Ophthalmology Services**	84578	24463	109041
	Total	**298791**	**420493**	**719284**
	Details of Special Clinics			
a.	Cornea Clinic	4428	8340	12768
b.	Lens Clinic	616	2555	3171
c.	Uvea Clinic	1016	4621	5637
d.	Contact Lens Clinic	899	1072	1971
e.	Glaucoma Clinic	3766	12350	16116
f.	Ophthalmoplasty Clinic	2627	2226	4853

g.	Retina Clinic & Vitreo Clinic	5345	9687	15032
h.	Neuro-Ophthalmology Clinic	1896	2912	4808
i.	ROP Clinic	1536	3923	5459
j.	Ocular Oncology Clinic	403	801	1204
k.	Retinoblastoma Clinic	360	1046	1406
l.	Low Visual Aid	3236	2081	5317
m.	Orthoptic Clinic & Squint Clinic	8317	8088	16405
n.	Lasik	6456	16606	23062
o.	IRD Clinic	529	145	674
p.	Early Child Vision Development	89	30	119
q.	Refraction	0	82972	82972
Total Special clinic		**41519**	**159455**	**200974**

B. IPD (Inpatient department)		
1.	General Admissions	15575
2.	Casualty Admissions	2687
3.	Private Admissions	1322
4.	Short Admissions	17420
5.	Day Care Admissions	15848
	Total	**52852**
	Average Bed occupancy Ratio	74%
	Average length of stay	04 days
	Average No. of Indoor Admission per day	145 per day
C. Surgeries / Procedures		
1.	Major Surgeries	17796
2.	Day Care Surgeries	12722
3.	Smile Surgeries	1439
4.	Femto Lasik Surgeries	993
5.	PRK Surgeries	238
6.	PTK Surgeries	19
7.	Lasik Surgeries	908
8.	Minor Operations / Procedures	17602
	Grand Total of Major & Minor Surgeries	**51717**
	Average No. of Surgeries per day	142 per day
D.	**Miscellaneous**	
	Death	01

Casualty Services

Total number of cases seen in Casualty (new + old)	51168
Total number of new registration	10874
Total number of patients admitted in Casualty ward	2474
Minor procedures done in casualty operating room	561
Intravitreal injections done in casualty operating room	6237
Brachytherapy cases done in casualty operating room	13
Examination under anesthesia + procedure	1015

Investigative Lab

S. No.	Investigations & Procedures	Total
1	Tonometry (NCT + AT + Tonopen + Perkins + iCARE)	62323
2	IOL Work-up	44091
3	Refraction & Prescription of spectacles	88772
4	AR (Auto Refraction)	78081
5	Visual Acuity Assessment	34851
6	Posterior Segment Ocular Coherence Tomography (PSOCT)	46198
7	USG A Scan- Axial Length	12672
8	USG B Scan	34460
9	UBM	1092
10	Adaptive Optics	54
11	Flaremetery	74
12	Perimetery (GVF + HFA + MP)	13877
13	Electrophysiologcal Tests (VER + ERG + mfERG + EOG)	10016
14	Medical Board Investigations	2196
15	Fundus Auto-Flouresence	5720
16	Advanced/ Premium Contact Lens work-up (New + Old)	3387
17	Anterior Segment Photography	6585
18	Posterior Segment Photography	13329
19	ROP Workup	6563
20	Topography (VKG + Cassini + Sirius + I-Trace)	7865
21	Post Segment Laser	9005
22	YAG LASER	4720
23	Contrast Sensitivity	3359
24	OCT Angiography (OCT-A)	4748
25	Heidelberg Retinal Tomography (HRT-III)- Cornea	233
26	Electrocardiography (ECG)	2603
27	Colour Vision Assessments	5341
28	Fundus Angiography (Flouresence + ICG)	3743
29	Specular Microscopy	40302
30	Anterior Segment Ocular Coherence Tomography (ASOCT)	26983

31	Pentacam and Corvis	26201
32	Autolensometry (POG)	9897
33	Pachymetry (CCT)	28811
34	Ocular Surface Analyser (OSA)	2473
35	Orthoptics (New & Old cases)	16405
36	LIPI (View + Scan + Thermoflow)	2116
37	Revo 60 - Anterior & Posterior Tomography	393
38	Ocular Genomics & Proteomics Tests	169
39	Early Vision Development Lab	132
40	Low Vision Assessments	3000
41	Low Vision Services Investigations	14496
42	Refractive Surgery Lab Investigations	84147
43	Prosthesis Fitting	3000
44	Childhood Myopia Clinic (New + Old cases)	720
	GRAND TOTAL	**7, 65, 203**

Ocular Microbiology

S. No.	Diagnostic procedure	YEAR		
		2024–25	**2023–24**	**2022–23**
1.	Bacterial culture & sensitivity	13727	15577	13440
2.	Fungal culture	6215	6578	4960
3.	Specimens processed for cytology	4365	4110	3524
4.	Specimens processed for chlmydia ag detection using dfa	07	508	28
5.	Specimens processed for hsv ag detection using dfa	05	07	01
6.	Viral pcr for herpes simplex virus, adeno & coxsackie virus (conjunctivitis/corneal ulcer)	63	392	33
7.	Specimens processed for microsporidia	14	10	09
8.	Specimens processed for mycobacteria	23	17	12
9.	Culture for acanthamoeba	18	10	13
10.	Automated (bactec) culture for endophthalmitis	27	20	Nil
11.	Broad range pcr for endophthalmitis	05	08	Nil
TOTAL		**24469**	**27237**	**22020**

Ocular Biochemistry

Sr.	Tests Name	IPD	OPD	Total
1	Sugar (R, F, PP, GTT)	61	5030	5091
2	HbA1c	252	2744	2996
3	TBIL	572	3323	3895
4	DBIL	572	3323	3895
5	ALT or SGPT	572	3323	3895
6	AST or SGOT	572	3323	3895
7	ALP	572	3323	3895
8	TP	314	3208	3522

9	ALB	314	3208	3522
10	Creatinine (CRE)	587	3341	3928
11	Urea (UREA)	587	3341	3928
12	Uric Acid (UA)	587	3341	3928
13	Sodium (NA+)	587	3341	3928
14	Potassium (K+)	587	3341	3928
15	Chloride (CL-)	587	3341	3928
16	TCHOL	99	1529	1628
17	LDL – C	99	1529	1628
18	HDL – C	99	1529	1628
19	Triglyceride (TRIG)	99	1529	1628
20	Free T3	44	895	939
21	Free T4	44	895	939
22	TSH	44	896	940
23	Vitamin B12	04	688	692
TOTAL		**7855**	**60341**	**68196**

Ocular Pharmacology

A. Drugs fortified & compounded at the Ocular Pharmacy

DRUGS	Number of Vials (5 ml)
1.acetyl cysteine (10, 20%, 2.5%, 5%)	**289**
2. Amphotericin b (0.25%, 0.15%, 0.1%)	**221**
3. Betaxolol (0.25%)	**793**
4. Cefazolin (5%)	**2727**
5. Conc. Tobramycin (1.3%)	**6765**
6. Mitomycin (0.02%, 0.04%)	**87**
7. Pilocarpine (0.125%- 1%)	**85**
8. Polymixin b (10k-30k iu)	**313**
9. Vancomycin (5%)	**4959**
10. Timolol 0.25	**26**
11. Ceftazidine 5%	**515**
12.voriconazole (1%)	**1002**
13.gentamycin 1.3%	**14**
14. Amikacin (1.3%, 2.5%, 1.4%)	**224**
15. Linzolid 0.2%	**180**
16. Colistemethate 0.19mg/ml	**3**
17. Augmeutin 625mg – 1/3 sachet	**9**
18. Acetazolamide 30mg, 10, 25, 40, 50, 60, 80mg	**299**
19. Piperacillin 10%	**552**
20.interferon	**528**
21. Chlorhexidine 0.02%	**54**
22. Cefotaxime 5%	**2**

23. S. Flurancil 1%	**4**
24. Ceftriaxone 5%	**1**
25. Atropine 0.5%	**1**
26. INSULIN 1 IU/ml	**72**
27. Oxymetazoline 0.01%	**3**

B. Drugs dispensed to Patients directly (Free of Cost) &and also for Hospital use

DRUGS	Number of Vials
1. ARTIFICIAL TEARS	**26938**
2. CIPROFLOXACIN (0.3%)	**8473**
3. CYCLOSPORINE2%, 1%	**28**
4. EDTA	**56**
5. HOMATROPINE (2%)	**10699**
6. HYPERTONICSALINE (5%)	**4640**
7. METHYL CELLULOSE (2%) (30ml)	**642**
8. SODIUM ASCORBATE (10%)	**433**
9. SODIUM CITRATE (10%)	**436**
10. THIMEROSAL SOLUTION (0.005%)	**38 L**
11. TROPICAMIDE (1%)	**28119**
12. TROPAC+ PHENYLEPHERINE(0.5%+2.5% (ROP)	**9206**
13. GANCYCLOVAIR VIALS100MG	**264**
14. OLOPATADINE	**3125**
15. PHMB 0.02%	**120**
16. METHYLCELLULOSE 2%	**48 L**
17. ATROPINE 0.05%	**241**
18. PHMB 0.08%	**59**
19. LOSARTAN 0.08%	**206**

C. Kit & Other items dispensed (on demand)

DRUGS	Quantity	
1.ETHYLALCOHOL 20%	**540**	
2.GOLD CHLORIDE	**141**	**vials**
3.HYDRAZIN HYDRATE	**141**	**vials**
4.TPA (INJECTION, 1MG/ML)	**49**	**ampoules**
5.TIMOLOLMALEATEOINT. 0.5% ointment	**241**	**ointments**
6.VORICONAZOLE IN PARTS	**28**	**sachets**
7.IMEPENAM 1%	**2**	**vials**
8. IDEBENONE	**180**	**Capsule**
9. QUINIDINE SULPHATE 300 mg capsule	**300**	**Capsule**

10. POSACONAZOLE SUSPENSION (1%)	**35**	**Eye drops**
11. IGG	**37**	**Eye drops**
12. QUINIDINE SULPHATE 200MG. capsule	**700**	**Capsule**
13. ABSOLUTE ALCOHOL 100%	**4**	**Vials.**
14. PCM 500mg ¼ in parts	**21**	**Sachets**
15. QUINIDINE SULPHATE CAPSULE (400MG)	**700**	**Capsules**
16. Oxandrolone sachets	**69**	**Sachets**
17. T. VALMATA 500 mg 1/6 into parts	**6**	**Sachets**
18. TAB. FOLIC ACID 5mg into 1mg	**5**	**Sachets**

D. Sterile drugs dispensed

DRUGS	**Quantity**	
1.BOTOX	**391**	**Ampoules**
2.BEVACIZUMAB(AVASTIN)	**4051**	**Ampoules**

E. Biologicals dispensed

ITEMS	**Quantity**	
1. AUTOLOGOUS SERUM	**69**	**vials**

F. National Service

ITEM	**No. of vials (10 ml)**
LONGER CORNEAL STORAGE MEDIA supplied to 114 Govt eye banks in 24 states in India	**3167**

Ocular Radiology:

Item	**2022–2023**	**2023–2024**	**2024–2025***
Number of X rays	5267	4998	3922
Number of CTs	1995	3122	1132
MRI	Done in NMR and Radiology Department		

Ocular Pathology

2022–2023	**2023–2024**	**2024–2025**
Total number of Investigations - 86083	**Total number of Investigations - 79061**	**Total number of Investigations - 73943**
Blood – 58639 Urine - 314 Cyto + Cyto research - 1683 Histo + Histo research- 23953 IHC - 1494	Blood –52728 Urine -280 Cytopat + Cytopath research -1249 Histopath + Histopath research-23377 IHC-1427	Blood –41038 Urine -295 Cytopat + Cytopath research -1006 Histopath + Histopath research-30062 IHC - 1542

National Eye Bank

Total Collection of Cornea	**1896**
Total Utilization for Cornea Transplantation	**1536**
Total Number of Corneal Transplantion Surgeries Performed form 01 April 2024 to 31 March 2025	
TYPES OF KERATOPLASTY	NUMBERS
OPTICAL PENETRATING KERATOPLASTY	442
THERAPEUTIC PENETRATING KERATOPLASTY	762
DSAEK	172
TRIPLE PROCEDURE	149
DMEK	24
LAMELLAR KERATOPLASTY	66
TOTAL	**1615**

PK REGISTRATION RECIPIENT WAITING LIST AS PER RECORD MAINTAINED IN NATIONAL EYE BANK TILL 04 February 2025

Category	Patients	Recipients for Keratoplasty	Total No. of patients waiting
Emergency	Children below 10 years of age	Upto till registration no-E 4403 and registration date 129 April 20241	142
Top Priority	Bilateral blind patients with progressive corneal disease suitable for EK	Upto till registration no. TP-17960 and registration date (30 June 20241	494
Priority	Bilateral corneal disease with better eye BCVA <6/60	Upto till registration no. P- 5802 and registration date (29 May 20241	203
General	Patient >10 years of age with unilateral corneal blindness .	Upto till registration no. G-18631 and registration date (29 February 20241	421

Medical Social Welfare Unit

Donation Received From Various donors from 1STApril, 2024 to 31ST March 2025	
Categories/Sources	Amount Received(in Rupees)
Donation received through Donation Boxes	Rs 2,15,780-00
Donation received through various donors	Rs 5,30,063-00
Donation received Through Anonymous Donors	Rs 18,000-00
Total Amount Received	Rs 8,12,189-00

S.No	Categories	Total Number of Cases	Total Amount in Rupees
1	Free Medicines For Poor and Indigent Outdoor (OPD) Patient Through Poor Patient's Fund	88	90414-00
2	Free Spectacles Provided Through Poor Patients Fund	61	46558-00
3	Free Surgeries through Consultations	60	1141125-00
4	Exemptions of Hospital and investigation Charges(IPD&OPD)	1906	1202971-00

5	Counseling regarding financial assistance through various govt. schemes	616	
6	Patients helped under Rashtriya Arogya Nidhi	8	952427-00
7	Beneficiaries under Janani Shishu Surkshaa Karyakaram	1721	9039676-00
7	Beneficiaries under Ayushman Bharat-PMJAY	3000 (Approximately)	3, 00, 00, 000-00
8	Patients helped through Direct Donations	30	173233-00
9	Railway Concession Certificates Issued as per govt. Rules	598 (Permanent- 157, Temporary- 441)	
10	Number of patients who received assistance for injections (Adalimumamb and Ranibizumab) through JIV DAYA Foundation till 01 January 2025	70	7, 00, 000-00
11	No. of Free Cataract Surgeries	58	--
12	Coordination of EHS beneficiaries	930	29210851-00
13.	No. of Case assistance provided through NGO CANKIDS	41	300000-00
	Total number of patients	9187	Rs 7,28,57, 255

Community Ophthalmology Services

S.No	Activity	Total
I. Total number of patients seen in community ophthalmology services		**164879**
1.	Number of patients in RPC vision centre (20)	78390
2.	Number of patients in Satellite vision centre (7)	22008
3.	Number of patients in Satellite low vision clinic	1835
4.	Number of patients in RPC low vision clinic	2209
5.	Number of patients in RPC low vision rehabilitation clinic	3071
6.	Number of patients seen in Camps	7534
7.	Number of patients seen in DR Camps	3779
8.	Number of children screen under school vision screening programme	9951
9.	Number of patients seen in RAAVI survey	36102
II. Eye Health Education		
1.	Eye Health Education Events Organized (RPC VC, Satellite Centre, RPC ward)	1490
2.	Number of Volunteer's Trained in Training Programme (RPC VC, Satellite Centre, RPC ward)	556

Primary Eye care Services	
Primary Eye care Clinics	20
Attendees at PEC Counters' in Slums Cluster	79499
Refraction carried out in PEC Centres in slums Cluster	33963
Spectacles prescribed in Slums	30208
Patients referred to R.P. Centre	7924

Primary Eye Care Volunteer training events	
Volunteers Training Programme organized	46
Volunteers Trained	519
Eye Health Education Events- Community	
Eye Health Education Event conducted	1120
Participants in the Health Education events	31924
Eye Health Education Events- RP Centre	
Eye Health Education Event conducted	247
Participants in the Health Education events	5880
Reach-in-Programme for cataract surgery in Rural and remote areas	
Adult screening camps organized	71
People examined	7534
Patients referred at R.P. Centre	402
School Eye Screening Programme	
School covered under SES Programme	16
Numbers of Children screened	9573
Children prescribed spectacles	118
Diabetic Retinopathy Screening Camps	
Total number of DR screening camps organized	210
Diabetic patients screened in camps	3779
Total DR Patients referred to R.P. Centre	521
Patient Reported for treatment at Dr. R.P. Centre under Community Ophthalmology	
Total Patient Reported under community ophthalmology:	2694
Total Patient Operated for cataract surgeries under community ophthalmology	2141
Patients examined in Follow-up camps	1253
Rehabilitation Services in Community Ophthalmology	
Patients are registered for rehabilitation services.	3071
Patient's admission done for vocational training.	17
Patients are benefited for ADL training.	571
Patients are benefited for Mobility training.	525
Children's successfully admission done in special school.	26
Patients are make visual disability certificate in AIIMS and counselling for the benefits of visual disability certificate.	943

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Radhika Tandon was appointed as Honorary Advisor (Ophthalmology) for implementing the National Programme for Control of Blindness and Visual Impairment (NPCB&VI) in the Ministry of Health and Family Welfare. Included in the Stanford list of World's Top 2% Scientist 2024. Organized Netra Kumbh 2025 at Prayagraj, Uttar Pradesh from 12 January 2025-26 February 2025. Appointed as Member by Prime Minister's Office, Prime Minister National Relief Fund for the Committee to identify the deserving cases left out of fortnightly computerized draws for grant of financial assistance from Prime Minister National Relief Fund (PMNRF) to partially defray the expenses for medical treatment. Appointed as Member for the Centralized Core Research Facility, Research Section. Coordinating Artificial Intelligence Applications in Ophthalmology, Ministry of Health and Family Welfare. Awarded as HOS IKON by 19th Annual Conference of Haryana

Ophthalmological Society, dated 25 January 2025. As Distinguished Speaker on Talk "AI Applications in Ophthalmology" during A Stakeholder Meeting on 'Leveraging Digital Health and Data Science. Technologies for Universal Health Coverage in India organized by ICMR- National Institute for Research in Digital Health and Data Science (ICMR-NIRDHDS), New Delhi, dated on 15 February 2025. Awarded Appreciation award and Gold Medal for outstanding contribution to the field of Ophthalmology by Bombay Ophthalmologists' Association (BOA) in BOA Focus 2024. Awarded Late Dr. Neelima Pawade Lifetime Achievement Award by Vidarbha Ophthalmic Society in JALSA'24-49th Annual Conference of VOS. Awarded ISCKRS G Mukerjee Oration Award by Indian Society of Cornea and Kerato-Refractive Surgeons (ISCKRS) in ISCKRS Meet 2024. Appointed as a Member in Clinical Advisory Board (CAB) by Akhand Jyoti Eye Hospital for three years, contributing towards the achievement of Vision 2030 Goals. Appointed as Chairperson for Compliance Monitoring Committee for Ensuring Effective Implementation of Collegium System. (Ref. F.No.40-30/2025-Estt. I dated 29 January 2025). Awarded AIOS R.P. Dhanda Award, 2024 (Joint Winner) by All India Ophthalmological Society (AIOS). Awarded Dr. S.N. Mitter Oration Award by Delhi Ophthalmological Society (DOS) in 74th Annual DOS Conference 2024. Awarded Best Team Runner UP Award by Delhi Ophthalmological Society (DOS) in 74th Annual DOS Conference 2024. Awarded Teacher of Teachers Award on the occasion of Seventh National Assembly of FOTI-2024 at Dr. R. P. Centre for Ophthalmic Sciences, AIIMS New Delhi. Awarded Certificate of Appreciation for her role as Organising Committee, FOTI-2024 (Seventh National Assembly of Forum of Ophthalmology Teachers of India & Pan India HOD Ophthalmology Group) by FOTI at RP Centre, AIIMS, New Delhi. Awarded Grand Prize Winner FIFA Film Festival of AIOC by All India Ophthalmological Society (AIOS) at 2nd Mid-Term Conference, VISAKHAPATNAM. Awarded Best Video - Anterior Segment Award by All India Ophthalmological Society (AIOS) at 2nd Mid-Term Conference VISAKHAPATNAM. Awarded Best of IJO Certificate 2023 to Mukhija R, Vanathi M, Verma M, Raj N, Gupta N, **Tandon R.** *Comparative evaluation of intraoperative aberrometry and Barrett's toric calculator in toric intraocular lens implantation*. Indian J Ophthalmol. 2023; 71:1918-23 which was adjudged as one of the best publications in Indian Journal of Ophthalmology during the year 2023 by All India Ophthalmological Society (AIOS) & Indian Journal of Ophthalmology (IJO).

Professor Rajpal received ACOIN Award, Rohtak. Judge: JM Pawa Award. Chairman in Retina Session in AIOS, 2024.

Professor Namrata Sharma "First Dr. Paul Dubord Award for international Eye Banking" by "The Global Alliance of Eye Banking Associations (GAEBA)" at the Asia Cornea Society meeting Jakarta (2024). Certificate of Appreciation from Asia Pacific Academy of Ophthalmology (APAO) in recognition of the services to the academy (2024). Elected as a member of the Afro-Asian Council of Ophthalmology in the year 2024. Elected Treasurer of Asia Pacific Academy of Ophthalmology in the year 2025. Inducted as the Council member of the Asia Cornea Society (ACS) from India in the year 2024. Awarded "Global Excellence Award in. Ophthalmology" by the M M Joshi Eye Institute- Eye Fest (2025). Awarded "Best Poster Presentation" for 'Clinical evaluation of cross-linking of donor corneas following therapeutic keratoplasty' at National Biomedical Research Competition (NBRCOM), 2024 at AIIMS. Awarded the "Susurta award" by FOTI Forum of ophthalmic teachers in India. (2024). Chairperson Scientific Committee, All India Ophthalmological Society (AIOS) (2023-2026). Treasurer of Asia Pacific Academy of Ophthalmology (2025). Co-Chair, Scientific Program Committee, Asia Pacific Academy of Ophthalmology (APAO) (2025). Webinar Convenor of APAO Congress Standing Committee (2025). Immediate Past President, Cornea Society of India (2022-2024). Vice President, Eye Bank Association of India (2023-2025). Deputy Secretary General, South Asia Academy of Ophthalmology (2022- till date). Chairperson Scientific Committee, Indian Society of Cornea and Keratorefractive Surgeons (ISCKRS). Regional Secretary of APAO (2018-2024). Council member of Asia Cornea Society (2024- till date). Chairperson, National Eye Bank (2025). General Secretary, Ophthalmic Research Association (ORA), Dr. R. P. Centre, AIIMS. In-charge, Unit-IV, Cataract, Cornea & Refractive Surgey Services, Dr. R. P. Centre, AIIMS (2021-till date). Chairperson, Academic & Research Committee, Dr. R. P. Centre, AIIMS (2021-2024). Chairperson and In-charge OT, Operation Theatre Committee (Main OT & Day Care), Dr. R. P. Centre, AIIMS (2021-till date). Co-Chairperson, Infection Surveillance & Monitoring Committee, Dr. R. P. Centre, AIIMS (2021-till date).
Executive Member of Women Ophthalmic Society (WOS), Cornea Society of India (CSI) and Intraocular Implant and Refractive Society of India (IIRSI). Ex- General Secretary, All India Ophthalmological Society (2017-2023). Ex Secretary, Delhi Ophthalmological society (2007-2009, Rs 2019-2021). Ex Secretary, Eye Bank Association of India (2016-2021) Ex Treasurer, South Asia Academy of Ophthalmology (2008-2018). Has been the principal investigator in many multicentric international, FDA trials, and numerous randomized controlled clinical trials, which have changed the clinical practice patterns in the field of Cornea, Cataract & Refractive Surgery.

Professor Tanuj Dada Appointed to Board of Governors World Glaucoma Association. Appointed to Board of Directors Asia Pacific Glaucoma Society. Executive committee International Society Glaucoma Surgery. Scientific Program committee chair Asia Pacific Glaucoma Congress. Scientific program co-chair World Glaucoma congress. Chairman for scientific education Asia Pacific Glaucoma Society. Member education and consensus committees of World Glaucoma Association. Scientific co-ordinator Glaucoma for Asia Pacific Academy of Ophthalmology. Program planning committee member World Ophthalmology Congress. Awarded membership of prestigious Glaucoma Research Society. Member Examination Committee International Council of Ophthalmology. Editor - in - Chief Journal of Current Glaucoma Practice. Associate Editor Journal of Glaucoma. Editorial Board Member American Journal of Ophthalmology.

Professor Noopur Gupta Global expert from India for PBKC Study Group in the field of pediatric and ocular surface disease, to participate in an International Delphi Method Consensus Study on Pediatric Blepharokeratoconjunctivitis (BKC) with an aim to unify the definition, diagnostic criteria and therapeutic outcomes. Jury member and Judge for the Annual awards for member hospitals of India under Vision 2020: Right to Sight, India. Global expert and member of the Public Awareness Subcommittee on Dry Eye for TFOS Workshop, entitled "A Lifestyle Epidemic: Ocular Surface Disease." This Workshop is one of the most recent initiatives of TFOS, which was created to advance the research, literacy, and educational aspects of the scientific field of the tear film and ocular surface. Awarded President's Gold Medal for dedicated and lifelong commitment to community eye health in Indian subcontinent at ACOIN 2024. Launched a novel AI-powered smartphone app to combat corneal blindness. As key ophthalmologist and part of the National Core team to work on submitting dossier to help in obtaining validation from WHO for trachoma elimination from the country. Nomination as the Consulting Editor for Community Eye Health Journal for SEARO, and being appointed as Consulting Advisor for the journal while serving as a Board Member of South Asia Advisory Committee. Expert at the Leadership Exchange on Public Private Partnership for Clear Vision India in an effort to reduce the burden of visual impairment due to refractive error. Nominated as Ophthalmology Expert for Project Review Committee Meeting for the field of Ophthalmology for reviewing intermediate grants, ICMR fellowships and extramural projects under Clinical Studies and Trials Unit (CSTU), ICMR Expert for developing recommendations for global elimination of trachoma and assessing outcomes of corneal transplantation eliminating corneal blindness due to trachoma as WHO Global Trachoma Expert. Invited by WHO headquarters as an expert in the field to develop and finalize the survey protocol for assessing effective cataract surgical coverage (eCSC) and effective refractive error coverage (eREC) as indicators for universal eye health coverage and integrating hearing indicators globally. Training of trainers for TT survey, India with experts from WHO headquarters, regional and India office along with tropical data team and global trachoma mapping project at ICEH, London, UK. As a national expert, for developing guidelines and providing expert inputs to Ayushman Bharat scheme and Niti Ayog packages under Department of Health Research, Govt of India. Expert for the National Monitoring Committee for monitoring and developing National guidelines and modules for elimination of trachoma from the country. Development of ODK online forms for mobile capture of images (mHealth) and data related to prevalence of visually impairing corneal opacities. Expert for the Central Task Force at national level for policy planning and strategy for implementation for elimination of Trachoma from the country by the year 2020 by the Ministry of Health and Family Welfare, Directorate General of Health Services, Government of India. Expert Reviewer Survey manual on WHO Sensory Functions Survey Manual in collaboration. With Vision and Eye Care Programme, World Health Organization, Geneva. Expert for the National Monitoring Committee for monitoring and reporting of Trachoma cases in states for elimination of Trachoma from the country by the year 2020 by the Ministry of Health and Family Welfare, Directorate General of Health Services, Government of India. Consulting Advisor for Community Eye health Journal for the SEARO Region as a Board Member of South Asia Advisory Committee.

Professor Rohit Saxena Patent: A new method for continuous evaluation of 3D motion perception and a system (Patent ID: 202211066151 A, issued patent office journal no. 21/2024 dated 24 May 2024. Appointed President of DOS 2024-2025. Currently Secretary of Indian Neuro Ophthalmology Society. Chief Speciality Editor for Paediatric Ophthalmology and Strabismus section for journal "Frontiers in Ophthalmology". Ongoing collaborative research with 7 departments of AIIMS: Medicine, Neonatology, Pediatrics, Anaesthesia, Radiology, Neurology, NMR. Member of the specialty Subcommittee (Neuro Ophthalmology) of the Collegium of the AIOS Member for FAICO Advisory Board –Pediatric Ophthalmology, Uvea & Neuro-Ophthalmology. Editor of the AIOS Dynamic E-book, Member Secretary Ethics Committee AIIMS. Member, Ethics Committee, Delhi University. Member, Dean Research Committee, AIIMS Delhi. Member Subject Expert Committee DCGI, for clinical trials, new drugs and devices. Subject advisor Technical Committee constituted to monitor clinical trials, DGHS. Member ICMR committee for regulatory applications.

Professor Rajesh Sinha Best of Show Award at the American Academy of Ophthalmology Meeting 2024. Presidential Gold Medal from KOSKON. Gold Medal from BOA. Dr P K Jain Oration at Annual Conference of DOS.

Dr Shorya Vardhan Azad received Best of IJO Award – 2025. Comparative evaluation of October with OCTA changes at the optic disc and macula in glaucoma suspect and early glaucoma. Indian Journal of Ophthalmology 73(Suppl 2):p S260-S266, March 2025. Best of IJO Award – 2024. Ultra-wide field retinal imaging: A wider clinical perspective. Indian J Ophthalmol. 2021 Apr;69(4):824-835. Invited Guest Faculty – MGM – CME: Cataract & Retina on 22 September 2024 at MGM EYE HOSPTIAL, Raipur, MP. NBEMS – National Faculty – Retina - FNB Training - 2022-till date. Reviewer – Free Paper - APVRS, 2024. Asia Pacific Paediatric Retina Association (APPREA) – Core Committee. Internal Examiner - MD in Ophthalmology- Examination Section, AIIMS, New Delhi–May 2024. Faculty Co-Incharge, Bachelor of Optometry–May–December 2024. AIOS-FAICO–Examiner 2024-2025.

Dr Devesh Kumawat was Assistant editor, Delhi Journal of Ophthalmology. Awarded Early Career Intramural grant by AIIMS for the year 2024-2025.

Dr Ashish Markan received 1st Prize in Entod Quiz at AIOC 2024. Apao Young Influencer Award 2024. Yosicon Young Influencer Award 2024. Awarded fellowship of All India ophthalmic society in uvea (FAICO Uvea) in 2024. Awarded Gold Medal in FAICO uvea 2024. Best paper presentation at Bridge retina congress 2024, Alexandria, Egypt.

Dr Manpreet Kaur Received Rising Star Award- 43rd Annual Meeting of Karnataka Ophthalmic Society Annual Meeting. (KOSCON 2024), 22-24 November 2024. Udupi, Karnataka. Runner Up- KOS Ophthalmic Premier League-43rd Annual Meeting of Karnataka Ophthalmic Society Annual Meeting. (KOSCON 2024), 22-24 November 2024. Udupi, Karnataka. Winner- Challenging cases symposium. ROSCON 2024 Annual Meeting. 8-10 November 2024. Udaipur, India. Best Team, Audience choice. Rajasthan Premier League, ROSCON 2024 Annual Meeting. 8-10 November 2024. Udaipur, India. Best video (cataract)- Rajasthan Premier League, ROSCON 2024 Annual Meeting. 8-10 November 2024. Udaipur, India.

Dr Sridevi Nair was Awarded the "Young Ophthalmic Teacher Gold Medal" at the Annual FOTI Conference, 2025 held on 11 January 2025, in Chandigarh

Professor T Velpandian received 'Pioneering Scientist of the year Award' by Economic Times on 8 February 2025 at Mumbai. Member, Ethics Committee (Basic Sciences), AIIMS (2016- till date). Member (Pharmacologist) Institute of Home Economics, Delhi University. (2019-till date). Member (Pharmacologist) South Asian University, New Delhi (2020- till date). Member (Pharmacologist) INMAS, DRDO, Delhi (2019- till date). Member, Animal ethics committee -South Asian university, New Delhi (2016- till date). Member -ICMR Task force on Innovations and Translational research- 2018-till date. Member, Bio-Hazard panel of FSSAI (GOI), FDA Bhawan, New Delhi 2017- till date (second term). Expert Member in Project Monitoring committee – BIRAC 2019-till date. Chairman – Quality control committee- Main Hospital Store-AIIMS. Member- Dean Research Committee. Member- PRG Review Committee, ICMR. Member- Scientific Advisory Board, National Dope Testing Laboratory. Member- Committee for setting up optometry college at AIIMS. Member- Technical Advisory Committee, ICMR. Member- Project Screening Committee (PSC), ICMR. Expert- Faculty Interview Panel, Nepal.

Professor Nabanita Halder received Innovation Award for the title 'Natasol, a water soluble sterile natamycin formulation for fungal keratitis' on 30 January 2025 on 4th Research Day at AIIMS, New Delhi.

Dr Gayatri Suresh, post-doc student of the division received Young Faculty prize in the "Environmental Pharmacology and Toxicology" category at IPSCON, 28-30 December AIIMS, New Delhi.

Ms Ananya Tuli, PhD student of the division received Young Researcher Award at Fifth Science Conclave-cum National Biomedical Research Competition, Society of Young Biomedical Scientists, AIIMS, New Delhi, India; 1-3 December 2024.

Ms Ananya Tuli, PhD student of the division received Young Pharmacologist Award at International Pharmacology Conference (IPC) and 54th Annual Conference of the Indian Pharmacological Society, All India Institute of Medical Sciences, New Delhi, India, 28-30 November 2024.

Mr Tapas Kumar Roy, PhD student of the division received Best Oral Presentation at NBRCOM 2024, AIIMS, New Delhi, India (1-3 December 2024).

Dr Sanjaay Sharma Awarded Gold Medal by the Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR) in May 2024 for outstanding contributions in the field of Interventional Radiology.

Dr Neelam Pushker Selected for the award of FAICO (Honorary) in the specialty of "Oculoplastic Surgery" by the Governing body of the AIOS held in March 2025. Received the 'Best Paper Award' at the South Asian Academy of Ophthalmology International Conference 2024 on the paper on 'Auricular skin-cartilage graft in eyelid deformity – Indications & outcomes' as the presenting & first author. Received the 'Outstanding Ophthalmology Teacher of India Award' by the 'Forum of Ophthal Teachers of India (FOTI)' at the 8th National Assembly (FOTI) in Chandigarh, 2025. Keynote address on, 'Unfolding the indications & technique of skin-cartilage graft in eyelid deformity' at the Midterm Oculoplastic Association of India Conference, Chandigarh, 2024. Section Editor – Oculoplasty Section of the Indian Journal of Ophthalmology and Delhi Journal of Ophthalmology. On the Editorial Advisory Board of Haryana Journal of Ophthalmology. Chairperson in the session on 'Oculoplasty & Ocular Oncology in the All-India Ophthalmological Society-ARC Program held in AIIMS, June 2024. Chairperson in the session on Oculoplasty in the Mid-term AIOS conference held in Dehradun October 2024. Evaluated 5 MD/MS theses (Ophthalmology) from the University of Delhi South Campus & PGI Chandigarh.

Dr Rachna Meel IJO reviewer commendation certificate 2024. Best of IJO (Original Article - Oculoplasty) Certificate award for the year 2024 forTumor DNA sampling from aqueous humor in retinoblastoma–A report from South Asia. IJO Appreciation certificate for Targeted orbital intervention in the management of sino-orbital mucormycosis cases. Indian Journal of Ophthalmology 72(10):p 1488-1494, October 2024.

Dr Rebika "Young Ophthalmic Teacher Gold Medal" 2024 at FOTI Chandigarh in January 2025. IJO reviewer Commendation Award 2024 in APAO- AIOC 2025 New Delhi. Recipient of Appreciation certificate in APAO- AIOC 2025 New Delhi for original article published in IJO "Biomechanical properties of cornea and ocular aberrations in myopic eyes. Indian Journal of Ophthalmology 72(4):p 538-543, April 2024" Co-author for best Oral free paper award on AIIMS Institute Day 2025. Co-author for best oral free paper award in DOS Midterm Conference 2024. Associate Editor, Frontiers of Ophthalmology-"Paediatric Ophthalmology & Strabismus" section; Section Editor in Indian Neuro-ophthalmological Society (INOS) newsletter.

Dr Sahil Agarwal Admitted as Member of European Society of Ophthalmic Plastic and Reconstructive Surgery. Awarded with the Young Ophthal Teachers Gold Medal at 8th Annual FOTI Conference at PGI Chandigarh.

Viney Gupta Comparison of Outcomes of GATT and GDD in vitrectomised patients with Glaucoma. Meghna Ganesh, Baiju Virani, Anurag Kumar, Arnav Panigrahi, Pawan Saini, Shivam Pandey, Viney Gupta, Shikha Gupta. Free paper presented in GSI 2024 Pondicherry. Adjudged as the best paper in the session. A comparative trial between phacoemulsification and trabeculotomy for glaucoma in nanophthalmos. K. Tanya, M Ganesh, Viney Gupta, Shikha Gupta. Poster presented in GSI 2024 Pondicherry. Adjudged best poster. A comparative analysis between phacoemulsification with MIGS vs trabeculectomy for early onset PACG. Prannya Arora, Viney Gupta, Shikha Gupta. Won the best paper in Winter DOS, Ashoka, Delhi.

Professor Parijat Chandra received Best Case Award. Shakha, Chandra P. Challenges after bilateral iatrogenic development following Anti-VEGF injections in Retinopathy of Prematurity. Retina Summit 2024 & 8th IROP annual meeting. Chennai [11-13 July 2024]. AIIMS excellence award – Third Prize (2025). Role of fluorescein angiography guided laser treatment in aggressive retinopathy of prematurity. Chairman. Session 1: Uvea &Vireoretina. AIOS ARC PG refresher course, AIIMS Delhi [14-16 June 2024]. Panelist – ROP Surgical Session. Retina Summit 2024 & 8th IROP annual meeting. Chennai [11-13 July 2024]. Co-Chair – Retina session – ROP Masterclass, UPCON 2024, Meerut [29-1 December 2024]. Chair. ROP Awareness session. Empowering Vision: Global Advances in Eye Care. Indian Habitat Centre, Delhi [31 January 2025]. External Examiner Thesis (MS Ophthalmology). PGIMER Chandigarh. (April 2024, November 2024). External Examiner Thesis (MS Ophthalmology). Delhi University. (August 2024). External Examiner Thesis (MS Ophthalmology). PGIMER Chandigarh. (November 2024, February 2025, March 2025). Member, Editorial Board. Indian Journal of Ophthalmology (2023 -). Member Technical Expert Group – National ROP Task Force for prevention of Blindness due to ROP. Under MOHFW, GOI

Professor Rohan Chawla Editor in Indian Journal of Ophthalmology, Retina section.

Professor Vinod Kumar Cover page IJO Angioma. Cover page of Ophthalmology disc coloboma. Awarded Mentor of the year at YOSICON 2024, 28 April Delhi.

Dr **Shika Gupta** Comparison of Outcomes of GATT and GDD in vitrectomised patients with Glaucoma. Meghna Ganesh, Baiju Virani, Anurag Kumar, Arnav Panigrahi, Pawan Saini, Shivam Pandey, Viney Gupta, Shikha Gupta. Free paper presented in GSI 2024 Pondicherry. Adjudged as the best paper in the session. A comparative trial between phacoemulsification and trabeculotomy for glaucoma in nanophthalmos. K. Tanya, M Ganesh, Viney Gupta, Shikha Gupta. Poster presented in GSI 2024 Pondicherry. Adjudged best poster. A comparative analysis between phacoemulsification with MIGS vs trabeculectomy for early onset PACG. Prannya Arora, Viney Gupta, Shikha Gupta. Won the best paper in Winter DOS, Ashoka, Delhi.

Dr Dewang Angmo APGS Young Investigator Award 2024. WOS International Award Winning Presentation 2024. GSI Best video Award During Glaucocherry 2024. International Ophthalmic Heroes of India, Jharkhand Ophthalmic Society 2024. Mentor for Best Paper in interesting cases, Midterm DOS 2024. Mentor for Best presentation in ophthalmic challenging cases, Midterm DOS 2024. FOTI 8th Annual National assembly, Outstanding Ophthalmic Teacher of India 2024 Award. Conducted two CMEs – GIEP in Jammu & Karnal. Organised glaucoma awareness week 9-15 March 2025 in association with GSI – conducted patient awareness walk & talks with expert. Reviewer for few Indexed International & National journals.

Dr Anu Malik Award for Women Ophthalmologists Society Upcoming leader 2024. Completed the Induction ceremony of the AIOS Leadership Development Program. Elected as a Delhi Ophthalmological Society Executive member (2024-2026). Organising secretary for Delhi Ophthalmological Society Subspecialty Day Program, June 2024. Organising Secretary of the Annual Conference of the Women Ophthalmological Society, 2024. Organised and hosted National Eye Bank Fortnight Celebration, September 2024. Internal Examiner of the Board of Examiners for Bachelor of Optometry at Dr R P Centre, AIIMS. Inducted as the Section Editor, Cataract section for Delhi Journal of Ophthalmology, 2024. Inducted as the Managing Editor for Delhi Ophthalmological Society Times Journal, 2024.

M Vanathi ISCKRS Excellence Award for Outstanding Contribution in Cornea Achievement award AIOS 2020- 2024. Elected Editor Indian Journal of Ophthalmology 2023-2026. Best of Session Award–Biennial Meeting of the Asia Cornea Society 2024.

Dr Neiweti Lomi Indian Journal of Ophthalmology (IJO) Ocular Oncology Section Editor. Runners up winner free paper on 'Perilesional Injections Versus Topical Interferon Alpha- bin Ocular Surface Squamous Neoplasia' at 17th SAO conference in Bhutan 21-23 September 2024. Disinsert, retract and rotate technique of plaque brachytherapy. Indian Journal of Ophthalmology 72(2):p 303, February 2024. having been adjudged as the recipient of the IJO appreciation certificate. Identifying causes of vision loss and assistive technology needs among patients attending the rehabilitation clinic of a tertiary care centre in North India. Indian Journal of Ophthalmology 72(4):p 520-525, April 2024. having been adjudged as the recipient of the IJO appreciation certificate. Reviewer commendation certificate of IJO for the year 2024.

Jasbeer Kaur was Examiner Ph.D viva-voce: King George's Medical University, Lucknow. Invited speaker/Resource person in International/National conferences. ISGBRD Fellow (FISGBRD), Indian Society of Genetics, Biotechnology Research & Development. Reviewer (Research project): Department of Biotechnology, Ministry of Science & Technology, Govt. of India. Editorial Board Member: Journal of Ophthalmology Open Access; Journal of Ophthalmology and Vision; Annals of Clinical Oncology; International Journal of Hematology and Blood Research; Annals of Stem Cell Research. Reviewer (PubMed Indexed Journals): Experimental Eye Research; International Journal of Ophthalmology; Current Aging Science; International Ophthalmology. Member (i) Executive Committee, Biotechnology Society of India (ii) Central Ethics Committee (CEC) of CCRAS (Ministry of AYUSH). CEC is registered with NECRBHR, DHR. (iii) Institutional Ethical Committee, CARI (under CCRAS), New Delhi (iv) Indian Association for Cancer Research. (v) Institute Biosafety Committee (IBSC), V.P. Chest Institute, University of Delhi.

Praveen Vashist All India Ophthalmic Society – K R Dutta Award for the work in community Ophthalmology during the period 2021-2024. Expert member for the Central Advisory Committee (CAC) for the National Blindness & VI Survey under NPCB& VI MoH&FW. Member of a central task force committee at national level for assessing elimination of Trachoma cases from the country. Member of the National Task force on Retinoblastoma under MOH&FW. As a Member for Meeting for formation of National task force on Inclusive eye health under MoH&FW on 30 September 2024 at Nirman Bhawan, New Delhi. Member of the ICMR screening committee for selection for the post of Scientist (Medical). Member of AIOS Vision 2030 Committee. Secretary of Vision 2020 Right to Sight- India. Chairman Award Committee of ACOIN. Professor In charge, Recruitment cell, AIIMS New Delhi. Nominated for as a Central Public Information Officer, Central Assistant Public Information Officer & First Appellate Authority for Recruitment cell AIIMS. Member of a committee for assessment of proposal for standing finance committee received from various departmental for creation of posts. Honored by CMC Ludhiana for being the executive member of Vision 2020- The Right to Sight India. Awarded certificate of Excellence in community Eye Health Service 2024 in recognition of the outstanding, dedicated & sincere commitment towards beyond the border in NNJS-ACOIN-Indo Nepal Friendship International CME 2024 from 13-14 April 2024 at Thamel Kathmandu, Nepal. Chaired session on collaborations for achieving SPECS 2030 implementation in Assam in SPECS 2030 Strategy Workshop at Guwahati Assam. Chaired session on presentations by various SPOs on their state NPCB&VI activities in the National Review meeting of the National Programme for Control of Blindness and Visual Impairment on 19 September at Hotel Park, New Delhi. Chaired the session on Community Ophthalmology: Paediatric Ophthalmology and Squint in South Asian Association of Ophthalmology (SAO) Conference at Thimphu Bhutan. Chaired the session "National Symposium on community Ophthalmology" in India in the ACOIN Puri 2024 Commemorative International Oration at Puri from 26-29 September 2024. Participated in media briefing organized by AIIMS Media Cell on World Glaucoma week at AIIMS New Delhi on "How to prevent eye while playing Holi." Advisor, Faculty and Resource person of training programme of Medical Officers in Delhi NPCBVI Programme. Member of AIOS Vision 2030 Committee. Organized Netra Kumbh 2025 at Prayagraj, Uttar Pradesh from 12 January 2025-26 February 2025. Appointed as a Member in Clinical Advisory Board (CAB) by Akhand Jyoti Eye Hospital for three years, contributing towards the achievement of Vision 2030 Goals.

Professor Suraj Senjam Singh Invited for a guest lecture by the Centre for Occupational Therapy and Environmental Health and the Department of Community Medicine, MAMC, New Delhi on 20 March 2025. Invited to deliver a lecture at the Global Ophthalmology Summit 2024, Portland, Oregon USA organized under the aegis of the American Academy of Ophthalmology from 9-11 August 2024. Honored with an oration award at the 3rd annual meeting of ROS and the ACOIN Haryana. State Chapter Oration at PGIMS, Rohtak, Haryana on 28 April 2024. Special guest lecture to deliver "Assistive Technology: what's new for visual loss" in CME organized by Depth. of Ophthalmology, JLN Medical College, Ajmer, Rajasthan, India, 14 April 2024. Nodal Technical Officer of rATA (Rapid Assistive Technology Assessment) in India under ICMR, New Delhi, 2023-2025.

Dr Vivek Gupta Professor Phani Kumar Sarakar Endowment ACOIN Tripura state Chapter Oration 2024 awarded by ACOIN on 11 May 2024. ACOIN NOS NNJS Indo-Nepal Friendship Certificate of Excellence in community Eye health Services 2024 by NOS-ACOIN-NNJS on 13-14 April 2024.

Dr Nishat Hussain Dr. Nishat Hussain Ahmed was conferred the prestigious SS Kelkar memorial award in MICROCON 2024, held at Pune- Maharashtra. Dr. Nishat Hussain Ahmed participated in brainstorming session on- "Cell Therapy and Regenerative Applications in Ophthalmology" in RP Centre foundation day celebrations 2025.

VISITING SCIENTISTS

1) Advances in Ocular Oncology: Imaging, Artificial Intelligence and 3D printing by Prof Mandeep Sagoo, Professor of Ophthalmology and Ocular Oncology, UCL institute of Ophthalmology and Consultant Ophthalmic Surgeon Moorfields Eye Hospital and Barts Health Trust, London, United Kingdon, 27 January 2025.
2) Clinico pathologic Correlation of Interesting Cases by Professor Deepak Edward, Professor of Ophthalmology and Pathology, University of Illinois Eye and Ear Infirmary at the University of Illinois College of Medicine in Chicago, Illinois, USA, 31 December 2024.

10.5 Jai Prakash Narayan Apex Trauma Centre

Chief

Kamran Farooque

Addl. Medical Superintendent

Vijaydeep Siddharth

Professors

Anaesthesiology

Babita Gupta
Chhavi Sawhney

Laboratory Medicine

Arulselvi S
Purva Mathur

Forensic Medicine

Sanjeev Lalwani
Adarsh Kumar

Trauma Surgery

Sushma Sagar
Subodh Kumar
Amit Gupta
Biplab Mishra

Neurosurgery

Deepak Agrawal
Deepak K Gupta
GD Satyarthee
Pankaj Kr. Singh

Orthopaedics

Kamran Farooque
Vijay Sharma
Buddhadev Chowdhry
Vivek Trikha

Radio diagnosis

Shivanand G.
Atin Kumar

Neuroanaesthesia

Ashish Bindra
Gyanendra Pal Singh
Niraj Kumar

C & I care

Kapil Dev Soni
Richa Aggarwal
Keshav Goyal
Navdeep Sokhal

Paediatric surgery

Shilpa Sharma

Emergency Medicine

Sanjeev K Bhoi

Nephrology

Bagchi Soumita K.

Obstetrics & Gynaecology

Garima Kachawa

Additional Professors

Emergency medicine

Tej Prakash Sinha

Trauma Surgery

Pratyusha Priyadarshini
Abhinav Kumar
Narendra Choudhary
Dinesh Kumar Bagaria

Orthopaedics

Samarth Mittal

Urology

Siddharth Jain

Associate Professors

Anaesthesiology

Yudhyavir Singh

Trauma Surgery

Junaid Alam

Transfusion Medicine

Rahul Chaurasia

Assistant Professors

Forensic medicine

Swati Tyagi

Psychiatry

Nishtha Chawla

Plastic Surgery

Suvashis Dash

Hospital Administration

Anant Gupta
Mohammad Kausar

Orthopaedics

Nishank Mehta
Asjad Mahmood
Arvind Kumar
Garika Siva Srivastava

Anaesthesiology

Abhishek Singh
Sharmishtha Pathak
Riniki Sarma
Anjishnujit Bandyopadhyay (till 27 March 2025)

Emergency Medicine

Vineeth Chandran K.P.

Neurosurgery

Gour Surya Sri Krishna

HIGHLIGHTS

The year 2024–2025 was a transformative period for Jai Prakash Narayan Apex Trauma Centre (JPNATC), AIIMS, New Delhi, featuring major advancements in patient care, infrastructure, academic contributions, and community engagement:

- **April 2024**:
  - The year began with the **inauguration of the renovated kitchen complex**, greatly enhancing food hygiene and nutritional support for patients and staff.

- In collaboration with **Maruti Suzuki**, JPNATC launched a **Road Safety Awareness Campaign**, aimed at educating the drivers for providing emergency care training to drivers for road traffic injuries.

- **June 2024**: **World Environment Day** was celebrated with the launch of the **"Break the Plastic Chain"** campaign and the distribution of cloth bags to reduce plastic use within the hospital campus.
- **July 2024**:
  - The **trauma centre laboratory** received **NABL accreditation**, affirming its commitment to diagnostic quality and excellence.
  - The **Journal of Trauma Anaesthesia and Critical Care** was launched and opened for accepting submissions, establishing an academic platform to disseminate cutting-edge research and clinical advancements.
- **August 2024**: JPNATC was recognized with the **Best Brain Stem Death (BSD) Certifying Team Award** by the **National Organ and Tissue Transplant Organisation (NOTTO)** for exemplary performance in organ donation.
- **September 2024**: As part of **National Nutrition Month**, the centre conducted awareness activities and a **"Best Out of Waste" competition**, encouraging sustainability and innovation.
- **October 2024**:
  - JPNATC received the **Global South Conference 2024 Award** for excellence in **Infection Prevention, Control, and Antimicrobial Stewardship**.
  - The **Nursing Leadership Award for Patient Safety** was conferred in recognition of the exceptional role of nursing staff.
  - A **bone transplant from a deceased donor to a live patient** was successfully performed, restoring the patient's ability to walk.
  - On **24 October 2024**, the **Director of AIIMS, New Delhi**, inaugurated **five state-of-the-art modular operation theatres**, expanding surgical capacity and enhancing trauma care delivery, thus increasing the number of operation theaters to 10 from existing 5.

EDUCATION

- Nursing officers from AIIMS Jammu were trained in intensive care treatment of trauma patients through a one-day workshop conducted by faculty of anaesthesia and critical care.
- Three one day workshops were organized for Nursing officers of AIIMS Delhi to strengthen the treatment of trauma patients. Focused Intensive care training in trauma or FITT was crafted especially for teaching the important aspects of critical care management of trauma victims.
- BLS and ACLS training was provided to paramedical personnels and security personnels of the center

CMEs/Workshops/Symposia/National and International Conferences

❖ 31 cadaveric courses were organised at AIIMS cadaveric Surgical Skills Training (ACSST), JPNATC, AIIMS, New Delhi in different specialities:-

- ➢ Orthopaedics (N=11; Participants= 224),
- ➢ Surgery (N=5; Participants= 80),
- ➢ Neurosurgery (N=5; Participants= 113),
- ➢ ENT (N=4; Participants= 39),
- ➢ Anaesthesia (N=2; Participants= 55),
- ➢ Emergency Medicine (N=1; Participants= 16),
- ➢ CTVS (N=1; Participants= 20),
- ➢ Dental (N=1; Participants= 10)
- ➢ Burns, Plastic and Reconstructive Surgery (N=1; Participants= 35)

List of Conference, Workshop and Symposium held during the period 1 April 2024 to 31 March 2025

S.No	Date	Title
1.	05 May 2024	Teaching
2	03 August 2024	Personality Development & course skills workshop
3.	14 August 2024	Workshop
4.	28 August 2024	12th AIIMS Annual Spine Cadaveric Workshop - 2024, Excellence in Spinal Surgery
5.	28 August 2024	12th AIIMS Annual Spine Cadaveric Workshop - 2024, Excellence in Spinal Surgery
6.	21- 22 September 2024	Workshop on Regional Anaesthesia
7.	01-05 October 2024	WHO Mass Casualty Management (MCM) Training of Trainer Course
8.	25-26 October 2024	EM Sono Workshop
9.	28 October 2024	Spine Surgery Workshop
10.	08 November 2024	Cadaveric Worshop Acetabular Fracture
11.	13-14 November 2024	Cadaveric Pain Workshop
12.	04-05 December 2024	Cadaveric Brachial Plexus Workshop
13.	13-14 December 2024	EM Sono Workshop
14.	15 December 2024	Microscopic Spine Study
15.	21 December 2024	Workshop on Research
16.	11 Jan12 January 2025	Educational
17.	19 January 2025	Airway / Regional Anaesthesia Workshop
18.	22 January 2025	Workshop on integrated emergency & injury care for Delhi Govt Hospital,
19.	24 Jan25 January 2025	Cadaveric Skull Base Workshop
20.	07 Mar09 March 2025	AIIMS Pelvis-Acetabular Trauma Update
21.	10 March 2025	Workshop
22.	17 March 2025	Workshop
23.	18 Mar19 March 2025	Cadaveric course on spine
24.	22 March 2025	Workshop
25.	29 March 2025	Cadaver Workshop

Lectures Delivered: 654

Abhinav Kumar: 19
Abhishek Singh: 10
Adarsh Kumar: 9
Amit Gupta: 43
Anant Gupta: 14
Arvind Kumar: 4
Ashish Bindra: 25
Asjad Mahmood: 5
Atin Kumar: 21
Babita Gupta: 11
Bagchi Soumita K: 3
Biplab Mishra: 13
Chhavi Sawhney: 4
Deepak Agrawal: 6
Deepak K Gupta: 18
Dinesh Kumar Bagaria: 26
Garika Siva Srivastava: 6
Garima Kachhawa: 4
Gyanendra Pal Singh: 14
Junaid Alam: 7
Kamran Farooque: 24
Kapil Dev Soni: 27
Keshav Goyal: 16
Mohammad Kausar: 5
Narendra Choudhary: 16
Navdeep Sokhal: 2
Niraj Kumar: 5
Nishank Mehta: 19
Nishtha Chawla: 7

Pankaj Kr Singh: 2 **Pratyusha Priyadarshini: 8** **Purva Mathur: 9**

Richa Aggarwal: 10 **Riniki Sarma: 10** **Samarth Mittal: 72**

Sanjeev K Bhoi: 4 **Sanjeev Lalwani: 9** **Sharmishtha Pathak: 16**

Shivanand G: 17 **Siddharth Jain: 3** **Subodh Kumar: 5**

Sushma Sagar: 20 **Suvashis Dash: 17** **Swati Tyagi: 2**

Tej Prakash Sinha: 4 **Vijay Sharma: 14** **Vivek Trikha: 28**

Yudhyavir Singh: 21

Abhinav Kumar

1. Adult CPR, Training the Trainers- National Emergency Life Support Course for Paramedics, 2 May 2024, Meerut, UP. India
2. Trauma Management: ABC Approach, Training the Trainers- National Emergency Life Support Course for Paramedics, 3 May 2024, Meerut, UP. India
3. Cervical Spine Stabilization Bleeding Control, Amputated part Care, Training the Trainers- National Emergency Life Support Course for Paramedics, 3 May 2024, Meerut, UP, India
4. Triage, Training the Trainers- National Emergency Life Support Course for Paramedics, 4 May 2024, Meerut, UP. India
5. Pediatric CPR, Training the Trainers- National Emergency Life Support Course for Paramedics, 25 July 2024, Leh. India
6. Trauma Management: ABC Approach, Training the Trainers- National Emergency Life Support Course for Paramedics, 26 July 2024, Leh. India
7. Cervical Spine Stabilization. Bleeding Control, Amputated part Care, Training the Trainers- National Emergency Life Support Course for Paramedics, 27 July 2024, Leh. India
8. Precision Medicine in Trauma: An Emerging Paradigm", Refresher Course in Life Science at Patna University (UGC Sponsored), 5 September 2024, Patna. India
9. Shock, 12th ATLS Student Provider Course at IGIMS, Patna, 12 September 2024, Patna, India
10. Head Trauma, 12th ATLS Student Provider Course at IGIMS, Patna, 13 September 2024, Patna, India
11. Triage Scenario, 12th ATLS Student Provider Course at IGIMS, Patna, 14 September 2024, Patna, India
12. Geriatric Trauma, TRAUMA 2024. 14th Annual Conference of ISTAC & 2nd Annual Conference of UP Chapter ISTAC., 10 November 2024, Lucknow, India
13. Torso Trauma: Assessment & Management, SURGICON 2024. Association of Surgeons of India Delhi State Chapter, New Delhi, India
14. NMR-Based Metabolomics for Clinical Applications, Indo-French Biomolecular NMR Winter School at IIT Guwahati, 15 December 2024, Guwahati. Assam
15. Trauma Care: Adapt & Evolve, "SCIENCE KUMBH" at Sadanlal Sanwaldas Khanna Girls Degree College., 8 February 2025, Prayagraj, UP.
16. Intraoperative & postoperative patient management, 18th National Conference of Hospital Infection Society-India (XVIII HISICON) at SGPGIMS., 6 February 2025, Lucknow, UP.
17. Thoracic Trauma, 13th ATLS Student Provider Course at IGIMS, Patna, 27 February 2025, Patna, Bihar
18. Pediatric Trauma, 13th ATLS Student Provider Course at IGIMS, Patna, 28 February 2025, Patna, Bihar
19. Triage, 13th ATLS Student Provider Course at IGIMS, Patna, 1 March 2025, Patna, Bihar

Abhishek Singh

1. Shock, AIIMS CRITICAL CARE NURSING WORKSHOP, 15 April 2024, New Delhi, India
2. Shock, AIIMS CRITICAL CARE NURSING WORKSHOP, 22 April 2024, New Delhi, India

3. Truncal and abdominal block, USG GUIDED CADAVERIC REGIONAL ANESTHESIA WORKSHOP, 4 May 2024, New Delhi, India
4. Transthoracic echocardiography, RECENT ADVANCES IN CRITICAL CARE (RACC 2024), 24 August 2024, New Delhi, India
5. PEC 1, PEC2 & SAP, 9th AIIMS Ultrasound Guided Regional Anesthesia (AURA) Cadaveric workshop, 22 September 2024, New Delhi, India
6. ESP block, 9 th AIIMS Ultrasound Guided Regional Anesthesia (AURA) Cadaveric workshop, 22 September 2024, New Delhi, India
7. Basic modes of mechanical ventilation, Under ICMR project, 30 November 2024, New Delhi, India
8. Blocks of the upper limb, Ultrasound Guided Cadaveric Regional Anesthesia Workshop, 19 January 2025, New Delhi, India
9. Shock in ICU, Focused Intensive Care Training for Nurses Workshop, 10 March 2025, New Delhi, India
10. Shock in ICU, Focused Intensive Care Training for Nurses Workshop, 17 March 2025, New Delhi, India

Adarsh Kumar

1. Various types of Wounds and their documentation through lens of Forensic Traumatology: A view-point, WOUNDCARECON-2024 – 16th Annual Conference of Wound Care and Research, 26-27 April 2024, Lucknow, UP
2. Recent Changes & Amendments in Laws - In Relation to Medical practice, National Ayush Medicolegal conference, 22-23 June 2024, Pune Maharashtra
3. Medical Negligence vis-à-vis defensive Medicine- How far justified in current Indian scenario, Guest Lecture on Occasion of Doctor's day, 3 July 2024, Greater Noida, UP
4. Changing paradigm of Custodial Death Investigations in India during 21st century- An experience from India, 19th International Forensic Medicine Congress of Council of Forensic Medicine, 23-28 September 2024, Antalya, TURKEY
5. Digital Autopsy(Virtopsy)- Journey so far and future ahead, 4th International Conference on Recent Advances in Forensic Sciences- Forensic Gyan-2024, 14-15 November 2024, Jaipur, Rajasthan
6. Current Status of Forensic Toxicology in India – An Update, 20th National Conference of Indian Society of Toxicology- TOXOCON 2024, 21-22 November 2024, Deoghar, Jharkhand
7. Dealing with Child Abuse in India- An Update, 12th International Conference of African Society of Forensic Medicine- ASFM- 2025, 10-13 March 2025, Pretoria South Africa
8. Sharing of placing Digital Autopsy (Virtopsy) services at AIIMS, New Delhi -An Experience, 22nd National Conference of Punjab Academy of Forensic Medicine & Toxicology- PAFMATCON 2024-25, 20-22 March 2025, Dehradun Uttarakhand
9. Interdisciplinary approach for better Criminal Investigation System in India: Need of hour in Current Era of Technology, 10th Annual Conference on Recent Advances in Chemical and Environmental Sciences "RACE", 28 March 2025, Gwalior MP

Amit Gupta

1. Objectivizing and prognostication of Outcomes in Trauma, NBEMS Webinar Series - Trauma & Acute Care Surgery, 6 April 2024, Online
2. Uniting through Asian Collaboration for Trauma Care, The 26th International Congress of KSACS 2024, 11-13 April 2024, Incheon, Korea.
3. Basics of ICU Management Part - 2, NBEMS Webinar Series - Trauma & Acute Care Surgery, 20 April 2024, Online
4. Basics of soft tissue reconstruction (Upper Extremities), NBEMS Webinar Series - Trauma & Acute Care Surgery, 27 April 2024, Online
5. Pre-Hospital Care Saves Lives, IIC Lecture Series, 11 May 2024, India International Centre, Delhi, India
6. Precision in Chaos: Mastering Damage Control Resuscitation, YATARTHCON: TRAUMA; Precision in Chaos: Mastering Damage Control Resuscitation, 12 May 2024, Noida Extension, Uttar Pradesh, India

7. Golden hour in trauma care- doing the right thing in the right time, EMERGE- mastering the art of trauma care, 18-19 May 2024, Panampilly Nagar, Kochi.
8. Management of open Abdomen, NBEMS Webinar Series - Trauma & Acute Care Surgery, 8 June 2024, Online
9. Approach to a case of Acute Abdomen, NBEMS Webinar Series - Trauma & Acute Care Surgery, 15 June 2024, Online
10. Accident and Emergency Services -Definition and Concept of Emergency -Types of Emergencies -Planning and Organization -Medicolegal case sheet and Triage -Management Issues, Contact Program - II of PGDM (Executive) Hospital Management, 2024 NIHFW, 25 June 2024, NIHFW, Munirka, Delhi
11. Creating A Quality Framework for Trauma Care, Launch of National University Centre of Trauma & Symposium Event,4 July 2024, NUHS, Singapore
12. Approach to Bleeding Thoracic Injuries, NUHS Resident Academic Day, 5 July 2024, NUHS, Singapore
13. Planning and Management Issues in Accident and Emergency Department, Training Programme on Hospital Management for Hospital Managers of Madhya Pradesh Govt., 24 July 2024, NIHFW, New Delhi
14. Management of Non- Traumatic Pancreatic Emergencies, NBEMS Webinar Series - Trauma & Acute Care Surgery, 3 August 2024, Online
15. WHO Trauma Operative Course: Expert Group Discussion and Moderation, IATSIC WHO Joint Trauma Operative Course for Resource Challenged Settings, 22-24 August 2024, Kuala Lumpur, Malaysia
16. ERAS in Trauma: the relevance of the concept, International Surgical Week ISW 2024, 27 August 2024, Kuala Lumpur, Malaysia
17. Acute GI Bleed: Lower GI, NBEMS Webinar Series - Trauma & Acute Care Surgery, 31 August 2024, Online
18. Management of Open Abdomen, UPMASICON 2024, 1 September 2024, Varanasi, Uttar Pradesh
19. Trauma quality framework for resource challenged environments, 7th World Trauma Congress, 11-18 September 2024, Las Vegas, USA
20. Trauma Research, Publication Impediments, and How to Make It More Equitable for LMICs – The ACT Perspective, 7th World Trauma Congress, 11-18 September 2024, Las Vegas, USA
21. Impact Of Psychosocial Intervention On Quality Of Life In Patients With Post-Traumatic Limb Amputations - A Randomized Controlled Trial, 7th World Trauma Congress, 11-18 September 2024, Las Vegas, USA
22. Professor Y K Batra Oration - Improving quality of Trauma Care in Low resource settings challenges and way forward, 2nd Annual Trauma Anaesthesia and Critical Care Conference – STACC 2024, 5-6 October 2024, Varanasi
23. Trauma Care Systems & Improving Quality of Trauma Care: *The Nursing Paradigm* (Lessons Learnt 2005-2024), National Conference on Emergency and Trauma Nursing, 17 October 2024, Puducherry
24. Medicolegal issues involving trauma patients, NBEMS Webinar Series - Trauma & Acute Care Surgery, 19 October 2024, Online
25. Challenges in Emergency Care in India, Smart Mobility Conference Traffic Indra Tech Expo, 22-24 October 2024, Pragati Maidan, New Delhi
26. Clinical Case discussion, NBEMS Webinar Series - Trauma & Acute Care Surgery, 26 October 2024, Online
27. Clinical Case discussion, NBEMS Webinar Series - Trauma & Acute Care Surgery, 02 November 2024, Online
28. Call. Cry. Alarm. Alert: Development of Integrated Trauma Care Command System, TRAUMA-2024, 8-9 November 2024, Lucknow, UP
29. Chair: Tactical Combat Casualty Care (TCCC), TRAUMA-2024, 8-9 November 2024, Lucknow, UP
30. ATLS Courses in India – An Overview, ATLS Region XVI Meeting 2024, 22-23 November 2024, Bangkok Thailand.
31. Advances in Pre-Hospital Resuscitation, National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka.
32. Is the Thorax a Restricted Cavity for Resource-constrained Hospital general surgeons? National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka.

33. Workshop Director: To study the effectiveness of the TQI Programs in Tertiary Care Hospitals In India, Trauma Quality Improvement Workshop, 18 January 2025, IPGMER, Kolkata.
34. Workshop Director: To study the effectiveness of the TQI Programs in Tertiary Care Hospitals In India, Trauma Quality Improvement Workshop, 28 January 2025, JIPMER, Pondicherry
35. Workshop Director: To study the effectiveness of the TQI Programs in Tertiary Care Hospitals In India, Trauma Quality Improvement Workshop, 31 January 2025-1 February 2025, CMC, Vellore
36. Workshop Director: To study the effectiveness of the TQI Programs in Tertiary Care Hospitals In India, Trauma Quality Improvement Workshop, 5 February 2025, AIIMS, Patna
37. Essentials of Pediatric Trauma, NBEMS Webinar Series - Trauma & Acute Care Surgery, 8 February 2025, Online
38. Workshop Director: To study the effectiveness of the TQI Programs in Tertiary Care Hospitals In India, Trauma Quality Improvement Workshop, 14-15 February 2025, KGMU, Lucknow
39. Brain Death and Organ Donation, NBEMS Webinar Series - Trauma & Acute Care Surgery, 22 February 2025, Online
40. Workshop Director: To study the effectiveness of the TQI Programs in Tertiary Care Hospitals In India, Trauma Quality Improvement Workshop, 27-28 February 2025, AIIMS, Jodhpur
41. Clinical Case Discussion: Respiratory Failure & its Management (Part-2), NBEMS Webinar Series - Trauma & Acute Care Surgery, 1 March 2025, Online
42. Basics of Mechanical Ventilation, NBEMS Webinar Series - Trauma & Acute Care Surgery, 15 March 2025, Online
43. Triage and Mass Casualty Incidents, NBEMS Webinar Series - Trauma & Acute Care Surgery, 5 April 2025, Online

Anant Gupta

1. Office Procedures, PGDHHM, 19 December 2024, IIM Jammu
2. Service Rules and Procedures, PGDHHM, 19 December 2024, IIM Jammu
3. Conduct Rules CCS and CCA rules, PGDHHM, 20 December 2024, IIM Jammu
4. Court Procedures, PGDHHM, 20 December 2024, IIM Jammu
5. Attendance and Disciplinary proceeding, PGDHHM, 20 December 2024, IIM Jammu
6. Laws applicable to Hospital, PGDHHM, 20 December 2024, IIM Jammu
7. Planning and Designing of Nuclear Medicine, PGDHHM, 21 December 2024, IIM Jammu
8. Clinical Establishment Act, PGDHHM, 21 December 2024, IIM Jammu
9. Planning and Designing of Radiotherapy Department, PGDHHM, 21 December 2024, IIM Jammu
10. Role of Hospitals in National Programmes, Training on Hospital Management and Administration, Coal India, 10 February 2025, IICM Ranchi
11. Acts applicable to Hospitals, Training on Hospital Management and Administration, Coal India, 11 February 2025, IICM Ranchi
12. Indian Public Health standards, Training on Hospital Management and Administration, Coal India, 11 February 2025, IICM Ranchi
13. Planning and Designing of BTS, Training on Hospital Management and Administration, Coal India, 12 February 2025, IICM Ranchi
14. PCPNDT Act Implications to Doctors, Training on Hospital Management and Administration, Coal India, 12 February 2025, IICM Ranchi

Arul Selvi S

1. Pathogenesis of Trauma-Induced Coagulopathy and Its Implications on Blood Product Usage, Transmedcon 2024, the annual national conference of the Indian society of transfusion medicine (ISTM), 27-29 September 2024, Tamil Nadu -Mahabalipuram

Arvind Kumar

1. Low Distal Femur Fractures, Delhi Orthopaedic Association MIDCON 2024, 9 August 2024, New Delhi
2. Tension Band Wiring, ABC of Trauma 2024, 10 August 2024, New Delhi
3. Complex calcaneal Fractures, UP Orthocon 2025, 7 February 2025, Ghaziabad, UP
4. Tibialis Posterior Tendon Transfer, AIIMS Ankle and Foot Course 2025, 11 January 2025, New Delhi

Ashish Bindra

1. Workshop Faculty, Neuromonitoring, Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2024, 19-21 April 2024, Jodhpur
2. Participated in a panel discussion on volatile anesthetics., Panel talk, 7 June 2024, Bengaluru
3. Non convulsive status epilepticus recognition and management., NCSI webinar, 18 July 2024, Online
4. Tenecteplase for ischemic stroke at 4.5-24 hours without thrombectomy, NCSI Bulletin, 11 July 2024, Online
5. Video + Discussion International Radiofrequency Pain Conference-Aim-P 2024, 27-28 July 2024, New Delhi
6. Radiofrequency for chronic Spinal pain: Part 1 International Radiofrequency Pain Conference-Aim-P 2024, 27-28 July 2024, New Delhi
7. Facetogenic Pain: Lumbar and Cervical International Radiofrequency Pain Conference-Aim-P 2024, 27-28 July 2024, New Delhi
8. Correct Procedural techniques for a better outcome. Video International Radiofrequency Pain Conference-Aim-P 2024, 27-28 July 2024, New Delhi
9. Modified Techniques. Video, International Radiofrequency Pain Conference-Aim-P 2024, 27-28 July 2024, New Delhi
10. Multimodal neuromonitoring in resource limited settings: to be or not, World Neurosciences Summit - IV, 24 August 2024, New Delhi
11. Chairperson in Session, Recent Advances in Critical Care (RACC-2024), 26 August 2024, New Delhi
12. Hypothermia : Old talk...What Next ? 5TH Annual conference of the Neurocritical Care Society of India NCSI 2024, 29 August-1 September 2024, Chennai
13. PBLD: Management of Acute Ischemic Stroke, SNACC, 13 September 2024, Denver, Colorado
14. Judge, Dr. T.N. Jha and Dr. P.K. Chansorya Memorial Travel Grant Award Paper– 2024, 16 October 2024, Patna
15. Targeted Temperature Management: What Does the Future Hold, 1st International Conference on Innovations and Technology in Anaesthesia & Critical Care merged with Annual central Zone Conference of the Indian Society of Anaesthesiologists, 26-27 October 2024, Orchha
16. Management of intracranial hypertension following traumatic brain injury: current status and outlook, MACC 2024 (Medanta Anesthesia Critical Care Conclave), 9 November 2024, Gurugram
17. Speaker-Acute SCI- Airway Management and Weaning from ventilatory support Neuro Critical Care CME, 7-8 December 2024, Ramdaspeth, Nagpur
18. Speaker-Management of Paroxysmal sympathetic hyperactivity (PSH) Neuro Critical Care CME, 7-8 December 2024, Ramdaspeth, Nagpur
19. Moderator-Brain Death Declaration & Organ Donation: Panel Discussion, Neuro Critical Care CME, 7-8-December 2024, Ramdaspeth, Nagpur
20. Precision Medicine in Traumatic Brain Injury: Neuromonitoring Guided Individualized Treatment Strategies. ISNACC 2025, 26th Annual Conference of The Indian Society of Neuroanaesthesiology and Critical Care, 23-26 January 2025, Kovalam, Trivandrum
21. Workshop: “Brain Death Certification Course”, ISNACC 2025, 26th Annual Conference of The Indian Society of Neuroanaesthesiology and Critical Care, 23-26 January 2025, Kovalam, Trivandrum
22. Care of Central Venous Catheter & Urinary catheter, Infection Control & Prevention Program, 10 February 2025-13 February 2025, New Delhi
23. Approach to perioperative concerns in Neuroanesthesia, Neuroanaesthesia CME, 2 March 2025, Jaipur
24. ICP Monitoring, World Neurosciences Conclave 2025, 22 March 2025, Gurugram

25. Targeted Temperature Management: What does the future hold, CME cum-Workshop on "Precision Temperature Management with IVTM: Transforming Neuro Critical Care, 28 March 2025, Lucknow, Uttar Pradesh

Asjad Mahmood

1. Atypical floating hip, Delhi Trauma Conclave (DOA MIDCON) 2024, 11 August 2024, New Delhi, India
2. Fracture healing and strain theory, ABC of trauma (AIIMS Basic Course of Trauma), 09 August 2024, New Delhi, India
3. Principles of external fixation, ABC of trauma (AIIMS Basic Course of Trauma), 10 August 2024, New Delhi, India
4. Contra-indications of HTO, AIIMS Cadaver course on High Tibial Osteotomy, 17 November 2024, New Delhi, India
5. All inside meniscus repair techniques, Cadaveric course on arthroscopic meniscus repair, 11 January 2025, New Delhi, India

Atin Kumar

1. Imaging of the newborn brain, National Board of Examinations Pediatric Neurology Webinar, 2 May 2024, Online
2. CT and MRI in neonates – Basic concepts and practical uses, National Neonatology Forum Webinar, 29 May 2024, Online
3. Neonatal and Pediatric CNS infections – Case based Review, Indian Society of Pediatric Radiology midterm CME, 22 June 2024, Thiruvantharapuram
4. Neonatal hypoxia and hypoglycemia: imaging implications, Indian Society of Pediatric Radiology midterm CME, 22 June 2024, Thiruvantharapuram
5. Traumatic diaphragmatic hernia, The Upper GI Surgeons (TUGSS) group webinar, 17 July 2024, Online
6. Reporting templates for Trauma Radiology workshop, Society for Emergency radiology Annual Conference, 2 August 2024, Chandigarh
7. Imaging of abdominal trauma, AIIMS MAMC PGI Course on GI and Hepatobiliary Radiology, 10 August 2024, Delhi
8. Approach to atypical pediatric CNS infections, Annual conference of Society for Emergency Radiology, 20 September 2024, Lucknow
9. Imaging of developmental Malformations, Indian College of Radiology and Imaging Webinar Neuroradiology, 25 September 2024, Online
10. Imaging of chest trauma, CT Buzz, 6 October 2024, Pune
11. Imaging of bowel trauma, CT Buzz, 6 October 2024, Pune
12. Imaging of chest trauma, Association of Physicians of Indian Origin GAPIO webinar, 11 October 2024, Online
13. Simplifying leucodystrophies – Dr. Anoop memorial Oration, Indian Society of Neuroradiology Midterm CME, 19 October 2024, Kochi
14. CNS infections – bacterial, fungal or viral? Society for Pediatric Neuroimaging SPIN 2024, 25 October 2024, Goa
15. Novel Radiological Phenotypes in Pediatric Neuroradiology, Panelist. Association of Child Neurology (AOCN) Special Interest Group (SIG) Session, 11 December 2024, Online
16. Brain Developmental Malformation, National Board of Examinations Radiodiagnosis Webinar, 12 December 2024, Online
17. Varicose vein management, Interventional Radiology CME, 15 December 2024, Delhi
18. Chest trauma – not just a soreness, Annual conference of Asia Ocenian College of Radiology AOCR 2025, 25 January 2025, Chennai
19. Normal developmental milestones in child brain, Annual conference of Asia Ocenian College of Radiology AOCR 2025, 26 January 2025, Chennai

20. Hot Seat Review - Neuroradiology, 17th Radiology Residents Hot Seat Review Course 2024, DelRad, 9 February 2025, Delhi
21. Hypoxic Ischemic Encephalopathy and mimics, Annual conference of Indian Society of Neuroradiology, 20 February 2025, Bengaluru

Babita Gupta

1. MHP, RSACPCON, 20 April 2024,
2. Blood Management in trauma, 24th World Webinar PBMNATA, the Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis, 20 April 2024, (Online lecture)
3. Panel discussion Transfusion practices in trauma in India, 24th World Webinar PBMNATA, the Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis, 20 April 2024, (Online lecture)
4. Blood Transfusion Protocols in trauma, RSACPCON 2024 Jodhpur, 19-21 April 2024, Jodhpur
5. Thoracic Trauma, ITLS, STACC, 27 July 2024, Chandigarh
6. ITLS, RAJISACON, 13 September 2024, Jodhpur
7. Massive Hemorrhage protocol in Trauma patients, RAJISACON, 15 September 2024, Jodhpur
8. 1st International Conference on innovations and Technology in Anaesthesia & Critical Care, ISACON 2024, 26-27 October 2024, Madhya Pradesh
9. 71st Annual Conference of Indian Society of Anaesthesiologists, ISACON 2024, 20-24 November 2024, Patna
10. Research design, data collection techniques, and qualitative data analysis with a focus on practical applications in medical education research, Workshop on Qualitative Research in Medical education, 18-19 December 2024, AIIMS, New Delhi
11. Assessment, “Assessment of Critical Care Medicine Department, 05 March 2025, Hyderabad

Bagchi Soumita K

1. Post transplant TMA, Medanta nephrology CME, 1 December 2024, Delhi
2. BK virus infection after transplantation, Annual Conference of the Indian Society of Pediatric Nephrology (ISPNCON 2024), 6 December 2024, Delhi
3. Conducting trials in LMICs, World Congress of Nephrology, 8 February 2025, Delhi

Biplab Mishra

1. Pathophysiology of Traumatic Chest Injuries, National Medical College Network, 12 April 2024, New Delhi
2. Initial assessment and management, Advanced Trauma Life Support Course, 18.July.24, Rishikesh
3. Transfer to definitive care, Advanced Trauma Life Support Course, 19.July.24, Rishikesh
4. Triage, Advanced Trauma Life Support Course, 19.July.24, Rishikesh
5. Overview of management of acute wounds in ED, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
6. Biology of wound healing, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
7. Wound infection and management, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
8. Patient and wound assessment, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
9. Wound anesthesia, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
10. Wound preparation, closure and dressing, MAWE workshop, INDUSEM24 Conference, 8.August.24, Bhopal
11. Complications of wounds, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
12. Wound management protocol, MAWE workshop, INDUSEM24 conference, 8.August.24, Bhopal
13. Congenital disorders of chest wall, Symposium on chest wall surgery -2025, 21.March.2025, Delhi

Chhavi Sawhney

1. Pediatric Airway and Surgical Cricothyrotomy, ATLS Provider Course at Dr. RML hospital, 18 April 2024, Delhi, India
2. Shock Assessment & Management, Immediate Trauma Life Support (ITLS Course) at PGIMER, 27 July 2024, Chandigarh, India
3. SPINE and SPINAL CORD TRAUMA, ATLS Provider Course at Dr. RML hospital, 18 October 2024, Delhi, India
4. Interactive Lecture Microteaching Sessions, ATLS Instructor Course at Dr. RML hospital, 11-12 November 2024, Delhi, India

Deepak Agrawal

1. Improvement in Quadriplegic SCI patients after Duraplasty, 32nd Annual Conference of Neurotrauma Society of India, 9th - 11 August 2024, Pune, Maharashtra
2. Role of Bevacizumab in Giant progressive Vestibular Schwannomas in NF2 patients following Gamma Knife Radiosurgery, 50th Annual Meeting of the ISPN-2024, 13-17 October 2024, Toronto, Canada
3. Determination of bodyweight for management of Traumatic brain Injury patients using machine learning approach, National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka
4. Pseudoprogression After Radiosurgery in Vestibular Schwannomas: A Definitive Guide, 72nd Annual Conference of Neurological Society of India, 17-20 December 2024, Kolkata
5. Nerve transfers in high Cervical spine injury patients, Indian Society of Peripheral Nerve Surgery - interim meeting and cadaver workshop, 11-12 January 2025, Jabalpur, Madhya Pradesh
6. Neuromodulation of T6 dermatome for obesity, 15th World Congress on Brain Injury, 19-22 March 2025, Montreal Quebec, Canada

Deepak K Gupta

1. Visiting Researcher in University of Messina Neurosurgery, University of Messina, 4-15 July 2024, Messina, Sicily
2. Challenges in pediatric organ management., 3rd International conference, DONARTE 2024, 29 September 2024-1 October 2024, Messina, Sicily
3. Overview of Brain death certification and organ donation globally, Global Neuro course- Neurocritical and Neurotrauma, 18-21 October 2024, Tokyo, Japan
4. Posterior calvarial augmentation in syndromic craniosynostosis, The Neurosurgical Week- Academy for advancing neurosurgery and Craniovertebral junction and Spine society meeting, 3-4 August 2024, Mumbai
5. Pediatric Head Trauma, KK Woman Children Hospital, 23-25 August 2024, Singapore
6. Metal Free Fixations in very young children, 72th Neurological Society of India annual conference (NSICON 2024), 18-21 December 2024, Kolkata
7. Conducted workshop on Brain Death Certification, 72th Neurological Society of India annual conference (NSICON 2024), 18-21 December 2024, Kolkata
8. Brain death certification – Challenges, Workshop on Organ and Tissue Transplant, 17 January 2025, SMS Medical College, Jaipur
9. Brain death certification, Strengthening of Organ donation and Transplantation process, 29-January-2025, Agartala, Tripura
10. Metal free fixation in infants, 27th Annual conference of Delhi Neurological Association, DNACON 2025, 1-2 February 2025, Delhi
11. Pediatric Cervical spinal trauma – Metal or metal free fixations, 2nd International Conference cum Workshop– Govt Kilpauk Medical College, 12-14 February 2025, Chennai
12. Pediatric head trauma – Basics of management, Dr BR Ambedkar medical College, Bengaluru, 15 February 2025, Bengaluru

13. Midline Gliomas- an update on therapeutic challenges**,** INDSPNCON 2025Annual Conference of Indian society for pediatric neurosurgery**,** 28 February 2025-2 March 2025**,** PGIMER, Chandigarh
14. My worst case- split cord malformations**,** INDSPNCON 2025Annual Conference of Indian society for pediatric neurosurgery**,** 28 February 2025-2 March 2025**,** PGIMER, Chandigarh
15. Brain death certification and donor maintenance**,** CME on deceased organ donation and retrieval - AIIMS Rishikesh**,** 7 March 2025**,** AIIMS, Rishikesh, Uttarakhand
16. Variability in organ donation globally**,** 44th International Symposium on Intensive Care and Emergency Medicine (ISICEM 2025)**,** 18-21 March 2025**,** Brussels, Belgium
17. Pregnancy with TBI – Saving 2 lives**,** 44th International Symposium on Intensive Care and Emergency Medicine (ISICEM 2025)**,** 18-21 March 2025**,** Brussels, Belgium
18. Hypothermia in TBI – Eurotherm 3235Experience with hypothermia in severe TBI, Transforming Neurocritical care in CME cum workshop on Precision Temperature Management with IVTM**,** 28 March 2025**,** KGMU, Lucknow

Dinesh Kumar Bagaria

1. Initial Assessment and Management Demonstration, ATLS Student Course, 11 April 2024, Vellore
2. Airway and Ventilatory Management, ATLS Student Course, 11 April 2024, Vellore
3. Basic and advanced airway skill training, ATLS Student Course, 11 April 2024, Vellore
4. Trauma in Pregnancy, ATLS Student Course, 12 April 2024, Vellore
5. Initial Assessment Practice and Team Training, ATLS Student Course, 12 April 2024, Vellore
6. Trauma Initial Evaluation and management assessment, ATLS Student Course, 13 April 2024, Vellore
7. Trauma First Responder Workshop, Netaji Subhash University of Technology Annual Day, 8 August 2024, Delhi
8. Trauma Assessment and management workshop, ASI Delhi Chapter Regional Refresher Course, 6 October 2024, Delhi
9. Moderation of Oral Research Paper Presentation, ENDOSURG 2024 & 17th National Conference of SELSI "SELSICON-2024, 17 October 2024, Delhi
10. Trauma Care Workshop, UG Conference - INSIGHT, 14 November 2024, Delhi
11. Panelist - Management of trauma patient with unstable vitals on arrival, NBEMS Trauma & Acute Care Surgery Webinar, 16 November 2024, Online
12. Decision Making -Crush Injuries in Trauma, RESURG PGI surgical colloquium, 17 November 2024, Chandigarh
13. Panelist - Management of trauma patient with unstable vitals, NBEMS Trauma & Acute Care Surgery Webinar, 30 November 2024, Online
14. Trauma Quality Improvement (TQI) Governance and TQI Meeting, ICMR National Task Force- *Trauma Quality Improvement (TQI) Processes and Databases Workshop*, 5 February 2025, Patna
15. , Introduction to Advanced Techniques of TQIP, ICMR National Task Force- *Trauma Quality Improvement (TQI) Processes and Databases Workshop*, 6 February 2025, Patna
16. , Trauma Quality Improvement (TQI) Governance and TQI Meeting, ICMR National Task Force- *Trauma Quality Improvement (TQI) Processes and Databases Workshop*, 14 February 2025, Lucknow
17. Introduction to Advanced Techniques of TQIP, ICMR National Task Force- *Trauma Quality Improvement (TQI) Processes and Databases Workshop*, 15 February 2025, Lucknow
18. Thoracic Trauma, ATLS Student Course, 16 February 2025, Coimbatore
19. Skill station – Assessment of Breathing, ATLS Student Course, 16 February 2025, Coimbatore
20. Spine Trauma, ATLS Student Course, 17 February 2025, Coimbatore
21. secondary survey – Skill Station, ATLS Student Course, 17 February 2025, Coimbatore
22. Trauma Initial Evaluation and management assessment, ATLS Student Course, 18 February 2025, Coimbatore

23. Trauma Quality Improvement (TQI) Governance and TQI Meeting, ICMR National Task Force- *Trauma Quality Improvement (TQI) Processes and Databases Workshop*, 27 February 2025, Jodhpur
24. Introduction to Advanced Techniques of TQIP, ICMR National Task Force- *Trauma Quality Improvement (TQI) Processes and Databases Workshop*, 28 February 2025, Jodhpur
25. Principles of Damage Control Surgery, NBEMS Trauma & Acute Care Surgery webinar, 8 March 2025, Online
26. Panellist - Shot in the Box :Penetrating Cardiac Injury, AAST/ PTS Case Presentation, 10 March 2025, Online

Garika Siva Srivastava

1. Demonstration of NPWT application, AIIMS Basic Course (ABC) Of Trauma, 9-10 August 2024, AIIMS, New Delhi, India
2. Technique of Intramedullary Nailing, AIIMS Basic Course (ABC) Of Trauma, 9-10 August 2024, AIIMS, New Delhi, India
3. All-in-one Tibia: Case based approach, Delhi Orthopaedic Association -MIDCON 2024, Delhi Trauma Conclave., 11 August 2024, New Delhi, India
4. Kocher-Langenbeck approach and flip osteotomy, Cadaveric workshop on pelvi-acetabular Fractures Delhi Orthopaedic Association -DOACON 2024, 8 November 2024, AIIMS, New Delhi, India
5. Normal Alignment of Lower Limb, AIIMS Cadaver Course on High Tibial Osteotomy, 17 November 2024, AIIMS, New Delhi, India
6. Distal Femoral Fractures: Management Principles, AO Trauma Course- Basic Principles of Fracture Management, 7-9 March 2025, Jodhpur, India

Garima Kachhawa

1. Rudimentary horn: Diagnostic dilemma in adolescence, National Adolescent Health Conference NAHICON 2024**,** 27-28 July 2024**,** Patna, India
2. Energy Sources in Hysteroscopy, IAECON 2024 FOGSI IAECC, 7-8 September 2024, Ghaziabad Delhi NCR.
3. Panel discussion basic infertility Dilemmas- what every gynecologist encounters? 67th AICOG-2025, 08-12 January 2025, Mumbai, India
4. Challenges in the Management of Hypertension in Pregnancy, METCAD 2025, 22-23 February 2025, Mussorrie, India

Gyanendra Pal Singh

1. Coma, Acute Neuro Care (ANC)-2024, 29 June 2024, Hyderabad
2. Status epilepticus, Acute Neuro Care (ANC)-2024, 29 June 2024, Hyderabad
3. Personalized Autoregulation Guided Management in TBI: How Optimal is CPPopt? 4th World Neurosciences Summit (WNS) 2024, 23 - 24 August 2024, Gurugram
4. End of life care in neurocritical care: Ethical and legal aspects in India, 5th Annual conference of the Neurocritical Care Society of India (NCSI) 2024, 30 August 2024-01 September. 2024, Chennai
5. Navigating the Storm & Perioperative Challenges in aSAH, 20th North Zone Indian Society of Anaesthesiologists Conference 2024, 20-22 September 2024, Jammu
6. Perioperative Puzzle in Managing Patients with TBI, 20th North Zone Indian Society of Anaesthesiologists Conference 2024, 20-22 September 2024, Jammu
7. Cerebral Oximetry, 20th North Zone Indian Society of Anaesthesiologists Conference 2024, 20-22 September 2024, Jammu
8. Awake Craniotomy, 26th Annual conference of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) 2025, 23-26 January 2025, Trivandrum
9. Brain Death and Organ Donation, Webinar by National Board of Examination in Medical Sciences, 25 February 2025, Online
10. Factors affecting Intraoperative Neurophysiological Monitoring (IONM), World Neurosciences Conclave (WNC) 2025, 18-22 March 2025, Gurugram

11. Certification of Brain Death for Organ Donations & Maintenance of Patients in ICU for Organ Retrieval, 2nd North Zone ISA PG Assembly-2025, 21-23 March 2025, Jammu
12. Anaesthetic Considerations for a Patient with GCS-7 for Aneurysmal Bleed, 2nd North Zone ISA PG Assembly-2025, 21-23 March 2025, Jammu
13. Transcranial Doppler (TCD) for Vasospasm, 23rd Annual national Conference & 4th International Conference of RSACPCON 2025, 28-30 March 2025, Bathinda
14. Intraoperative Neurophysiological monitoring, 23rd Annual national Conference & 4th International Conference of RSACPCON 2025, 28-30 March 2025, Bathinda

Junaid Alam

1. First Responder Course, Dayal Singh College, 14 September 2024, Lodhi Road, New Delhi
2. First Responder Course, PGDAV Evening College, 22 September 2024., Nehru Nagar, New Delhi
3. Abdominal Trauma and Practical on Paediatric Airway and Surgical CRIC, **ATLS,** 17 October 2024, ABVIMS & RML HOSPITAL, New Delhi.
4. Surgical Airway At, Trauma 2024**,** 10 November 2024, KGMU, Lucknow
5. Abdominal Trauma and Practical on Paediatric Airway and Surgical CRIC, ATLS**,** 21 November 2024, ABVIMS & RML HOSPITAL, New Delhi.
6. Best practices in ICU.**,** Inservice workshop for technical officers**,** 11 February 2025**,** JPNATC, AIIMS, New Delhi
7. Arrangement of ICU in MCM held, Mass Casualty Management Couse, 05 March 2025, JPNATC, AIIMS, New Delhi

Kamran Farooque

1. Faculty Lecture on "Ankylosed Spine- Handling with care", DSSCON 2024(Delhi Spine Society Conference 2024), 14 April 2024, Aerocity, New Delhi
2. Faculty Lecture on 'Pediatric Spinal Injuries- how they differ from adults', SSWBCON 2024(Annual Conference of Spine Society of West Bengal), 08 June 2024, ITC Sonar, Kolkata
3. Faculty Lecture on 'Lumbopelvic fracture dislocations evaluation and management', SSWBCON 2024(Annual Conference of Spine Society of West Bengal), 09 June 2024, ITC Sonar, Kolkata
4. Faculty Lecture on 'Patient Safety in OT and OT Etiquette, Sterile Practices in OT', ABC OF TRAUMA(AIIMS Basic Course of Trauma), 10 August 2024, JPNATC, AIIMS
5. Keynote Faculty Lecture on 'Tips and tricks for reduction and fixation in intertrochanteric femur fractures', Delhi Orthopedic Association MIDCON, 11 August 2024, Hyatt Regency, New Delhi
6. Faculty Lecture on 'Neglected Spine Trauma', 6th Annual Neurosurgical Conference 'Maldives Brain and Spine Conference- 2024', 10 September 2024, ADK Hospital, Maldives
7. Faculty Lecture on 'Osteoporotic Spine Fractures: What has changed in last 5 years', Asia Pacific Osteoporosis and Fragility Fracture Society (APOFFS), 20 October 2024, Hotel Park, Connaught Palace, New Delhi, India
8. Faculty Lecture on 'MISS for management of thoracolumbar spine fracture', ISSICON 2024 (International Spine and Spinal Injuries Conference), 26 October 2024, Hotel Le Meridien, New Delhi
9. Faculty Lecture on 'Navigation – various generations and its comparison', ISSICON 2024 (International Spine and Spinal Injuries Conference)(Cadaveric Workshop), 28 October 2024, JPNATC, AIIMS, New Delhi
10. Faculty Lecture on 'Vertebral Osteoporotic Fractures- Recent advances in management', '6th India Arthritis and Osteoporosis Conclave (IAOC 2024), 16 November 2024, Vrindavan
11. Faculty Lecture on 'TL Burst Fracture – let the controversy finally settle', ISIC Spine Course 2024, 23 November 2024, Indian Spinal Injuries Centre, New Delhi.
12. Faculty Lecture on 'Management of Neglected Thoraco Lumbar Fractures'**,** ISIC Spine Course 2024, 23 November 2024, Indian Spinal Injuries Centre, New Delhi.
13. Faculty Lecture on 'Thoracolumbar Fractures: Indication and Techniques of Anterior Stabilization', Spine Symposium- Management Principles of Common Spine Ailments, 1 December 2024, AIIMS, Bhatinda (Punjab)

14. Faculty Lecture on 'Maximizing outcome in the Geriatric Spine', EOA (76th Annual International Congress of the Egyptian Orthopedic Association), 10 December 2024, Cairo, Egypt
15. Faculty Lecture on 'Ankylosing Spine Fractures: Handle with care', EOA (76th Annual International Congress of the Egyptian Orthopedic Association), 12 December 2024, Cairo, Egypt
16. Faculty Lecture on 'Posterior Surgery for TL burst fractures: Universal solution', EOA (76th Annual International Congress of the Egyptian Orthopedic Association), 12 December 2024, Cairo, Egypt
17. Faculty Lecture on 'Percutaneous Lumbar Screws- Technique', AIIMS Cadaveric Workshop -Microscope Assisted Spine Surgery, 15 December 2024, JPNATC, AIIMS, New Delhi
18. Faculty Lecture on 'Inside-out meniscus repair', Cadaveric Course on Arthroscopic Meniscus Repair, 11 January 2025, JPNATC, AIIMS, New Delhi
19. Faculty Lecture on 'Indications for Instrumentation in degenerative Spine', UPORTHOCON 2025 (49th Annual Conference of UP Orthopedic Association), 07 February 2025, The Gaurs Sarovar Premiere, Greater Noida, Ghaziabad, UP
20. Faculty Lecture on 'Trauma Overview', Road Ahead 2025 conference, 09 February 2025, Gwalior, M. P
21. Faculty Lecture on 'lumbo- pelvic fixation', 6th AIIMS- ACSST Pelvic Acetabulum Course, 07 March 2025, JPNATC, AIIMS, New Delhi
22. Faculty for workshop on Demonstration of 'Posterior Approach of Sacrum & SI joint', 6th AIIMS- ACSST Pelvic Acetabulum Course, 09 March 2025, JPNATC, AIIMS, New Delhi
23. Faculty for workshop on Demonstration of 'Thoraco Lumbar Pedicle Screw', World Neurosciences Conclave: Cadaver Workshop, 19 March 2025, JPNATC, AIIMS, New Delhi
24. Faculty Lecture on 'Ankle Spondylitis fractures: Management options', World Neurosciences Conclave: Cadaver Workshop, 22 March 2025, The Leela Ambience, Gurugram

Kapil Dev Soni

1. TCD & e-FAST, RSACPCON 2024, 19 April 2024, Jodhpur
2. Pro-Con-Balanced salt solutions vs unbalanced salt solutions: Are BSS worth the hype? Symposium: Fluid therapy in perioperative & critical Care, 28 April 2024, Delhi
3. Use of USG for central venous catheterization, Karamsad Intensive Care & Pulmonology Symposium (KIPS), 4 May 2024, Anand
4. RV Function, EUROASIA, 20 June 2024, Bangalore
5. Panel discussion: Challenges with Intubation in Critically Ill Patients, EUROASIA, 22 June 2024, Bangalore
6. Techniques of Tracheostomy, Recent Advances in Critical Care (RACC) 2024, 24 August 2024, Delhi
7. Negative trails in Critical Care – They are not Junk!", Recent Advances in Critical Care (RACC) 2024, 25 August 2024, Delhi
8. Panel discussion: Sepsis with mixed types of shock., Recent Advances in Critical Care (RACC) 2024, 26 August 2024, Delhi
9. E-Fast, RAJISACON 2024, 13 September 2024, Jodhpur
10. Management of ARDS in Traumatic BrainInjury, RAJISACON 2024, 14 September 2024, Jodhpur
11. Focused Echocardiography, STACC 2024, 4 October 2024, Varanasi
12. Shock in Trauma understanding haemodynamic Coherence, STACC 2024, 5 October 2024, Varanasi
13. Trauma & E-Fast, Critical Care Update, 15 October 2024, Srinagar
14. Trauma and Shock, Critical Care Update, 16 October 2024, Srinagar
15. Basic Echo, CZ ISACON 2024, 25 October 2024, Orchha
16. Judge: Faculty Paper Presentation, CZ ISACON 2024, 26 October 2024, Orchha
17. Basic of 2 D-Echo, DCCS 2024, 7 November 2024, Delhi
18. Cross sectional study design, Postgraduate Course in Research Methodology, Writing, and Communication, 12 November 2024, Delhi

19. Key Study Designs – Case Control, Cross-Sectional Cohort Study, Research Methodology Workshop at MRU, MAMC, 11 December 2024, Delhi
20. Sample Size Calculation/Estimation, Research Methodology Workshop at MRU, MAMC, 12 December 2024, Delhi
21. Framing the right research Question, Research Methodology for Physicians Workshop**,** 24 January 2025, Coimbatore
22. How I read the Interpret observational Studies, Research Methodology for Physicians Workshop**,** 24 January 2025, Coimbatore
23. How I read and Interpret systematic Review., Research Methodology for Physicians Workshop**,** 24 January 2025, Coimbatore
24. Central Venous Catheterization using Ultrasound, CRITICARE 2025, 3 March 2025, Kochi
25. Chaired Synergy Session on Pulmonary embolism and Organ Retrieval, CRITICARE 2025, 5 March 2025, Kochi
26. Moderated Panel discussion on Trauma Systems in India, CRITICARE 2025, 7 March 2025, Kochi
27. Basic and Advanced Ultrasound in Pulmonary & Critical Care, AIIMS- PULMOCRIT 2025, 20 March 2025, Delhi

Keshav Goyal

1. Traumatic Brain Injury (TBI)*Course Director, ANC 2024, 27-28 April 2024**,** Patna, Bihar
2. Comparative Study of Automated Quantitative pupillometry &Clinical Pupillometry in Neurocritical Care*Best Oral Paper Award, Asia Pacific Society of Neurocritical Care (APNCC), 28-30 June 2024, Kuching Sarawak, Malaysia
3. Geriatric Trauma, ATLS, 06-08 August 2024, Max auditorium, New Delhi
4. End of life care in Neurocritical Care-Panel discussion Moderator, 5th Annual Conference of Neurocritical society of India, 29 August-01 September 2024, Chennai, Tamil Nādu
5. Acute Neuro Care: Algorithmic based approach to Neurological Emergencies, 38th MPISACON, 28-29 September 2024, Rewa, Madhya Pradesh
6. Non-Convulsive status Epilepticus in severe traumatic brain injury, NCS 22nd Annual meeting, 12-19 October 2024, San Diego, California, USA
7. ATLS Train the Trainer, ATLS train the trainer, 24-26 October 2024, Max auditorium, New Delhi
8. Recent advances in Neurocritical Care, ICITACC & Central Zone ISACON 2024, 25-27 October 2024, Orchha Convenstion center, Jhansi (UP)
9. Non-Convulsive status Epilepticus in severe traumatic brain injury*Best Poster award, CRREST Neurology Conclave, 09–12 January 2025, JW Mariottauditorium, New Delhi
10. Non-Convulsive status Epilepticus in severe traumatic brain injury, 27thAnnual conference of Delhi Neurological Association and 23rd Annual Conference of Neuro Nurses (DNACON), 01-02 February 2025, Taj Dwarka, New Delhi
11. Care of Devices: Cleaning and Disinfection, Workshop on infection prevention and control practices under Swachhta Action Plan, 10-14 February 2025, JPNATC seminar hall, New Delhi
12. Traumatic Spine Injury (TSI)*Course Director, ANC2025 workshop, 15-16 February 2025, Chinmaya Neurosciences Center, Bengaluru
13. Sub Arachnoid Hemorrhage (SAH) *Course Director, ANC2025 workshop, 15-16 February 2025, Chinmaya Neurosciences Center, Bengaluru
14. Traumatic Brain Injury (TBI)*Course Director, ANC2025 workshop, 15-16 February 2025, Chinmaya Neurosciences Center, Bengaluru
15. Traumatic Brain Injury, ANC 2025 AIIMS Rishikesh, 29-30 March 2025, AIIMS Rishikesh, Uttarakhand
16. Non-Traumatic Weakness, ANC 2025 AIIMS Rishikesh, 29-30 March 2025, AIIMS Rishikesh, Uttarakhand

Mohammad Kausar

1. Planning for outreach services, Training Programme on Hospital Management and Administration for Medical Superintendents GDMOs, Non Specialist of Coal India Ltd. at IICM, Ranchi, 13 February 2025, Ranchi
2. NDHM & Telemedicine Guidelines, -do-, 13 February 2025, Ranchi
3. RTI Act in hospitals – case studies, -do-, 14 February 2025, Ranchi
4. Medical Record Audit-a primer, -do-, 14 February 2025, Ranchi
5. Quality issues in medication mgmt., -do-, 15 February 2025, Ranchi

Narendra Choudhary

1. Objectifying and predicting outcomes in trauma patients, National Webinar for fellows in Trauma & acute care surgery, organized by National board of Examination for Medical Sciences, 06 April 2024, Online
2. Presentation and Demonstration on First aid care, Trauma Care Centre and Emergency related to Road Safety, Road Safety Audit training program to be conducted by CSIR-Central Road Research Institute (CRRI),26 April 2024, New Delhi
3. Early Recognition and Management of Chest Trauma, Standard treatment guidelines - NHSRC in collaboration with Delhi Society for Promotion of Rational Use of Drugs, 18 May 2024, Online
4. Management of acute traumatic wounds in emergency department, All India Academic Conference of Emergency Medicine (EMINDIA 24), 8 August 2024, Bhopal, Madhya Pradesh
5. Time Management, Workshop on Orientation for newly joined JR and SR in Department of surgical disciplines, 10 August 2024, New Delhi
6. Open abdomen management, UPMASICON 2024, organised by Department of surgery, IMS, BHU Banaras,1 September 2024, Banaras, UP
7. How to tame deadly dozen, Apollo Trauma Master Class, 06 October 2024, Ahemedabad, Gujarat
8. Institutional Experience in MIS for trauma, TUGSS Asia, 26 October 2024, Online
9. Sealing the Leak : Emergency Measures for unstoppable torso bleeding, Trauma 2024, National Annual conference of Indian society for Trauma and acute care, 9 November 2024, Lucknow, UP
10. Management of thoracic injuries, ATLS Provider course, 15 November 2024, Adesh medical college, Ambala
11. Infant BLS, Infant Compressions, AED & Bag-Mask Ventillation;, BLS & ACLS Provider Course, endorsed by AHA, 19 November 2024, SET Facility, AIIMS, New Delhi
12. Open the abdomen, and gush off blood What do you do? National Trauma Conference, 28 November 2024, Colombo, Sri Lanka
13. Implementation of a Trauma, Emergency Surgery and Critical Care Quality Improvement Program, ICMR funded project Workshop on Trauma Quality Improvement Program, 18-19 January.2025, IPGMER, Kolkata
14. Advanced Techniques and tools for Trauma Quality improvement, ICMR funded project Workshop on Trauma Quality Improvement Program, 28-29 January 2025, JIPMER, Puducherry
15. One rescuer adult BLS; AED and Bag- Mask Device, BLS & ACLS Provider Course, endorsed by AHA, 04-06 March 2025, SET Facility, AIIMS, New Delhi
16. Surgical Stabilization of Rib Fractures(SSRF): Technique & Advances, Symposium on Chest Wall Surgery -2025, 21-23 March 2025, Surgery Block, AIIMS. New Delhi

Navdeep Sokhal

1. Anesthetic management of a patient posted for excision of supratentorial tumor, ISNACC education activity, 12 April 2024, Online
2. PSH-Update, NSI webinar- Neurocritical care, 13 April 2024, Online

Niraj Kumar

1. Deep Vein Thrombosis (DVT) USG, From Symptoms to Diagnosis – USE of USG, 8 May 2024, New Delhi
2. Deep Vein Thrombosis (DVT) USG, From Symptoms to Diagnosis – USE of USG, 26 July 2014, New Delhi

3. Traumatic Spine Injury & USG, Acute Neuro Care (ANC), 3-4 August 2024, AIIMS, Kayani
4. Windows to the Brain: Neuromonitoring Tools for the Intensivist, W4C 24, 20-22 October 2024., Bhubaneshwar, Orrisa
5. Nephro Diagnosis & Oncology – (Chairperson) Judge at the Oral-Paper/Poster Session, CRITICARE 2025, 6-9 March 2025, Kochi, Kerala

Nishank Mehta

1. Complications in Spine Surgery – Wrong Level Surgery, DSSCON 2024: 10th Annual Scientific Meeting of Delhi Spine Society, 13-14 April 2024, New Delhi
2. Infected Broken Spinal Implants – Difficult to Extract - Strategies (Panel Discussion), DSSCON 2024: 10th Annual Scientific Meeting of Delhi Spine Society, 13-14 April 2024, New Delhi
3. Shoulder Balance in Adolescent Idiopathic Scoliosis**,** SSWBCON 2024: 3rd Annual Meeting of Spine Society of West Bengal, 8-9 June 2024**,** Kolkata
4. Syndromic Scoliosis**,** SSWBCON 2024: 3rd Annual Meeting of Spine Society of West Bengal, 8-9 June 2024**,** Kolkata
5. Scoliosis in Neurofibromatosis Type-1 (Case-based discussion)**,** SSWBCON 2024: 3rd Annual Meeting of Spine Society of West Bengal, 8-9 June 2024**,** Kolkata
6. Trauma Emergencies: ABC Approach**,** NELS: National Emergency Life Support Course, 6-8 August 2024**,** Bhopal
7. Soft Skills and Good Samaritan Law**,** NELS: National Emergency Life Support Course, 6-8 August 2024**,** Bhopal
8. Stumping Spine Surgeons: Sacral Insufficiency Fractures (Case-based Discussion)**,** MIDCON 2024 (Delhi Trauma Conclave), 11 August 2024**,** New Delhi
9. Newer drugs in management of osteoporosis**,** ICS 2024: Instructional Course in Spine, 22-24 August 2024, Mahabalipuram
10. Degenerative spondylolisthesis (Case-based discussion)**,** ICS 2024: Instructional Course in Spine, 22-24 August 2024**,** Mahabalipuram
11. Cervical-dorsal fixation by pedicle screws under navigation in a case of ankylosing spondylitis (Panel Discussion – Panelist)**,** ISSICON 2024: International Spine and Spinal Injuries Conference, 26-27 October 2024**,** New Delhi
12. 3D Imaging in Spine Surgery: Indications, Technique and Pitfalls**,** ISSICON 2024: International Spine and Spinal Injuries Conference, 26-27 October 2024**,** New Delhi
13. Endoscopy in Degenerative Lumbar Spine Disorders (Panel Discussion – Panelist)**,** DOACON 2024: Annual Conference of Delhi Orthopaedic Association (DOA), 9-10 November 2024, New Delhi
14. Management of Lenke 1AR curve**,** ISIC Spine Course, 22-24 November 2024**,** New Delhi
15. Bone screw: Getting it right every time**,** DOA Basic Trauma Course, 19 January 2025**,** New Delhi
16. Surgical strategy in Potts' Spine**,** UPOACON 2025: Annual Conference of Uttar Pradesh Orthopaedic Association, 7-8 February 2025, Greater Noida
17. Panelist – Case Discussions in Young Surgeons' Forum Session**,** GOACON 2025: Annual Conference of Gujarat Orthopaedic Association, 7-8 February 2025, Ektanagar
18. Trauma Emergencies: ABC Approach, NELS: National Emergency Life Support Course, 24-25 February 2025, Guwahati
19. Communication in Pre-hospital Settings: ISBAR tool, NELS: National Emergency Life Support Course, 24-25 February 2025, Guwahati

Nishtha Chawla

1. Severe Mental Disorders, Faculty development Program at Shaheed Sukhdev College of Business Studies, 11 March 2024, Shaheed Sukhdev College of Business Studies, New Delhi
2. Overcoming marital Incompatibility, Episode of 'Nishchay' of Indo-Tibetan Border Police, 25 June 2024, ITBP Headquarters (Live streamed on official Facebook, Instagram, and YouTube channel of the force), Delhi,
3. Stress and other significant psychological issues, 1st Capacity Building Program (Medical officers, Nursing staff and Pharmacist) at BSF, 20 August 2024, Chhawla, Delhi

4. Invited Panelist for a Journal Club, NBEMS Psychiatry Webinar, 11 September 2024, Online
5. Stress and other significant psychological issues, 2nd Capacity Building Program (Medical officers, Nursing staff and Pharmacist) at BSF, 6 December 2024, Chhawla, Delhi
6. Epidemiology of Mental & Behavioural Disorders in Pediatric Cancer, National Conference on Psychotherapeutic Assessments and Interventions in Psycho-oncology held at AIIMS, New Delhi, 3 January 2025, AIIMS, New Delhi
7. Stress and other significant psychological issues, 3rd Capacity Building Program (Medical officers, Nursing staff and Pharmacist) at BSF, 28 March 2025, Chhawla, Delhi

Pankaj Kr Singh

1. High cervical spinal cord injury-A lost cause or a glimmer of hope, NSCCN 2024, 15 November 2024, Bharatpur, Nepal
2. Pedicle alignment to pedicle reformation in management of Hangman's fracture, Neurosurgeons association of Sri Lanka 4th annual conference, 15 February 2025, Colombo

Pratyusha Priyadarshini

1. How to write review of literature, Workshop for thesis writing, 20 April 2024, AIIMS, New Delhi
2. Trauma First responder workshop, Indira Gandhi Delhi Technical University for Women, 3 April 2024, Delhi
3. Trauma First responder workshop, Bharti college, 26 April 2024, Delhi
4. Tribute to teachers, CME in Surgery, 5 September 2024, AIIMS, New Delhi
5. Evaluation and management of post traumatic peripheral vascular injuries, NBEMS Webinar, 9 September 2024, NBEMS Webinar
6. Management of trauma patient with unstable vital on arrival, NBEMS Webinar, 23 November 2024, JPNATC, AIIMS, New Delhi
7. How to write review of literature, Workshop for thesis writing, 02 November 2024, AIIMS, New Delhi
8. Lower limb amputation, Cadaveric workshop on amputations, 29 March 2025, JPNATC, AIIMS ND.INDIA

Purva Mathur

1. Indian HAI surveillance network**,** India-UK AMR symposium Information**,** 29-30 May 2024**,** Number One Mansingh road, New Delhi
2. Strengthening IPC and HAI surveillance**,** Consultation to Develop National IPC curriculum**,** 25-26 June 2024**,** New Delhi
3. Procedures and practices for IPC& Surveillance of HAIs**,** Tentative Programme Andra Pradesh Training of Trainers Workshop on Infection Prevention and Control**,** 23-26 July 2024**,**
4. Module 2A: Device associated infections**,** IAMM IPC Program**,** 5 August 2024**,** MAMC, New Delhi
5. Chairperson, IABS North Zone 2024 Conference Scientific Program, 06 August 2024, New Delhi, India
6. Busting Myths, Advancing Science, CIDSCON 2024, 16-17 August 2024, Hyderabad
7. Module 2F: Surveillance of HAI-II, IAMM IPC Program, 29 August 2024, MAMC, New Delhi
8. Module 2F: Surveillance of HAI-I, IAMM IPC Program, 27 August 2024, MAMC, New Delhi
9. Module 2D: Blood stream infections, Central line Associated BSIs (CLABSI), IAMM IPC Program, 20 August 2024, MAMC, New Delhi

Richa Aggarwal

1. Oxygen therapy, Focused intensive care training in trauma for nurses, 15 April 2024, JPNATC
2. Oxygen therapy, Focused intensive care training in trauma for nurses, 22 April 2024, JPNATC
3. Oxygen therapy, Focused intensive care training in trauma for nurses, 14 August 2024, JPNATC
4. FAST and beyond, Recent Advances in Critical Care 2024 Conference, 24 August 2024, AIIMS
5. Lung UsG in critically ill patients in workshop, Recent Advances in Critical Care 2024 Conference, 24 August 2024, AIIMS

6. E-FAST in ICU patients in workshop, Recent Advances in Critical Care 2024 Conference, 24 August 2024, AIIMS
7. Panelist in panel discussion-Individualized nutrition therapy in ICU, Recent Advances in Critical Care 2024 Conference, 25 August 2024, AIIMS
8. Shock in Trauma ICU, 2nd Annual International Conference of Society of Trauma Anaesthesia and Critical Care organized by STACC, 6 October 2024, BHU
9. Mode of mechanical ventilation, Mechanical ventilation workshop, 30 November 2024, JPNATC
10. Electrolyte Imbalance, Focused intensive care training in trauma for nurses'", 17 March 2024, JPNATC

Riniki Sarma

1. BLS & ACLS, Workshop for nurses, 22 April 2024, Delhi, India
2. Postoperative pain management, Workshop for nurses, 12 August 2024, Delhi, India
3. Paraoxygenation, AIRWAY 2024, 14 September 2024, Delhi, India
4. Brachial plexus block, AURA 2024, 21 September 2024, Delhi, India
5. Lumbosacral/Parasacral block, AURA 2024, 22 September 2024, Delhi, India
6. Complications of blood transfusion, ISACON 2024, 24 November 2024, Patna, India
7. SIMV & PSV, Mechanical ventilation workshop under ICMR project, 30 November 2024, Delhi, India
8. Sciatic nerve block, AORA 2025, 19 January 2024, Delhi, India
9. Airway management, FITT for nurses, 10-17 March 2025, Delhi, India
10. Airway management in oromaxillofacial trauma, RSACPCON 2025, 30 March 2025, Bhatinda, India

Samarth Mittal

1. Case presentation on Atypical femur fracture in Femur bowed in coronal and sagittal plane- Out of the box thinking, 14th AOTC Trauma Experts Symposium, 05-06 April 2024, Seoul, South Korea
2. Lecture on Scaphoid fractures; an algorithmic approach., 6th Annual Congress of APOA-YSF India Chapter, 26-27 April 2024, Jammu, India
3. Award Paper Session as a Chairperson, 6th Annual Congress of APOA-YSF India Chapter, 26-27 April 2024, Jammu, India
4. Lecture on Tips & ricks in treatment of trochanteric fracture with case presentation, Advance Trauma Course on Proximal femur fractures, 14 July 2024, Muzaffarngar, UP, India
5. Lecture on femoral shaft fractures with fracture neck femur., Advance Trauma Course on Proximal femur fractures, 14 July 2024, Muzaffarngar, UP, India
6. Lecture on use of and practical Demo on TFNA & Traumacem on saw bone, Advance Trauma Course on Proximal femur fractures, 14 July 2024, Muzaffarngar, UP, India
7. Panel discussion on trochanteric fracture, Advance Trauma Course on Proximal femur fractures, 14 July 2024, Muzaffarngar, UP, India
8. Moderator for Faculty Talks, Best of OTA, 25 July 2024, Online
9. Moderator for Q&A Session, Best of OTA, 25 July 2024, Online
10. Chairperson in session on Distal femur Controversies!, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
11. Lecture on Nailing a Plating, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
12. Lecture on Bone loss/ infected distal femur / 2 stage primary masquelet, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
13. Chairperson for session on Proximal Femur., TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
14. Lecture on Augmentation, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
15. Lecture on Poliotic Subtroch fracture managed with plating, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India

16. Lecture on Plating in Coronal Shear injuries, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
17. Lecture on Plating tips and tricks in distal humerus, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
18. Lecture on Relive Surgery: Supra Patellar Nailing Tibia, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
19. Chairperson for session on Proximal Tibia, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
20. Lecture on Nailing in Intraarticular Tibial fractures, TRAUMACON Mumbai-2024, 15-17 August 2024, Mumbai, India
21. Ortho Live, 25 August 2024, Online
22. Chairperson on Lower Limb Trauma., Ortho Odessey, 31 August 2024-01 September 2024, New Delhi, India
23. Lecture on Nailing metaphyseal distal femur and proximal tibia fractures - Tips and tactics., Ortho Odessey, 31 August 2024-01 September 2024, New Delhi, India
24. Lecture on Ankle fracture fixation - Principle based planning., Ortho Odessey, 31 August 2024-01 September 2024, New Delhi, India
25. Panelist on Case Based Discussion on fractures around the knee, Ortho Odessey, 31 August 2024-01 September 2024, New Delhi, India
26. Lecture on Augmentation in Hip Fractures, The Mid-Term Symposium UPOA 2024, 08 September 2024, Gorakhpur, UP, India
27. Lecture on Triangular Elevation and Distraction (TED) Frame: Tubular External Fixator Design for Ankle Joint Fractures, 44th SICOT OWC[D1], 25 September 2024- 27 September 2024, Belgrade, Serbia
28. Comparative Analysis of Clinical, Radiological, and Functional outcomes: Supra-patellar vs. Infra-patellar Techniques of Tibial Nailing in the Indian Population – A Prospective Randomized Controlled Trial, 44th SICOT OWC[D2], 25-27 September 2024, Belgrade, Serbia
29. Lecture on case presentation on Arthroplasty in a case of failed proximal humerus fixation, OTTSCON 2024, 05-06 October 2024, Varanasi, UP, India
30. Lecture on Coronal Shear Fractures of Distal Humerus, The 23rd Annual Conference of Central Zone of IOA (CEZCON 2024), 17-19 October 2024, Agra, UP
31. Lecture on dual Implant Construct in Distal Femur, The 23rd Annual Conference of Central Zone of IOA (CEZCON 2024), 17-19 October 2024, Agra, UP
32. Chairperson for session on Oral free Papers., The 23rd Annual Conference of Central Zone of IOA (CEZCON 2024), 17-19 October 2024, Agra, UP
33. Panelist on Case Based Discussion., The 23rd Annual Conference of Central Zone of IOA (CEZCON 2024), 17-19 October 2024, Agra, UP
34. Osteoporosis- What has changed in Hip fractures over last five years, Osteoporosis: What has Changed Over Last Five Years, 20 October 2024, New Delhi, India
35. Talk on Biomechanics of Femoral Neck System (FNS) in Pauwels Type III Fractures, 2024 Annual Meeting of Orthopaedic Trauma Association, 23-26 October 2024, Montreal, Canada
36. Talk on Triangular elevation and distraction (TED) frame – A tubular external fixator design for fractures around ankle joint 2024 Annual Meeting of Orthopaedic Trauma Association, 2024 Annual Meeting of Orthopaedic Trauma Association, 23-26 October 2024, Montreal, Canada
37. Talk on Comparison of patellofemoral chondromalacia between the Supra-patellar and Infra-patellar Techniques of Tibial Nailing, 2024 Annual Meeting of Orthopaedic Trauma Association, 23-26 October 2024, Montreal, Canada
38. Panel discussion member for session on Distal Tibia Fractures, DOACON 2024, 08-10 November 2024, New Delhi, India
39. Small group discussion on Total hip arthroplasty-surgical approaches, preventing dislocation, and fixation, AO Recon Course- Principles of Total Hip and Knee Arthroplasty, 14-15 November 2024, Jaipur, Rajasthan
40. Lecture on Fixation options in knee replacement., AO Recon Course- Principles of Total Hip and Knee Arthroplasty, 14-15 November 2024, Jaipur, Rajasthan

41. Small group discussion member on How to do a TKR-valgus, varus, kinematic alignment, AO Recon Course-Principles of Total Hip and Knee Arthroplasty, 14-15 November 2024, Jaipur, Rajasthan
42. Chairperson on session-2(GAIT ANALYSIS, APPROACH TO CASE OF KNEE), UPOA PGICL 2024, SAFAI, 16-17 November 2024, Etawah, UP, India
43. Moderator for Short case presentation: Knee by PG's, UPOA PGICL 2024, SAFAI, 16-17 November 2024, Etawah, UP, India
44. Moderator for Short case presentation Shoulder by PG's, UPOA PGICL 2024, SAFAI, 16-17 November 2024, Etawah, UP, India
45. Lecture on When length matters in the foot & ankle session, IOACON, 02-07 December 2024, Bengaluru, Karnatka, India
46. Lecture on Marginal Impactions - Treatment and Management rationale in the AOPAS pelvi-acetabular session, IOACON, 02-07 December 2024, Bengaluru, Karnatka, India
47. Lecture on Nail plus plate in proximal tibia fractures in trauma session, IOACON, 02-07 December 2024, Bengaluru, Karnatka, India
48. Lecture on Augmentation in hip fractures- when and how, 76th Annual International Congress of The Egyptian Orthopaedic Association, 09-11 December 2024, Intercontinental Cairo Citystars, Egypt
49. Chairman for session on Tibial Fractures, 76th Annual International Congress of The Egyptian Orthopaedic Association, 09-11 December 2024, Intercontinental Cairo Citystars, Egypt
50. Lecture on Supra patellar nailing- extending the indications., 76th Annual International Congress of The Egyptian Orthopaedic Association, 09-11 December 2024, Intercontinental Cairo Citystars, Egypt
51. Lecture on Coronal shear injuries of distal femur- when to plate, 76th Annual International Congress of The Egyptian Orthopaedic Association, 09-11 December 2024, Intercontinental Cairo Citystars, Egypt
52. Moderated a session on Orthopaedic Trauma, Orthopaedic Trauma Update in tactics and techniques, 14 December 2024, New Delhi, India
53. Join Organising Secretary, 1st Knee & Hip revision Arthroplasty Conference, 14-15 December 2024, New Delhi, India[D3]
54. Lecture on Upper Extremity Trauma and Fracture Complications., Bone and Joint Academy Webinar, 26 December 2024, Online
55. Chairperson for epgcon Upoa session for paper presentation, UPOA ePGCON 20 25 January 2025, Online
56. Lecture on Distal Femur Complex Trauma Cases., Trauma-X Complex Lower Extremity Trauma, 01 February 2025, New Delhi, India
57. Panelist for Panel discussion on Complex Poly-Trauma, Trauma-X Complex Lower Extremity Trauma, 01 February 2025, New Delhi, India
58. Lecture on Artificial Intelligence in Pelvic Fracture Management, DOA 1st Quarterly meet 2025, 16 February 2025, New Delhi, India
59. Lecture on FNS Implant in Femoral Neck fractures - Is it worth the hype ? 7th International Meet of the Asia Pacific Orthopaedic Association Young Surgons Forum, 21-22 February 2025, Coimbatore, India
60. Moderated on Short Stories - Seeds for Inspiration!, 7th International Meet of the Asia Pacific Orthopaedic Association Young Surgons Forum, 21-22 February 2025, Coimbatore, India
61. Lecture on Tips and Tricks in Distal Humerus Fracture., UAIOACON Haldwani Conference 2025, 28 February 2025-02 March 2025, Haldwani, UP, India
62. Lecture on Complex Shoulder Fracture., UAIOACON Haldwani Conference 2025, 28 February 2025-02 March 2025, Haldwani, UP, India
63. Lecture on Comparison of Patellofemoral Chondromalacia Between the Suprapatellar and Infrapatellar Techniques of Tibial Nailing, American Academy of Orthopaedic Surgeons 2025 Annual Meeting, 10-14 March 2025, San Diego, California
64. Lecture on Suprapatellar Nail in management of Fracture tibia, GOFCON-2025, 22-23 March 2025, Patna, Bihar, India
65. Lecture on Augmentation in hip fracture- When to do, GOFCON-2025, 22-23 March 2025, Patna, Bihar, India

66. Chairperson for session on Fractures around wrist and hand, GOFCON-2025, 22-23 March 2025, Patna, Bihar, India
67. Lecture on Hybrid fixation in proximal Tibial fractures, GOFCON-2025, 22-23 March 2025, Patna, Bihar, India
68. Panelist on Case presentations for fractures around the hip, GOFCON-2025, 22-23 March 2025, Patna, Bihar, India
69. Lecture on Coronal shear injuries of distal femur, GOFCON-2025, 22-23 March 2025, Patna, Bihar, India
70. Lecture on Augmentation in hip fracture- when and how? 4th Annual Symposium of Lucknow Orthopaedic Society, 30 March 2025, Lucknow, UP, India
71. Panelist for session and case on Hip Arthroscopy in Femoral Head Fracture: Small Incision for a big problem, 4th Annual Symposium of Lucknow Orthopaedic Society, 30 March 2025, Lucknow, UP, India
72. Lecture on Fractures -when it's time to say "hello" to a new HIP! My indications., 4th Annual Symposium of Lucknow Orthopaedic Society, 30 March 2025, Lucknow, UP, India

Sanjeev K Bhoi

1. Speaker and expert member in Pre-conference dialogue session, "Strengthening governance and improving data for injury prevention in WHO South East Asia Region" and various other sessions including Delhi Declaration on Injury prevention, 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, Hotel Taj Palace, New Delhi, India.
2. Speaker to give a talk on Post-crash Care in Primary Health Care in SEARO, National Trauma conference, 28-30 November 2024, Colombo Sri Lanka
3. Speaker, National Consultation meeting for Strengthening Trauma care, 26-27 February 2024, Hotel Holiday INN, Candolim, at GOA, by MOHFW GOI
4. Esteemed Speaker at Summit for Automotive Future Advancement in Road Safety(SAFAR), SIAM Road Safety Program:, 19 January 2025, Bharat Mandapam, New Delhi

Sanjeev Lalwani

1. New Criminal Laws for Medical Officers**,** BNSS-2023- Roles and Responsibilities of Medical Professionals**,** 31 July 2024**,** NFSU Delhi
2. Process Of Organ Donation in Medico Legal Cases(MLC) cases/**,** regional workshop on advancing organ transplantation in South- East Asia region. WHO Regional Office for South-East Asia (WHO/SEARO) in collaboration with NOTTO., 19-20 August 2024**,** Delhi
3. Expert Testimony and its significance in deciding cases by the court, Induction Course in Forensic Science, 20 August 2024, NFSU Delhi
4. New Criminal Laws for Medical Officers, BNSS-2023- Roles and Responsibilities of Medical Professionals, 19 September 2024, NFSU Delhi
5. "New Indian Criminal Laws – Medico Legal Perspectives", Karnataka Medico-Legal Society Conference (KAMLSCON 2024), at Jawaharlal Nehru Medical College, Belagavi, Karnataka., 8-9 November 2024, Belagavi India
6. Injuries- their interpretation and Medicolegal Relevance, Training Course on Forensic Science and Forensic Medicine, 9-13 December 2024, NFSU Delhi
7. Analysis of Postmortem Reports of murder cases, A 4-week induction course for newly recruited public prosecutors and Assistant Public Prosecutors, 5 February 2025, Ghaziabad UP
8. Conducting Medical Examination of the Victim – Procedural & Legal Safeguards Collection of Samples for DNA Profiling & other Forensic Examinations, Training Programme for Ensuring Sensitive Handling of the Cases Relating to Sexual Offences against Children' for Doctors of the NCT of Delhi, 20 March 2025, Delhi
9. Preparing Medico-legal Case Reports, Training Programme for Ensuring Sensitive Handling of the Cases Relating to Sexual Offences against Children for Doctors of the NCT of Delhi, 20 March 2025, Delhi

Sharmishtha Pathak

1. Care of Neurotrauma patient, Focused Intensive Care Training for Nurses Workshop (FITT), 15 April 2024, New Delhi, India

2. Care of Neurotrauma patient, Focused Intensive Care Training for Nurses Workshop (FITT), 22 April 2024, New Delhi, India
3. Paediatric Trauma, ATLS Provider Course, 20 June 2024, New Delhi
4. Shock, ATLS Provider course, 25 July 2024, New Delhi, India
5. Trauma in Pregnancy, ATLS Provider course, 26 July 2024, New Delhi, India
6. Evoked potentials, ONSD and POCUS in ICU, Multimodal Neuromonitoring Workshop at 5th Annual conference of Neurocritical Care Society of India, 29 August 2024, Chennai, Tamil Nadu
7. Airway and Breathing, Immediate Trauma Life Support Workshop at RAJISACON, 13 September 2024, Jodhpur, Rajasthan
8. Femoral and Obturator Nerve Block, Spine and TLIF block, 9th AIIMS USG guided regional anaesthesia (AURA) workshop, 21-22 September 2024, New Delhi, India
9. ICD insertion – indications and technique, 2nd Annual conference of Society of Trauma Anaesthesia and Critical Care, 04 October 2024, Varanasi, India
10. NCSI – Journal Club, Neurocritical care society of India, 10 October 2024, New Delhi, India
11. Role of Transcranial doppler in SAH, 2nd annual Transcranial Doppler Masterclass cum hands-on workshop, 15 November 2024, Chandigarh, India
12. Additional modes of ventilation – PRVC, Autoflow, APRV, Under ICMR project, 30 November 2024, New Delhi, India
13. Anterior lumbar plexus and sciatic nerve block, ULTRASOUND GUIDED CADAVERIC REGIONAL ANESTHESIA WORKSHOP, 19 January 2025, New Delhi, India
14. E-FAST, 26th Annual Conference of Indian Society of Neuroanaesthesia and Critical Care, 23 January 2025, Trivandrum, Kerela
15. Care of Neurotrauma patient, Focused Intensive Care Training for Nurses Workshop (FITT), 10 March 2025, New Delhi, India
16. Care of Neurotrauma patient, Focused Intensive Care Training for Nurses Workshop (FITT), 17 March 2025, New Delhi, India

Shivanand G

1. TACE VS TARE, Advances in Gi Oncology -A Multidisciplinary Approach, 11 May 2024, Delhi
2. Response Assessment of HCC following locoregional therapy, AIG : IRIS, 8-9 June 2024, Hyderabad
3. Response Assessment of HCC following locoregional therapy, Artemis Radiology Update 2024", a "CME on Body Imaging-Hepatobiliary, Pancreas and Kidney, 28 July 2024, Gurugram
4. Interventional treatment of HCC., Foundation course of GI surgeons, 3 August 2024, Chandigarh
5. Managing peripheral arterial trauma: The IR way, Multidisciplinary CME on managing peripheral arterial diseases: Save the limb, 24 August 2024, Delhi
6. GI Hemorrhage : Imaging and Interventions, AIIMS-MAMC-PGI Imaging Course Series : Gastrointestinal and hepatobiliary imaging, 10-11 August 2024, Delhi
7. IR treatments in Gastroenterology, GYM (Gastroenterology Young masters), 01 September 2024, Delhi
8. Interventional treatment of HCC., 7th Annual Conference Of Isgar, 8-9 November 2024, Guwahati
9. Role of Interventional Radiology in Acute Trauma Care, International Conference on Trauma and Acute Care. ITACC 2024, 12 December 2024, Gurugram
10. TACE & TARE in liver tumours : How do I chose, Delhi Imaging Update, DIU CARNIVAL 2024, 20-21 December 2024, Manesar
11. Below Knee Revascularisation: How I do It? Vascular Interventional Radiology Symposium f, 14-15 December 2024, Delhi
12. Non-Traumatic Musculoskeletal Emergencies A Quick Response Challenge, AOCR 2025 and 77th Annual conference of IRIA, 23-26 January 2025, Chennai

13. Early TIPS versus a stepwise strategy for treating Budd- Chiari syndrome- Do we have a winner? Annual Conference ISVR 2025, 6-9 February 2025, Kochi
14. Gi Bleed Imaging And Interventions, Radiology CME " Abdominal Imaging: A Primer, 7 March 2025, Kolkata
15. Biliary Interventions : Tips and Tricks, Radiology CME " Abdominal Imaging: A Primer, 7 March 2025, Kolkata
16. Peripheral vascular Disease: Imaging and Interventions, AIIMS-MAMC-PGI Imaging Course Series : Chest and cardiovascular Imaging, 21-22 March 2025, Delhi
17. Gynecological vascular Interventions, ICRI Webinar, 20 March 2025, Online

Siddharth Jain

1. Complex Reconstruction for Rectourethral fistulas, NZ Mid Term CME RECON Jammu, 7 April 2024, Jammu, India
2. Master-class: Male posterior urethral stricture disease and surgical decision making, NZ Mid Term CME RECON Jammu, 7 April 2024, Jammu, India
3. Brain Storming Session 7: Recommending Tips For Low-Cost CIC (Catheter Reuse, Material, Storage), FUSICON 2024, 19-20 April 2024, Hyderabad, India

Subodh Kumar

1. Pre-hospital Trauma Care- Saves a life, Dialogues in Health and Wellness programme by India International Centre (IIC), 11 May 2024, New Delhi
2. Damage control resuscitation - evolution, indication, principles and stages, EMERGE- Mastering the Art of Trauma Care, 19 May 2024, Kochi
3. Current perspective of Trauma Education in India, Trauma 2024-14th Annual Conference of ISTAC and 2nd Annual Conference of UP Chapter ISTAC, 09 November 2024, Lucknow
4. Chest wall injury: Principles of management, Symposium on Chest Wall Diseases-2025, 21 March 2025, New Delhi
5. Management of Thoracic Injury, LHMC Surgery PG Clinical Update 2025, 28 March 2025, New Delhi

Sushma Sagar

1. First response to Road safety and Injury prevention, Indian Road Safety Campaign for DU colleges, 3 April 2025, Indira Gandhi Delhi Technical University for Women, Delhi
2. Mass Casualty Management and preparing health care institutions and Hospital Disaster Management Plan, Emergency Health Management & Psycho-social Support in Disaster Situation, 01 May 2024, Haryana Institute of Public Administration Gurugram
3. Pre-hospital Trauma care saves a life, Road traffic injuries for bystanders, 11 May 2024, Multipurpose hall IIC Delhi
4. Epidemiology and Psychiatry Morbidity in Pediatric Amputees following trauma: A Ten-year experience from level I Trauma Centre, 26th World Congress of IACAPAP 2024, 20 May 2024, Rio de Janerio Brazil
5. First response to Road safety and Injury prevention, Indian Road Safety Campaign for DU colleges, 29 June 2024, Trinity Institute of Professional Studies, Dwarka
6. Insights into design and conduct of clinical investigation of Investigational medical devices, ICMR webinar Series, 13 August 2024, Hybrid mode New Delhi
7. First response to Road safety and Injury prevention, Indian Road Safety Campaign for DU colleges, 30 August 2024, Aryabhatt college DU Delhi
8. First response to Road safety and Injury prevention, Indian Road Safety Campaign for DU colleges, 11 September 2024, Kalindi College DU Delhi
9. First response to Road safety and Injury prevention, Indian Road Safety Campaign for DU colleges, 17 September 2024, Delhi Technological University (DTU) Delhi
10. First response to Road safety and Injury prevention, Indian Road Safety Campaign for DU colleges, 23 September 2024, Sri Aurbindo College Delhi

11. Childhood Trauma and Its Consequences: A Psychiatric Perspective on Amputation and Recovery, International Conference on Child and Adolescent Mental Health 2024 (ICCAMH 2024), 1-2 October 2024, Kathmandu, Nepal
12. Challenges and Innovations in Extremity Trauma Reconstruction, Trauma Update-2024World Trauma Day, 17 October 2024, AIIMS Nagpur
13. How to Prevent Trauma and Stroke, RJS Positive Broadcasting House on World Trauma Day, 20 October 2025, Online mode Delhi
14. Amputation: A New Management Approach, TRAUMA 202414th Annual Conference of ISTAC & 2nd Annual Conference of UP Chapter ISTAC, 9 November 2024, KGMU Lucknow
15. Chest and Abdominal Trauma, SURGICON 2024, 16 November 2024, PHD House Delhi
16. Amputee care to 3D printing : My journey, NAMSCON 2024, 23 November 2024, AIIMS Jodhpur
17. 3D Printing for Surgeons: Where to Begin, 3D Printing Workshop for Medical Devices, Simulation & Innovation Neuro-Engineering Workshop Series Supported by ICMR COE - AIIMS + IITD, 14 December 2024, IIC Delhi
18. 3D printing for Surgeons, 2nd CME of Surgical Innovation Lab, ICMR, MDMS initiative, 21 February 2025, SIL CME AIIMS Delhi
19. Mental Health of Women Facing Violence, 10th World Congress of Women Mental Health, 7 March 2025, NIMHANS Bengaluru
20. Amputation Clinic at JPNATC: An 11 year journey, 1st Hands-on Cadaveric workshop on lower limb amputation Do's and Don'ts, 29 March 2025, AIIMS Delhi

Suvashis Dash

1. Burns, LMIS**,** 6 April 2024, Online
2. Soft Tissue Cover of Upper Limb, NBE Webinar, 27 April 2024, Online
3. Basic of soft tissue reconstruction in lower limb, NBE Webinar, 4 May 2024, Online
4. Hypospadias, LMIS, 15 June 2024, Online
5. Management of Burns, bites, choking, drowning, NELS Paramedics ToT program under MoHFW _, 25-27 July 2024, SNM Hospital, Leh, Ladhak
6. Neck Fasciotomy for Circumferential Head and Neck Burns: Improving oedema Relief and Early Ventilator Weaning - An Exploratory Study., 2024 ISBI/BBA Congress, 18-22 August 2024, Birmingham United Kingdom
7. Challenges and Strategies in Breastfeeding Management for Acute Burn Patients: Proposal of a Case- Based Classification, 2024 ISBI/BBA Congress, 18-22 August 2024, Birmingham United Kingdom
8. Multilingual Picture Books for Burn Awareness in School Children: A Pre- and Post-Study Analysis., 2024 ISBI/BBA Congress, 18-22 August 2024, Birmingham United Kingdom
9. Factors and Framework for Resident Training and Education in Trauma Reconstruction: An Analytical Study, APSICON 2024, 12-16 September 2024, Coimbatore, Tamil Nadu
10. Peripheral nerve injuries -1, NB E Webinar, 28 September 2024, Online
11. Peripheral nerve injuries -1, NBE Webinar, 5 October 2024, Online
12. Pedicled Flaps in Trauma Reconstruction: Techniques and Indications" – An overview of pedicled flaps, their applications in trauma cases, and case-based discussions., UCL webinar, 18 October 2024, Online
13. Hand Trauma: Case-Based discussion and Management, UCL webinar, 22 November 2024, Online
14. Reconstruction of Paediatric segmental Upper Limb Bony Defects by Free Fibula Flap for: A Case Series, National Trauma Conference 2024, 28 November 2024, Colombo, Sri Lanka,
15. 3d printing in surgical research, UCL webinar, 11 December 2024, Online
16. Trauma and burns -First aid common emergency, First aid training of airport Rescue and firefighting personnel-Airport health authority rescue– Indira Gandhi International airport, 29 January 2024, IG airport, New Delhi
17. Trauma and burns -First aid common emergency, First aid training of airport Rescue and firefighting personnel-Airport health authority rescue– Indira Gandhi International airport, 11 February 2025, IG airport, New Delhi

Swati Tyagi

1. Role of Virtual Autopsy in Forensic Anthropology, Workshop on Virtual Autopsy, jointly organized by ICRC and ICMR Headquarters, 24 April 2024, New Delhi
2. Establishing the Cause in Sudden Unexplained Death in Young, Workshop on Virtual Autopsy in Sudden Death, 23 November 2024, New Delhi

Tej Prakash Sinha

1. Speaker and expert member in Pre-conference dialogue session, "Strengthening governance and improving data for injury prevention in WHO South East Asia Region" and various other sessions including Delhi Declaration on Injury prevention, 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, Hotel Taj Palace, New Delhi, India.
2. Speaker to give a talk on Post-crash Care in Primary Health Care in SEARO, National Trauma conference, 28-30 November 2024, Colombo Sri Lanka
3. Speaker, National Consultation meeting for Strengthening Trauma care, 26-27 February 2024, Hotel Holiday INN, Candolim, at GOA, by MOHFW GOI
4. Esteemed Speaker at Summit for Automotive Future Advancement in Road Safety(SAFAR), SIAM Road Safety Program:, 19 January 2025, Bharat Mandapam, New Delhi

Vijay Sharma

1. Absolute Stability and Lag Screw Principle, AIIMS Basic Course Of Trauma, 9-10 August 2024, Delhi
2. Modular External Fixator Application, AIIMS Basic Course Of Trauma, 9-10 August 2024, Delhi
3. Pelviacetabular Fractures (Moderator), Delhi Orthopaedics Association MIDCON, 11 August 2024, Delhi
4. Trochanter Fracture Salvage, 3rd National Conference Orthopaedics Training Society, 5-6 October 2024, Uttar Pradesh
5. Decision Making Acetabular fractures, DOACON, 8-10 November 2024, Delhi
6. Tips for reduction and fixation in Posterior Injuries, DOACON, 8-10 November 2024, Delhi
7. Strategies for Managing Fragility Fractures, India Arthritis And Osteoporosis Conclave 6thEdition IAOC-2024, 16 November 2024, Uttar Pradesh
8. Floating Hip Injuries, 69th Annual Conference of Indian Orthopaedics Association, 4-5 December 2024, Bengaluru, Karnataka
9. Management principles for the treatment of diaphyseal fractures, AO Trauma Basic Course Basic Principles of Fracture Management, 31 January 2025-2 February 2025, Chandigarh
10. Management of a type 44C malleolar fracture, AO Trauma Basic Course Basic Principles of Fracture Management, 31 January 2025-2 February 2025, Chandigarh
11. Emergency management of pelvic fracture-a critical skill can save lives, AO Trauma Basic Course Basic Principles of Fracture Management, 31 January 2025-2 February 2025, Chandigarh
12. Complications following Acetabulum Fracture Surgeries, 58th Annual Conference of the Tamil Nadu Orthopaedics Association (TNOA CON-2025), 7-9 February 2025, Tamil Nadu
13. Intraoperative Setup (Inventory & Imaging), 6th AIIMS-ACSST PELVICACETABULUM COURSE(2nd Annual Conference of Society of Pelvic- Acetabular Surgeons (SPAS)), 7-9 March 2025, Delhi
14. Video Demonstration of Ilio-Inguinal approach, 6th AIIMS-ACSST PELVICACETABULUM COURSE(2nd Annual Conference of Society of Pelvic- Acetabular Surgeons (SPAS)), 7-9 March 2025, Delhi

Vivek Trikha

1. Distal Femur Gap Nonunion, 14th AO Technical Commission Expert Symposium, 5-6 April 2024, Seoul, Korea
2. Emergency fixation of Pelvic Fractures, 6th Annual Conference of AOPAS, 20-21 April 2024, Kochi, Kerala, India
3. My worst case: Pelvic-acetabular fractures, 6th Annual Conference of AOPAS, 20-21 April 2024, Kochi, Kerala, India
4. Nonunion proximal tibia, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra

5. Intercondylar humerus in elderly: New trick to manage, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
6. Decision making in Complex elbow fracture dislocation, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
7. Femoral head fracture, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
8. Pelvic fracture how to manage, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
9. Ipsilateral neck femur and shaft femur, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
10. Infected gap nonunion ulna, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
11. Challenging injury glenoid, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
12. Neglected humerus fracture dislocation, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
13. Glenoid video, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
14. Posterior wall fracture of acetabulum: Video, Traumacon 2024, 16-17 August 2024, Mumbai, Maharashtra
15. Acute pelvic Management: Skill to save life, AO Basic Principles of Fracture Fixation Course, 26-28 August 2024, Ahmedabad, Gujarat
16. Treatment of anterior pelvic ring injuries, AO Trauma Pelvi-acetabular Course, 12-14 September 2024, Beijing, China
17. KL Approach-indications and techniques of reduction and fixation, AO Trauma Pelvi-acetabular Course, 12-14 September 2024, Beijing, China
18. Marginal impaction of acetabular fractures, 44 SICOT Congress, 25-27 September 2024, Belgrade, Serbia
19. Nonunion and malunion of pelvic fracture, 44 SICOT Congress, 25-27 September 2024, Belgrade, Serbia
20. Ilioinguinal approach, Davos Courses 2024 AO Pelvic Course with Anatomical Specimen, 1-6 December 2024, Davos, Switzerland
21. ABC fracture reduction and management, Davos Courses 2024 AO Pelvic Course with Anatomical Specimen, 1-6 December 2024, Davos, Switzerland
22. Anterior Pelvic Ring Injury, 2nd TOTS International Pelvic Course, 16-18 January 2025, Chiang Mai, Thailand
23. Sacral Fracture and Spinopelvic Fixation, 2nd TOTS International Pelvic Course, 16-18 January 2025, Chiang Mai, Thailand
24. Shattered distal femur fracture, 28th Annual conf of TSI CCT 2025, 1-3 March 2025, Indore, MP, India
25. Posterolateral fracture of tibia condyle, 28th Annual conf of TSI CCT 2025, 1-3 March 2025, Indore, MP, India
26. Glenoid Fracture, 28th Annual conf of TSI CCT 2025, 1-3 March 2025, Indore, MP, India
27. Infected Ulna Fracture, 28th Annual conf of TSI CCT 2025, 1-3 March 2025, Indore, MP, India
28. KL Approach: Video, 28th Annual conf of TSI CCT 2025, 1-3 March 2025, Indore, MP, India

Yudhyavir Singh

1. Catheter Care Bundles, AIIMS NURSING CRITICAL CARE WORKSHOP, 15 April 2024, New Delhi, India
2. Catheter Care Bundles, AIIMS NURSING CRITICAL CARE WORKSHOP, 22 April 2024, New Delhi, India
3. Fascia Iliaca Block, PENG Block, Femoral Nerve Block, USG GUIDED CADAVERIC REGIONAL ANESTHESIA WORKSHOP, 4 May 2024, New Delhi, India
4. Adult CPR, National Emergency Life Support Course, 25 July 2024, Leh, Ladhak, India
5. Chain of Survival, National Emergency Life Support Course, 25 July 2024, Leh, Ladhak, India
6. Automated External Defibrillation, National Emergency Life Support Course, 25 July 2024, Leh, Ladhak, India
7. Pediatric CPR, National Emergency Life Support Course, 25 July 2024, Leh, Ladhak, India
8. Bronchoscopy Workshop, Recent Advances in Critical Care (RACC 2024), 24 August 2024, New Delhi, India
9. Cadaveric Needling for Axillary Block, 9th AURA 2024, JPN Apex Trauma Centre, 21 September 2024, New Delhi, India

10. Cadaveric Needling for PENG and Fascia Iliaca Block, 9th AURA 2024, JPN Apex Trauma Centre, 21 September 2024, New Delhi, India
11. Interpreting and Applying Microcirculation, Lactic Acidosis, ScVO2(Hemodynamic Monitoring Workshop), BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
12. Shock: Classification & Role of Hemodynamic Monitoring (Hemodynamic Monitoring Workshop), BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
13. Physics of Pressure Monitoring (IBP, CVP, PAC) (Hemodynamic Monitoring Workshop), BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
14. Case Scenario Discussion BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
1. Obstructive Shock; BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
2. Cardiogenic Shock BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
3. **(Hemodynamic Monitoring Workshop),** BAPICON 2024, 15 November 2024, Darbhanga, Bihar, India
15. Weaning Strategy, Under ICMR project Workshop, 30 November 2024, New Delhi, India
16. Special Considerations in ICU, FCCS Course, at SRMS Medical College., 8 February 2025, Bareilly, India
17. Integrated Traumatic Brain Injury Scenario Skill Station, FCCS Course, at SRMS Medical College., 9 February 2025, Bareilly, India
18. Mechanical Ventilation Part II Skill Station, FCCS Course, at SRMS Medical College., 9 February 2025, Bareilly, India
19. Lower Trunk (Blocks for abdominal surgery, SC TAP, TAP, Ilioinguinal and Blocks for HIP SIFI and PENG, Ultrasound Guided Regional Anaesthesia Workshop (AORA & AACCT), 19 January 2025, New Delhi, India
20. Catheter Care Bundles, Focused Intensive Care Training for Nurses Workshop (FITT), 10 March 2025, New Delhi, India
21. Catheter Care Bundles, Focused Intensive Care Training for Nurses Workshop (FITT), 17 March 2025, New Delhi, India

LECTURES DELIVERED OVER PAST THREE YEARS

2022–2023	2023–2024	2024–2025
448	582	694

II.**List of oral papers/posters presented: 239**

1. Ahmed J, Aggarwal R, Singh Y, Drowning associated pneumonia, a relatively unknown entity in the urban ICU., 31st CritiCare 2025, Indian society of Critical Care Medicine, 5-9 March 2025, Kochi, Kerala, India
2. Ahmed NM, Ningombam Aparna, Kirti Madhavi, Tluanpuii Vanlal, Das Chandra Bharat, Mathur Purva, Lab Quality Improvement Through Proactive Risk Assessment at Level -1 Trauma Centre., Indian Association of Medical Microbiologists Delhi Chapter (IAMM) 2024, 10 August 2024, MAMC, New Delhi1
3. Ahmed NM, Shankar A, Verma S, Kirti M, Tluanpuii V Ashita, Thomas J, Ningombam A, Soni KD, Aggrawal R, Kumar S, Sagar S, Gupta D, Bindra A, Farooque K, Mathur P, Exploring therapeutic avenues: Evaluating the efficacy of aztreonam and ceftazidime-avibactam in broth disk elution (BDE) tests for carbapenem-resistant pathogens., Global South Conference on Infection Prevention and Control and Antimicrobial Stewardship (G-SPARC 2024), 3-5 October 2024, Hyderabad
4. AK Malaisamy, R Vaidyanathan, A Kumar, N S Bhavesh, A longitudinal pilot study on hemodynamically stable isolated torso trauma patients, Global Submit on Metabolomics 2025, 25-26 February 2025, IIT Bombay
5. Alam J, Mir N, Sagar S, Selvi A, Bhatia R, Mir H A, Kumar S, Bagaria D, Sagar R, Impact of rTMS versus Drug therapy on Phantom limb pain in lower limb amputation patients following trauma: A Randomized Controlled Trial, National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka
6. Alam J, Mir N, Sagar S, Selvi A, Bhatia R, Mir H A, Kumar S, Bagaria D, Sagar R, Impact of rTMS versus Drug therapy on Phantom limb pain in lower limb amputation patients following trauma: A Randomized Controlled Trial, National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka

7. Alam J, Mir N, Sagar S, Selvi A, Bhatia R, Mir H A, Kumar S, Bagaria D, Sagar R, Impact of rTMS versus Drug therapy on Phantom limb pain in lower limb amputation patients following trauma: A Randomized Controlled Trial, National Trauma Conference, 28-30 November 2024, Colombo, Sri Lanka
8. Alam J, Mir N, Vedasamhita C, Mir AH, Priyadarshini P, Sagar S, Prosthetic limb by choice not by fate: An experience from Amputation clinic, International Surgical week 2024, 25-29 August 2024, Kuala Lumpur, Malaysia
9. Alam J, Mir N< Vedasamhita C, Mir AH, Priyadarshini P, Sagar S, Prosthetic limb by choice not by fate: An experience from Amputation clinic, International Surgical week 2024, 25-29 August 2024, Kuala Lumpur, Malaysia
10. Albert V, Selvi S A, Prakash S, Trikha V, Kumar A, A Preliminary Study to Identify Circulating miRNAs in Osteoporotic Trauma Fracture Patients as Potential Biomarkers and therapeutic targets, IABS 2024 "Annual Conference on Indian Academy of Biomedical Sciences (IABS-2024 North Zone), 5-6 August 2024, AIIMS, New Delhi
11. Albert V, Subramanian A, Pati H P, Agrawal D, A Prospective Study of the Impact of Platelet-Rich Plasma and Fresh Frozen Plasma Transfusion Ratios on Mortality in Severe Traumatic Brain Injury, Transmedcon 2024, the annual national conference of the Indian society of transfusion medicine (ISTM), 27-29 September 2024, Tamil Nadu -Mahabalipuram
12. Albert V, Subramanian A, Pati H, Bhoi S, Agrawal D, Early Pathophysiological Insights and Prognostic Biomarkers of Trauma-Induced Coagulopathy in Severe Isolated Traumatic Brain Injury, 4th Research Day 2024, 28-29 January 2025, AIIMS, New Delhi
13. Albert V, Subramanian A, Sharma S, Nehra S, Sagar R, Study of Neurotrophic Factors and Neuropsychiatric Symptoms in mTBI: Exploring the Role of Spreading Depolarizations, 25th International Conference on Spreading Depolarizations ICSD 2024, 13-17 November 2024, Antalya, Turkey
14. Ambashta K N, Kumari A, Puraswani M, Ningombam A, Soni D K, Aggarwal R, Sagar S, Kumar S, Farooque K, Mathur P, Assessment of Factors Contributing to the Rise of Pseudomonas spp. Infection in a Tertiary Care Center, 4th Research Day, 29-30 January 2025, AIIMS, New Delhi
15. Ambashta K N, Kumari A, Puraswani M, Ningombam A, Soni D K, Aggarwal R, Sagar S, Kumar S, Farooque K, Mathur P, Assessment of Factors Contributing to the Rise of Pseudomonas spp. Infection in a Tertiary Care Center, 4th Research Day, 29-30 January 2025, AIIMS, New Delhi
16. Ambashta NK, Puraswani M, Ningombam A, Soni KD, Aggarwal R, Sagar S, Kumar S, Farooque K, Mathur P, Assessment of Factors Contributing to the Rise of Pseudomonas spp. Infection in a Tertiary Care Center, Research Day, AIIMS, 28 January 2025, AIIMS, New Delhi
17. Arora V, Prabhakar V, Jhansi L M, Bodh DP, Satapathy A, Selvi A, Kumar A, Gamangatti S, Lalwani S, Fat Embolism As a Complication of Facet Fracture of Vertebra- A Rare Case Report12, Forensic EYE 2024, 29 -30 March 2024, HIMS, Dehradun, Uttrakhand
18. Ashita A, Ambashta KN, Puraswani M, Ningomabam A, Soni DK, Aggrawal P, Sagar S, Kumar S, Farooque K, Mathur P, Genomic analysis of Clinical & Environmental isolates of Acinetobacter baumannii from different Nosocomial infections using functional genomics, 4th Research Day, 29-30 January 2025, AIIMS, New Delhi
19. Ashita A, Ambashta KN, Puraswani M, Ningomabam A, Soni DK, Aggrawal P, Sagar S, Kumar S, Farooque K, Mathur P, Genomic analysis of Clinical & Environmental isolates of Acinetobacter baumannii from different Nosocomial infections using functional genomics, 4th Research Day, 29-30 January 2025, AIIMS, New Delhi
20. Ashita A, Ambashta NK, Puraswani M, Ningombam A, Soni KD, Aggarwal R, Sagar S, Kumar S, Farooque K, Mathur P, Genomic Analysis of Clinical and Environmental isolates of Acientobacter baumannii from different nosocomial infections using functional genomics., Research Day, AIIMS, 28 January 2025, AIIMS, New Delhi
21. Asjad Mahmood, Sandeep Sehrawat, Is Femoral neck system sufficient for treating adult pauwel type III neck femur fractures ? An analysis of three cases and associated intraoperative clinical results, DOACON 2024, 09 September 2024, Delhi, India
22. Bagaria D K; Alam J; Choudhary N; Kumar A; Sinha T P; Mittal M; Kumar S; Gupta A; Selvi S A; Sagar S, Parathyroid hormone as a marker for trauma resuscitation: a prospective exploratory study, International Surgical Week ISW 2024, 25-28 August 2024, Kuala Lumpur, Malaysia
23. Bagaria D, Sagar S, Gupta A, Kumar S, Kumar A, Choudhary N, Alam J Mittal S, Sinha TP, Selvi A, Parathyroid hormone as a marker for trauma resuscitation: A prospective exploratory study., World Congress of The International Society of Surgery and International Surgical Week -2024, 25-29 August 2024, Kuala Lumpur, Malaysia

24. Balasubramanian M, Projoyita S, Kumar S, Sagar S, Mathur P, Prescription audit of outpatient department in tertiary care trauma centre of North India using WHO indicators- An Observational study, 4th Research day, 29-30 January 2025, AIIMS, New Delhi

25. Balasubramanian M, Samantha P, Kumar S, Sagar S Farooque K Sharma V, Trikha V, Mittal S, Srivastav S, Gupta D, Mehta N, Singh VK, Thakur AK, Parveen R, Srivastava AK, Sharma D, Puraswani M, Ningombam A, Mathur P, Prescription Audit of Outpatient Department in Tertiary Care Trauma Centre of North India Using WHO Indicator- An observational Study, HISI, Delhi Chapter, 14 December 2024, AIIMS, New Delhi

26. Balasubramanian M, Samantha P, Kumar S, Sagar S, Farooque K, Sharma V, Trikha V, Mittal S, G Srivastav S, Gupta D, Mehta N, Singh VK, Thakur AK, Parveen R, Srivastava AK, Sharma Di, Puraswani M, Ningombam A, Mathur P, Observational Study on Prescription Pattern Audit of Outpatient Department Patients in a North Indian Trauma Centre using WHO Indicators, International Patient Safety Conference (Organised by Apollo), 21-22 February 2025, Bharat Mandap New Delhi

27. Balasubramanian M, Samantha P, Kumar S, Sagar S, Farooque K, Sharma V, Trikha V, Mittal S, G Srivastav S, Gupta D, Mehta N, Singh VK, Thakur AK, Parveen R, Srivastava K, Ashish, Sharma D, Puraswani M, Ningombam A, Mathur P, Prescription Audit of Outpatient Department in Tertiary Care Trauma Centre of North India Using WHO Indicator- An observational Study, Research Day, AIIMS, 28 January 2025, AIIMS, New Delhi

28. Batra D, Kumar A, Priyadarshini P, Choudhary N, All roads to find cover- a paradigm shifting in trauma, Trauma 2024, 09-10 November 2024, Lucknow, UP

29. Batra D, Sagar S, Gupta A, Kumar S, Mishra B, Priyadarshini P, Bagaria D, Chaudhary N, Kumar A, Alam J, All roads to find cover- a paradigm shifting in trauma, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 10 November 2024, Lucknow, U.P.

30. Batra D, Sagar S, Gupta A, Kumar S, Mishra B, Priyadarshini P, Bagaria D, Chaudhary N, Kumar A, Alam J, All roads to find cover- a paradigm shifting in trauma, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 10 November 2024, Lucknow, U.P.

31. Batra D, Sagar S, Gupta A, Kumar S, Mishra B, Priyadarshini P, Bagaria D, Chaudhary N, Kumar A, Alam J, All roads to find cover- a paradigm shifting in trauma, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 10 November 2024, Lucknow, U.P.

32. Batra D, Sagar S, Gupta A, Kumar S, Mishra B, Priyadarshini P, Bagaria D, Chaudhary N, Kumar A, Alam J, All roads to find cover- a paradigm shifting in trauma, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 10 November 2024, Lucknow, U.P.

33. Batra D, Sagar S, Gupta A, Kumar S, Mishra B, Priyadarshini P, Bagaria D, Chaudhary N, Kumar A, Alam J, All roads to find cover- a paradigm shifting in trauma, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 10 November 2024, Lucknow, U.P.

34. Bharti A, Chawla N, Culture-bound syndrome: A Narrative Review (poster), Annual Conference of Indian Psychiatric Society, North Zone (ACIPSNZ) 2024, 28-29 September 2024, Bikaner, Rajasthan

35. Bharti G, Selvi SA, Trikha V, Mittal S, Datta SK, Sehgal T, Malhotra R, Serum complement C3 and C4 levels in patients undergoing intramedullary nailing for fracture shaft femur: a prospective study, IFCC World Lab 2024 Congress in Dubai (26-30 May 2024)., 26-30 May 2024, Dubai

36. Bhavana, Mahey R, Jayraj AK, Kumari A, Kachhawa G, Tomar S, An interventional study on effect of laparoscopic ovarian drilling in anovulatory infertile PCOS women resistant to Letrozole + HMG based ovulation induction., 67th All India Congress of Obstetrics & Gynecology at the AICOG -2025, 08-12 January 2025, Mumbai, India

37. Bhavana, Mahey R, Jayraj AK, Kumari A, Kachhawa G, Tomar S, Comparison of laparoscopic ovarian drilling and step- up gonadotropin therapy on follicular response anovulatory infertile polycystic ovarian syndrome women undergoing ovulation induction cycles- Randomised controlled trail., 4th Research Day, AIIMS, 30 January 2025, New Delhi 5

38. Bhavana, Mahey R, Jayraj AK, Kumari A, Kachhawa G, Tomar S, Comparison of Laparoscopic ovarian drilling and step- up Gonadotropin therapy on follicular response n anovulatory infertile Polycystic Ovarian Syndrome women undergoing ovulation induction. Cycles- Randomized Controlled Trail., 20th Annual Conference of the Indian Fertility Society, 6-8 December 2024, Gandhinagar Gujarat.

39. Bindra A, Goyal K, Jaiswal R, Selvi A, Datta S, Incidence of micronutrient deficiency in critically ill pediatric Traumatic brain injury: Prospective, observational, cohort study, 5th Annual Conference of the Neurocritical Care Society of India (NCSI), 29 August 2024-1 September 2024, Chennai

40. Bisht, N, Bhardwaj H, Arya, K, Sharma, M, Mishra, I, Rawat, R, Sinha, T P, & Bhoi, S (2024), Youth-led emergency care response at community level-an implementation project., 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, Hotel Taj Palace, New Delhi, India.
41. Bisht, N, Bhardwaj, H, Arya, K, Sharma, M, Mishra, I, Rawat, R, Sinha, T P, & Bhoi, S (2024), Youth-led emergency care response at community level-an implementation project., 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, Hotel Taj Palace, New Delhi, India.
42. Bisht, N, Rawat, R, Chauhan, S, Sharma, D, Sinha, T P, & Bhoi, S (2024), Developing and testing a comprehensive community model to strengthen post-crash response in rural tribal settings., 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, Hotel Taj Palace, New Delhi, India.
43. Bisht, N, Rawat, R, Chauhan, S, Sharma, D, Sinha, T P, & Bhoi, S (2024), Developing and testing comprehensive community model to strengthen post-crash response in rural tribal settings., 15th World Conference on Injury Prevention and Safety Promotion (Safety 2024), 2-4 September 2024, Hotel Taj Palace, New Delhi, India.
44. Challa A, Nagpal S, Taneja B, Sharma U, Tyagi R, Kumar P, Sood S, Kachhawa G, Gupta S, Machine learning based multi- omics data integration for diagnosis of bacterial vaginosis in Indian women, 25th world congress, International Union against Sexually Transmitted Infections (IUSTI), 17-20 September 2024, Sydney, Australia, 3
45. Challa A, Nagpal S, Tyagi R, Sharma U, Sood S, Kachhawa G, Taneja B, Gupta S, Multi- omics strategies for elucidation of pathophysiology of bacterial vaginosis., International Conference on Reproductive Biomedicine, 14-16 February 2025, Jaipur, India4
46. Chauhan APS, Bhardwaj DN, Lalwani S, Diagnostic Accuracy of PMCT in Finding Injuries of Chest and Pelvic Regions in Trauma Cases10, Forensic EYE 2024, 29 March 2024, HIMS, Dehradun, Uttarakhand
47. Chauhan APS, Bhardwaj DNLalwani S, Chandran V, Abhilash S, Utility of Postmortem Computed Tomography(PMCT) in The Diagnosis of Coronary and Cerebral Arterial Air Embolism: A Pilot Study11, ISFRI 2024, 7-9-9 May 2024, Krakow, Poland
48. Chauhan R, Sokhal S, Singh GP, Sokhal N, A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in aSAH patients, 23rd Annual national Conference & 4th International Conference of RSACPCON 2025, 28-30-30 March 2025, Bathinda, Punjab3
49. Chauhan R, Sokhal S, Sokhal N, Singh GP, A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage, 33rd Annual National and 4th International Conference of the Research Society of Anaesthsiology Clinical Pharmacology, 28 March 25, Bhatinda, Punjab 2
50. Chawla N, Sagar S, Kukreja S, Mathur R, et al, Profile of patients admitted with attempted self-harm in a tertiary care level 1 apex trauma center (free paper), Trauma-2024 Conference, 8-9 November 2024, Lucknow, UP
51. Chawla N, Sagar S, Sen MS, Childhood Trauma and Its Consequences: A Psychiatric Perspective on Amputation and Recovery (Symposium), International Conference on Child and Adolescent Mental Health (ICCAMH) held in, 1-2 October 2024, Kathmandu, Nepal
52. Chawla N, Saini R, Sen MS, Current perspectives and understandings in transgender mental health and well-being (Symposium), National Conference of Indian Association for Social Psychiatry (NCIASP), Mysuru, Karnataka, 4-6 November 2024, Mysuru, Karnataka
53. Chawla N, Sen MS, Chattopadhyay A, Sarkar S, Ambekar A, Knowledge Regarding HIV among Individuals with Opioid Dependence Syndrome: A Comparison of Treatment-naïve and Buprenorphine-maintained Individuals (oral presentation), Fast Track Cities 2024 (IAPAC), 13-15 October 2024, Paris, France
54. Chawla N, Sharma P, Bhardwaj A, Invisible Scars: Mental Health Implications Of Gender-Based Violence Across Populations (Symposium), Annual National Conference of Indian Psychiatric Society (ANCIPS) 2025, 22-25 January 2025, Hyderabad, Telangana
55. Chelani V, Kumar N, Sokhal N, Sokhal S, Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study, 26th Annual Conference of the Indian Society of Neuroanaesthesia and Critical Care (ISNACC 2025), 26 January 2025, Kovalam, Trivandrum, Kerala, India 1
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233. Verma A, Pandia MP, Singh GP, Kumar N, Airway changes in patients undergoing spine surgery in the prone position: A prospective observational study, 71st Annual National Conference of ISA (ISACON) 2024, 20-24 November 2024, Patna, Bihar2

234. Verma A, Pandia MP, Singh GP, Kumar N, Airway changes in patients undergoing spine surgery in the prone position, 23rd Annual national Conference & 4th International Conference of RSACPCON 2025, 28-30 March 2025, Bathinda, Punjab4

235. VS Vikram, Mishra B, Sagar S, Gupta A, Kumar S, Priyadarshini P, Bagaria D, Chaudhary N, Kumar A, Alam J, Navigating the complexity: A rare case report of concurrent common bile duct and pancreatic injury, TRAUMA 2024 -14th Annual Conference of ISTAC & 2nd Annual conference of UP Chapter ISTAC, 10 November 2024, Lucknow, U.P.

*best poster, [1]Best Oral presentation, [2]Best Poster presentation, [3]ICMR International Award, [4]Professor G.P. Talwar Young Scientist Award, [5]AIIMS Research Day Award, [6] Best Paper Award, [7]2nd Prize in Original Paper Category, [8] Best Paper Award in Oral Presentation, [9]2nd Prize in Poster Presentation, #Won the international travel grant from Department of Science and Technology (DST), Govt of India, [10]Second Prize for best poster presentation, [11]Third Prize for best poster presentation, [12]First Prize for best poster presentation

Oral/poster presentations over past three years

2022–2023	2023–2024	2024–2025
143	140	239

RESEARCH

Funded

Ongoing

1. 3D print assisted reduction and internal fixation for calcaneal fractures, Asjad Mahmood, AIIMS, 2 years, 2024-2026, Rs 5 Lakhs
2. A Multi-Center, Prospective, Open-Label, Assessor-Blinded, Randomised, Controlled, Non-Inferiority, Pivotal Clinical Investigation to evaluate the Performance and Safety of 3-D Scaffold Matrix – A Class C Medical Device Bone Void Filler as a Bone Graft Substitute in Orthopaedic Surgery, Vivek Trikha, AIIMS, New Delhi, 2 years, 2024-2025, Rs 2.7 Lakhs
3. A multi-center, randomized, double-blind, placebo controlled, parallel group, phase III study to evaluate the efficacy and safety of LNP023 in primary IgA nephropathy patients, Soumita Bagchi, Novartis Ltd, 5 years, 2021-2026, Rs 588000 per year(CRC salary) +Rs 2 Lakhs per patient
4. A multicentre, randomized, double-blind, parallel group, placebo-controlled study to evaluate the efficacy and safety of iptacopan (LNP023) in complement 3 glomerulopathy, Soumita Bagchi, Novartis Ltd, 2 years, 2022-2025, Rs 5.59 Lakhs per year (CRC salary) + 224275 per patient
5. A phase 2b3, multi-part, randomized, double blinded, placebo-controlled study to evaluate the efficacy and safety of Atacicept in subjects with IgA nephropathy, Soumita Bagchi, Vera Therapeutics ltd, 5 years, 2024-2029, Rs 5.31Lakhs per patient
6. A pilot study to evaluate the functionality of Below Elbow Prosthesis (BIONICLI®) for essential Activities of Daily Living (ADL) in below elbow amputees following Trauma, Sushma Sagar, Under NCAHT, 2 years, 2023-2025, -
7. A Post Market Clinical Follow-up (PMCF) study to evaluate the Safety and Performance of Knee Arthroscopy System, Asjad Mahmood, Auxien, 2 years, 2024-2026, Rs 2.50 Lakhs
8. A Prospective Single arm Post Market Clinical Follow-up study to evaluate the Safety and Performance of Radius system intended for Radius fracture fixation, Samarth Mittal, Auxein medical Pvt Ltd, 2 years, 2024-2026, Rs 5.5 Lakhs
9. A prospective, double blind, multi-centric, randomized placebo controlled clinical trial to evaluate the efficacy and safety of budesonide in patients with primary IgA nephropathy, Soumita Bagchi, Fourrts Pharma Ltd, 3 years, 2024-2026, Rs 1.98 Lakhs
10. A Study on development and piloting of Trauma ICU registry and comprehensive critical care for critically ill patients admitted to Trauma Intensive Care Unit of level-1 trauma center in India: A prospective observational Study.", Kapil Dev Soni, ICMR, 3 years, 2022-2025, Rs 33.15 Lakhs
11. A study to assess the utility of an automated transcription of prescription and discharge summary into local languages for all patients admitted in seven AIIMS, India., Deepak Agrawal, Vaag Health Foundation, 3 years, 2024-2027, Rs 15 Lakhs

12. Analysis of Gut microbiome profile in acutely injured patients in predicting the clinical outcomes–A Prospective, cohort, and exploratory study., Abhinav Kumar, AIIMS, New Delhi, 2 years, 2024-2026, Rs 10 Lakhs
13. Approaches and Decisions in Acute Pediatric TBI Trial, (ADAPT) USA, Deepak Kumar Gupta, National Institute of Health, 10 years, 2015-2026, Rs 265.49 Lakhs
14. Assessment of markers of Preeclampsia after delivery and correlation with future risk factors of cardio vascular disease in women., Garima Kachhawa, ICMR, 3 years, 2022-2025, Rs 51.77
15. BIOHAND: Advancing 3D-Printed Biosimilar Scaffolds for Bone Regeneration in Posttraumatic Hand Fractures – A UCL-AIIMS Collaborative Approach., Dr Suvashis Dash, AIIMS-UCL, 1 year, 2024-2025, Rs 5 Lakhs
16. Biomechanical comparison of three different internal fixation methods in unstable femoral neck fractures: A Finite element analysis, Samarth Mittal, AIIMS, 2 years, 2022-2024, Rs 4.8 Lakhs
17. Brain Tumor registry with AI based management across different AIIMS hospitals across India., Deepak Agrawal, CanKids Kidscan, 5 years, 2023-2028, Rs 120 Lakhs
18. Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India, Purva Mathur, CDC, 5 years, 2021-2026, Rs 1260 Lakhs
19. Centre for advanced Research (CAR) in Hospital Acquired Infections-Prevention and Control, Purva Mathur, ICMR, 5 years, 2020-2025, Rs 753.35 Lakhs
20. Comparison of conventional reaming technique with reamer irrigator aspirator (RIA) for hemodynamic, cardiac changes and embolic load during fixation of shaft femur fracture using an intramedullary nail and estimation of osteogenic growth, Samarth Mittal, ICMR, 3 years, 2023-2026, Rs 26.7 Lakhs
21. Comparison of sevoflurane and propofol on vascular endothelial glycocalyx in patients undergoing surgery for traumatic brain injury, NIRAJ KUMAR & ARULSELVI, AIIMS New Delhi, 2 years, 2024-2026, Rs 7.72 Lakhs
22. Continuous closed CSF Glucose Monitoring using CGM sensor in patients with External ventricular drainage for early detection of CSF Infection., Deepak Agrawal, Chanakya Chair Professorship in Healthcare, 1 year, 2024-2025, Rs 29.7 Lakhs
23. Correlation Between Noradrenaline, Serotonin, GABA, and Glycine in Cerebrospinal fluid with labor pain undergoing cesarean section: A preliminary study, Yudhyavir Singh, AIIMS, New Delhi, 2 years, 2021-2023, Rs 8.78 Lakhs
24. Decoding the surface morphology of lateral malleolus for Ideal plate design for the Indian population, Arvind Kumar, AIIMS, New Delhi, 1 year, 2024-2025, Rs 1 Lakhs
25. Developing intervention guide for psychological first-aid based on profile, needs, and experiences of patients presenting with self-harm in two tertiary centers: A mixed methods study, Nishtha Chawla, AIIMS, Delhi, 2 years, 2023-2025, Rs. 6.20 Lakhs
26. Development and validation of prognostic models for patients with traumatic brain injury: A comparison of the modern machine learning methods, Deepak Agrawal, ICMR, 3 years, 2022-2025, Rs 45 Lakhs
27. Development and validation of robotic probe holder device for ultrasound-guided central venous canulation, NIRAJ KUMAR, DST, 3 years, 2024-2027, Rs 77.22 Lakhs
28. Development of an Artificial Intelligence-based app for remote delivery of speech therapy in cleft lip-palate patients (SWARA- "Speech-therapy With Artificial intelligence Remote Assistance- on-going work, Suvashis Dash, ICMR, 3 years, 2024-2027, Rs 79 Lakhs
29. Development of Bio Resorbable Cranial Implants for Neurosurgical Cranioplasty Procedure across Institutes of National Importance, Deepak Agrawal, Big Grant, 2 years, 2023-2025, Rs 50 Lakhs
30. Development of Low-Cost Artificial Intelligent System for Prediction of Bone Mineral Density (BMD) From Plain Radiographic Images in Osteoporosis Detection, Samarth Mittal, ICMR, 3 years, 2025-2028, Rs 30 Lakhs
31. Development of risk management and health monitoring systems on ventilated neurotrauma patients using the concept of digital twins and probabilistic modelling., Deepak Agrawal, ICMR, 3 years, 2024-2027, Rs 200 Lakhs
32. Dissecting the Potential molecular signature by proteomics and metabolomics in predicting the clinicoradiological course of cerebral edema following traumatic brain injury, Surya Sri Krishna Gour, ICMR, 3 years, 2024-2027, Rs 85.22 Lakhs

33. Effect of repeated verbal reminder of orientation on emergence agitation in adults undergoing dorso-lumbar spine surgeries under general anaesthesia - A randomized controlled trial, Abhishek Singh, AIIMS, New Delhi, 2 years, 2024-2026, Rs 5 Lakhs

34. Effectiveness of Institutional Physio therapeutic Intervention on Functional Movement, Strengthening and Flexibility Among School going Sports Children Aged 15-18 Years:- A Cluster randomised controlled trial, Samarth Mittal, ICMR, 2 years, 2023-2025, Rs 55.8 Lakhs

35. Efficiency of CPAP machine – clinical testing, Biplab Mishra (Dr Amrit Dixit, AIIMS Raipur), Amrit Meditech Pvt Ltd, 1 year, 2024-2025, Rs 5 Lakhs

36. Efficiency of IR thermography machine Amrit flapsense, Biplab Mishra (Dr Amrit Dixit, AIIMS Raipur), Amrit Meditech Pvt Ltd, 1 year, 2024-2025, Rs 0.50 Lakhs

37. Establishment of a fragility fracture Liaison Service at AIIMS: A multicentric study, Vijay Sharma, ICMR, 3 years, 2023-2026, Rs. 100 Lakhs

38. Evaluation of the water bath ultrasound technique (WBT)in the diagnosis of distal hand and foot injuries in the emergency department, Tej Prakash Sinha, Indian Council for Medical Research, 2.5 years, 2024-2026, Rs 62.38

39. Expanding antimicrobial resistance research and surveillance activities in the secondary level hospitals, Purva Mathur, ICMR, 2 years, 2025-2027, Rs 96.83 Lakhs

40. Haemostatic evaluation of cryopreserved platelet concentrates compared to the room temperature stored platelet concentrates in trauma patients., Abhinav Kumar, AIIMS, New Delhi, 2 years, 2024-2026, Rs 17 Lakhs

41. HIP CARE: A cluster randomized controlled trial with embedded process evaluation to investigate the clinical and cost-effectiveness of multidisciplinary care in the management of patients with a fracture of the hip., Vijay Sharma, University of Oxford, UK, 3 years, 2025-2028, Rs. 35 Lakhs

42. HIP fracture Accelerated surgical TreaTment and Care tracK 2 (HIP ATTACK-2) Trial, Vijay Sharma, Population Health Research Institute (PHRI), Canada, 2 years, 2023-2025, Rs. 4.50 Lakhs

43. Impact of Ketamine versus Etomidate on Inflammatory Cytokines in Hemodynamically Unstable Patients Undergoing Laparotomy for Abdominal Trauma: A Randomized Controlled Trial, Riniki Sarma, AIIMS, New Delhi, 2 years, 2024-2026, Rs 10 Lakhs

44. Impact of Psychosocial Intervention on Quality of Life and Stress Biomarkers in Patients with Traumatic Limb Amputation/s: A Randomized Controlled Trial, Subodh Kumar, ICMR, 3 years, 2023-2026, Rs 63 Lakhs

45. Impact of surgical stabilization of rib fractures on requirement of ventilator support, analgesia and hospital stay: A randomized pilot study, Narendra Choudhary, Intramural Interdisciplinary Research Project (AIIMS, New Delhi), 2 years, 2025-2027, Rs 10 Lakhs

46. Impact of yoga intervention on functional assessment and quality of life in pelvic injury patients at level-I trauma Center – A Randomized Control Trial, Dinesh Bagaria, DST, 4 years, 2021-2025, Rs 37 Lakhs

47. Implementation of AMSP in various tertiary care centers across India, Richa Aggarwal, ICMR, 3 years, 2022-2025, Rs 81.50 Lakhs

48. Infrared pupillometry as a diagnostic tool in assessment of Non convulsive status epilepticus in severe TBI patients at level-1 trauma centre in India(ICMR adhoc project programme Project Id- 2021-13153/F1), Keshav Goyal, ICMR, 3 years, 2022-2025, Rs 35 Lakhs

49. Integrated Emergency project entitled, “Adaptive model to strengthen facility-based emergency care system for providing quality emergency care among red triage patients (Time sensitive and other emergencies) at all levels of health care facilities, Sanjeev Bhoi, ICMR, 3 years, 2023-2026, Rs 2100 Lakhs

50. Low-cost virtual reality sensorimotor robotic intervention for management of phantom limb pain in below elbow amputees following trauma, Sushma Sagar, AIIMS-UCL Collaborative Research, 1 year, 2023-2024, Rs 5 Lakhs

51. Micronutrient deficiency in children with moderate to severe traumatic brain injury: Burden and association with outcome, Ashish Bindra, Indian Council of Medical Research, 3 years, 2023-2026, Rs. 58.23 Lakhs

52. Molecular detection of Rheumatogenic Clusters of Streptococcus Dysgalactiae subsp. Equisimilis (Group C, G) in India:, Purva Mathur, ICMR, 3 years, 2024-2027, Rs 135.40 Lakhs

53. Multi-Analytes lateral flow immune assay for the detection of sepsis and multi-organ dysfunction syndrome in post-trauma patients, Purva Mathur, ICMR, 3 years, 2024-2027, Rs 103.98 Lakhs

54. National Emergency Life Support Course for Paramedics- Training of trainers: A course launched by MoHFW to build a pool of trainers for building the capacity of paramedics & EMTs in handling emergencies, Sanjeev Bhoi, MoHFW, 3 years, 2024-2027, Rs 388.96 Lakhs

55. NGAL, IL-6, cystatin-c and KIM-1 as prognostic markers of acute kidney injury after isolated traumatic brain injury: a prospective observational study, Sharmishtha Pathak, AIIMS, New Delhi, 2 years, 2024-2026, Rs 10 Lakhs

56. Post market Clinical Follow-up study to evaluate the safety and performance of femoral neck system, dynamic hip system or cannulated cancellous screws in patient with femoral neck fracture (FNS, DHS, CCS), Samarth Mittal, Auxein medical Pvt Ltd, 2 years, 2024-2026, Rs 13.3 Lakhs

57. Post market Clinical Follow-up study: A non-randomized, prospective to evaluate the Safety and Performance of Proximal Femoral Nail and Anti-rotation (PFNA) intended for femur related fracture fixation, Samarth Mittal, Auxein medical Pvt Ltd, 2 years, 2023-2025, Rs 18 Lakhs

58. Postoperative Pranayama intervention to assess pulmonary functions and Quality of Life of geriatric Hip Fracture Patients, Vijay Sharma, SATYAM Program of SHRI Cell, DST, 2 years, 2025-2027, Rs. 22 Lakhs

59. Profiling of inflammatory cytokines and metabolites for observation of serial changes in patients with Blunt Torso Trauma: A Prospective cohort and observational study, Abhinav Kumar, ANRF, 3 years, 04 September 2024-03 September 2027, Rs 41.69 Lakhs

60. Randomized, open labelled, Phase IIa / IIb Clinical trial to study safety and efficiency of intravenous estrogen therapy in reducing the incidence of sepsis/septic shock in Trauma Hemorrhagic Shock, ICMR, Indian Council for Medical Research, 3 years, 2024-2027

61. Recurrent and Prolonged Urinary Tract Infections and its association with Gut Microbiome: A community-based study in a semi-rural setting of North India., Purva Mathur, ICMR, 3 years, 2024-2027, Rs 149.86 Lakhs

62. Role of topical oxygen therapy as an adjunct to negative pressure wound therapy in the management of traumatic wounds: a randomized controlled trial, Pratyusha Priyadarshini, AIIMS, New Delhi, 2 years, 2023-2025, Rs 5 Lakhs

63. Safety, Efficacy, and Usability Evaluation of the Advanced Wound Healing Device in Wound Healing Applications, Sushma Sagar, DRDO, 1 year, 2024-2025, Rs 10 Lakhs

64. Single cell RNA sequencing of brains of patients with Severe Traumatic Brain Injury", Deepak Agrawal, IGIB, 2 years, 2024-2026, Rs 5 Lakhs

65. Strengthening Emergency & Trauma Care in Rajasthan- Creating a pool of trainers on BLS & Post-Crash responses at selected colleges in Jaipur in collaboration with state road safety cell, Department of transport & Road safety, Government of Rajasthan, Tej Prakash Sinha, Government of Rajasthan, 1 year, 2024-2025, Rs 56.49 Lakhs

66. Study of association between saliva and blood biomarkers in cognitively impaired pediatric mild head injury patients, Arulselvi S, ICMR, 3 years, 2024-2027, Rs 60.29 Lakhs

67. Study of Endothelial marker Syndecan in the peripheral blood of severe Traumatic Brain Injury (TBI) patients and its correlation with TBI induced coagulopathy and immediate outcome, Arulselvi S, AIIMS, 2 years, 2024-2026, Rs 1 Lakh

68. Study of Gut Microbiome Alteration in Post-Menopausal Women patients with Osteoporosis: A Preliminary Study, Arulselvi S, AIIMS, 2 years, 2025-2027, Rs 1 Lakh

69. Study of Vitamin D receptor (VDR) gene polymorphism and Vitamin D deficiency in North Indian patients with Intervertebral disc (IVD) Degeneration, Arulselvi, S, ICMR, 3 years, 2024-2027, Rs 41.30 Lakhs

70. Surgical Innovation Laboratory (SIL) for advancing Patient care, Education and Research, Sushma Sagar (PI), ICMR-MDMS, 3 years, 2022-2025, Rs 440 Lakhs

71. To develop a Mobile health application for Delivery of Comprehensive Symptomatic Care for Post-Burn Patients, Dr Suvashis Dash, AIIMS, 2 years, 2024-2026, Rs 10 Lakhs

72. To study the effect of Immediate Post Operative Prosthesis in relation to post-surgical outcome, balance and quality of life in Above Knee Amputation patients (post traumatic): A Pilot Randomized Controlled Trial, Junaid Alam, ICMR, 3 years, 2023-2026, Rs 65 Lakhs

73. To study the effectiveness of Trauma Quality Improvement Program (TQIP's) in improving Trauma Care outcomes at Tertiary Care Hospitals in India., Amit Gupta, ICMR, 3 years, 2023-2026, Rs 73 Lakhs

74. Use of non-invasive cardiac out monitoring for optimization of hemodynamic parameters versus standard care in geriatric patients with hip fractures undergoing surgery under spinal anaesthesia. A Pilot study, Abhishek Singh, AIIMS, New Delhi, 2 years, 2023-2025, Rs 5 Lakhs

Completed

1. A pilot parallel arm Randomized Control Trial evaluating the impact of Yoga intervention in treating post traumatic limb fractures which develop Complex Regional Pain Syndrome (CRPS I) and assessment of their quality of life., Vijay Sharma, ICMR, 3 years, 2021-2024, Rs. 64.71 Lakhs
2. A randomized, treatment open-label, dose-blinded parallel group, three arm, proof-of-concept clinical trial to investigate the efficacy and safety of LNP023 compared with rituximab in the treatment of subjects with idiopathic membranous nephropathy, Soumita Bagchi, Novartis Ltd, 4 years, 2019-2023, Rs 5.88 Lakhs per year(CRC salary) + Rs 2 Lakhs per patient
3. An adaptive seamless randomized, double blind, placebo-controlled, dose ranging study to investigate the efficacy and safety of LNP023 in primary IgA nephropathy patients, Soumita Bagchi, Novartis Ltd, 2 years, 2019-2021, Rs 1.98 Lakhs per patient
4. An In-vivo model to assess the efficacy of a novel agarose/polydopamine cryogel in hemostasis, Vijay Sharma, IIT Kanpur, 2 years, 2022-2024, Rs 0.45 Lakhs
5. Collaborative European Neurotrauma Effectiveness research in TBI Collaborative Indian Neurotrauma Effectiveness research in TBI (CENTER TBI), Deepak Kumar Gupta, Universitair Ziekenhuis Antwerpen (UZA), Belgium, 8 years, 2015-2023, 5000 USD per year
6. Comparison of laparoscopic feeding gastrostomy versus Percutaneous endoscopic gastrostomy for long term assisted central feed in trauma patients – A randomized pilot study, Narendra Choudhary, AIIMS, New Delhi, 2 years, 2019-2021, Rs. 4.75 Lakh
7. Correlation Between Noradrenaline, Serotonin, GABA, and Glycine in Cerebrospinal fluid with labor pain undergoing cesarean section: A preliminary study, Yudhyavir Singh, AIIMS, New Delhi, 2 years, 2022-2024, Rs 8.78 Lakhs
8. Development of Patient education software to aid in post operative rehabilitation of hip fractures with analysis of its impact in functional outcomes of patients, Samarth Mittal, AIIMS, New Delhi, 1 year, 2022-2024, Rs. 1.9 Lakhs
9. Development of point of care Smartphone based PT/INR Test to simplify, hasten the identification of patients coagulation status and its comparison with conventional coagulation method, Arulselvi S, AIIMS-IIT Delhi project funding, 2 years, 2023-2025, Rs. 10 Lakhs
10. Effect of sodium-hydrogen channel (NHE-1) inhibitor in hypoxic cardiac arrest- ICMR funded., Tej Prakash Sinha**,** ICMR, 3 years, 2024-2027, Rs. 44.41 Lakhs
11. Impact of rTMS versus drug therapy on phantom limb pain in lower limb amputation patients: A Randomized control trial, Sushma Sagar, ICMR, 3 years, 2021-2024, Rs. 55 Lakhs
12. Metabolomics Profiling and Serial Changes following torso trauma - A Prospective cohort, feasibility and pilot study, Abhinav Kumar, SERB (Extra-Mural), 1.5 years, 2022-2023, Rs. 28.20 Lakhs
13. Non convulsive status epilepticus (NCSE) in severe TBI patients at level-1 trauma centre in India, Keshav Goyal, ICMR, 3 years, 2021-2024, Rs 25 Lakhs
14. Randomised Evaluation of Surgery with Craniectomy for patients undergoing Evacuation of Acute Subdural Haematoma (RESCUE-ASDH), Deepak Kumar Gupta, Cambridge University, 3 years, 2017-2020, Consumables : 144 pounds per randomized patient CRF completion costs : 213 pounds per randomized patient
15. Role of Yoga in Secondary prevention of Hip Fractures in the Elderly, Vijay Sharma, ICMR, 2.5 years, 2022-2024, Rs. 12.40 Lakhs
16. Strengthening Emergency & Trauma Care in Rajasthan- Creating a pool of trainers on BLS & Post-Crash responses at selected colleges in Jaipur in collaboration with state road safety cell, Department of transport & Road safety, Government of Rajasthan (Phase 1), Tej Prakash Sinha**,** Government of Rajasthan, 0.5 years, 2023-2024, Rs. 27**.**17 Lakhs
17. To examine myelination and changes in oligodendrocytes in white matter pathology post severe traumatic brain injury (sTBI) among humans, Sanjeev Lalwani, ICMR, 3 years, 2021-2024, Rs. 27 Lakhs

18. To study the pattern of mesenchymal stromal cells, hematopoietic progenitor and stem cells in the peripheral blood of trauma hemorrhagic shock patients, Sanjeev Bhoi, ICMR, 3 years, 2021-2024, Rs. 46 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A cross sectional study for evaluating pre-existing mental healthissues in children and adolescents attending Level 1 trauma centre with unintentional physical injuries.
2. A Prospective Double-Blinded Parallel 3-Arm Randomized Controlled Trial to Study the Clinical and Radiological Outcomes of Integrated Twin Compression Screw Nail, Single Blade Cement Augmented and Non Augmented Cephalomedullary Nail in the Treatment of Intertrochanteric Femur Fractures
3. A Prospective multi-centric randomized open label trial to assess efficacy of Hydroxychloroquine (HCQ) in reducing proteinuria in moderately severe primary IgA Nephropathy (EQUALITY study)
4. A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in aneurysmal subarachnoid haemorrhage patients.
5. A Prospective Single arm Post Market Clinical Follow-up study to evaluate the Safety and Performance of Radius system intended for Radius fracture fixation (Ongoing)
6. A Prospective study to assess the requirement of intensive care in geriatric proximal femur fractures.
7. A randomised controlled trial to compare the incidence of symptomatic and asymptomatic venous thromboembolic events following pelvi-acetabular surgery in patients receiving direct oral anti coagulants(doac) and the patients receiving low molecular weight heparin(lmwh) as chemoprophylaxis.
8. A Randomized Controlled Trial to Compare the Impact of Low pressure negative pleural suction with Under water seal drainage alone in Patients of Thoracic trauma.
9. A randomized Controlled trial to compare the incidence of symptomatic and asymptomatic venous thromboembolic events following pelvi- acetabular surgery in patients receiving Direct Oral Anti Coagulants (DOAC) and patient receiving Low Molecular Weight Heparin (LMWH) as chemoprophylaxis
10. A Randomized controlled trial to compare the radiological and functional outcomes of Comminuted Distal Radius Fractures 2R3C3.1 and 2R3C3.2 treated with only Volar Plating Versus Combined Volar and Dorsal Plating
11. A Randomized Controlled Trial to See the Effect of Post-Operative Systemic Anticoagulation in Patients Undergoing Post Traumatic Medium Sized Vessel Repair
12. Adaptive model to strengthen facility-based emergency care system for providing quality emergency care among red triage patients (Time sensitive and other emergencies) at all levels of health care facilities
13. An Open-Label Parallel-Arm Randomized Controlled Trail on the Effectiveness of Prompt and Empirical Administration of Cryoprecipitate in Trauma Patients with Significant Hemorrhagic Shock
14. Analysis of patterns of neck trauma and its outcomes at a Level I Trauma Center- An ambispective observational study
15. Analysis of the Performance of Machine Learning Techniques for the Screening of patients with B-thalassemia trait
16. Assessing the clinical efficacy of platelet rich Plasma and human amniotic membrane on outcomes Of anastomotic posterior urethroplasty In pelvic fracture urethral injury: A randomised control trial
17. Assessing the Health Care Package utilization in BPS under PMJAY and its barriers and facilitators
18. Assessment of Diaphragmatic Thickness and its Correlation with Frailty in Geriatric Trauma Patients Undergoing Orthopaedic Surgeries: A Prospective Observational Study
19. Assessment of Patient understanding of OPD Card and Discharge Summary: A need Assessment study to improve organizational Health Literacy.
20. Biomechanical comparison of three different internal fixation methods in unstable femoral neck fractures: A Finite element analysis.
21. Cabergoline as an adjunct to Ovulation Induction in infertile Women with Endometriosis: An Open-label Randomized Study.
22. Capacity Building Project for Managing Healthcare-Associated Infection HAI Outbreaks in Tertiary and Secondary Care Hospitals across India-A Hub and Spoke Model as part of Capacity Building Program for Pandemic Preparedness CBPPP under Pradhan Mantri Ayushman Bharat Health Infrastructure Mission PMABHIM

23. Carbapenem Resistance in Pseudomonas aeruginosa Causing Urinary Tract Infections at a Tertiary Care Setting
24. Cardiovascular complications after traumatic spinal cord injury.
25. Challenges and learnings of NABH certification at JPNATC
26. Clinical and Microbiological Profile of Infection from Burns and Plastic Division of a Tertiary Care Hospital.
27. Clinical outcome with low dose CMV prophylaxis and evaluation of CMV specific immunity in kidney transplant recipients
28. Clinical profile and long-term outcome of AA Amyloidosis- a retrospective study
29. Clinical profile and long-term outcome of biopsy proven tubule-interstitial diseases-a retrospective study
30. Clinical presentation and outcome of norovirus infection in renal transplant recipients: a retrospective analysis
31. Clinico-Radiological assessment of Arthroscopic repair for recurrent anterior shoulder instability
32. Comparative evaluation of Kinesiotaping and Conventional management versus Conventional Management alone in detecting pain in patients with thoracic trauma: A Randomized Controlled Trial
33. Comparative evaluation of Kinesiotaping and Conventional management vs Conventional management alone in detecting pain in patients with thoracic trauma: A Randomised control trial
34. Comparing IVC-CI guided fluid management with carotid artery corrected flow time (FTc) guided fluid management in preventing spinal anaesthesia induced hypotension in elderly trauma patients.
35. Comparing the effect of fentanyl and midazolam with ketamine and propofol on the extended Glasgow outcome scale at three months post trauma
36. Comparison between pericapsular nerve group block and fascia iliaca block for positioning in hip fracture patients before neuraxial block- A randomised controlled pilot study
37. Comparison between pressure support ventilation and spontaneous ventilation during emergence and extubation in reducing incidence of post operative atelectasis in patients undergoing major abdominal surgeries
38. Comparison between superior trunk block and modified supraclavicular brachial plexus block for analgesia in shoulder surgery – A pilot study
39. Comparison of clinical, radiological and functional outcome of Femoral Neck System and Dynamic Hip Screw in femoral neck fractures in young adults - a Randomised Controlled Trial.
40. Comparison of conventional reaming technique with reamer irrigator aspirator (RIA) for hemodynamic, cardiac changes and embolic load during fixation of shaft femur fracture using an intramedullary nail and estimation of osteogenic growth
41. Comparison of Ketofol vs Sevoflurane in patients with severe traumatic brain injury undergoing emergency neurosurgery: A randomized control trial
42. Comparison of Ketofol vs Sevoflurane on brain relaxation in patients with severe traumatic brain injury: A randomized control trial
43. Comparison of left paratracheal pressure versus cricoid pressure on tracheal intubation conditions using c-mac video laryngoscope - a non-inferiority randomised controlled trial
44. Comparison of left paratracheal pressure versus cricoid pressure on tracheal intubation conditions using CMAC video laryngoscope: a non- inferiority randomized controlled trial
45. Comparison of pain status in patients undergoing Targeted Muscle reinnervation versus Conventional stump preparation following post traumatic above knee amputation: A Randomized control trial
46. Comparison of peri operative pulmonary outcomes in volume -controlled ventilation versus pressure -controlled ventilation in patients undergoing robot assisted urology surgery in trendelenburg position - A prospective randomised controlled trial
47. Comparison of preoperative ultrasound guided pericapsular nerve group block and femoral nerve block for facilitating patient positioning prior central neuraxial blockade in patients undergoing hip fracture surgery - a randomized controlled pilot study
48. Comparison of short axis angle distance approach versus long axis in-plane approach of ultrasound guided radial artery cannulation: A Randomized Controlled Trial
49. Comparison of single point versus triple aliquot costoclavicular block in upper limb surgeries: A randomised controlled trial

50. Comparison of single versus triple aliquot injection for supraclavicular brachial plexus block in upper limb orthopaedic trauma surgery: A Randomised Controlled Trial
51. Comparison of the effect of propofol versus ketofol on emergence from anaesthesia in patients undergoing elective supratentorial craniotomy: A prospective randomized double-blind study
52. Comparison of three anaesthetic techniques on emergence and recovery profile in patients undergoing supratentorial craniotomy
53. Comparison of Ultrasound guided Epidural Depth assessment using transverse median plane (TMP) and parasagittal oblique view (PSO) view in Elderly Patients: A Prospective Observational Study.
54. Compliance and efficacy of hepatitis B vaccination in patients with CKD
55. Correlation between injury morphology on CT and urological outcomes in sub axial cervical spine injury
56. Correlation of brain MRI findings with clinical outcome and its implication in management of HIV negative CNS Tuberculosis in paediatric population
57. Creation of Center of Excellence with ICMR Collaboration at BPS
58. Designing of patient specific Total Elbow Replacement prosthesis for Indian Population
59. Detection of saline filled cuff by Ultrasonography for confirmation of correct endotracheal tube position in adult patients: A prospective observational study
60. Development and Validation of multiplex quantitative Real-time Polymerase Chain Reaction assay for culture-independent detection of microorganisms and their antimicrobial resistance gene causing Blood Stream Infection
61. Development of Low-Cost Artificial Intelligent System for Prediction of Bone Mineral Density (BMD) From Plain Radiographic Images in Osteoporosis Detection
62. Early Quantitative pupillometry as a predictor of long-term outcome in severe traumatic brain injury patients: A prospective observational study
63. Early skin grafting versus delayed skin grafting in adult patients with post traumatic raw area-A pilot Ramdomised control trial
64. Effect of decompressive craniectomy on jugular venous oximetry (SJVO2) in patients with severe Traumatic brain injury (TBI)
65. Effect of direct peritoneal resuscitation on time to achieve definitive abdominal coverage in patients undergoing damage control laparotomy – a pilot randomised control trial
66. Effect of Lidocaine infusion on hemodynamics and recovery in patients undergoing endoscopic pituitary surgery: A multicentre, randomized control trial.
67. Effect of nebulized dexmedetomidine and saline nebulization for preventing post operative sore throat following general endotracheal anaesthesia for surgery in prone position: a double blinded placebo-controlled trial
68. Effect of repeated verbal reminder of orientation on emergence agitation in adults undergoing dorso-lumbar spine surgeries under general anaesthesia - A randomized controlled trial.
69. Effect of repetitive trans cranial magnetic stimulation (rTMS) in phantom limb pain
70. Effect of Single Dose Erythromycin on Gastric Residual Volume In Severe TBI Patients-A Randomised Control Trial.
71. Effectiveness of Institutional Physio therapeutic Intervention on Functional Movement, Strengthening and Flexibility Among School going Sports Children Aged 15-18 Years:- A Cluster randomised controlled trial. (Ongoing)
72. Efficacy of high volume Pericapsular Nerve Group (PENG) Block in Patients with Acetabular Fracture For Positioning for Subarachinoid Block: Prospective observational study
73. Efficacy of Point-of-Care Ultrasound in reduction of time to diagnose Acute Shoulder Injuries as compared to Usual Care in adult trauma patients presenting to Emergency Department: An Open Label Randomized Control Trial
74. Establishment of cause of sudden death taking in account traditional autopsy, virtual autopsy, histopathology, various biomarkers and other related findings.
75. Estimating age by the study of ossification centres using computed tomography scans of sacrum and sternum in north Indian population.

76. Evaluating Gunshot Fatalities: A Comparative Study of Postmortem CT and Traditional Autopsy Methods
77. Evaluating Sexual Dimorphism in Subpubic Angle Using Postmortem Computed Tomography in contemporary Indian population.
78. Evaluating Stab Wound Fatalities: A Comparative Study of Postmortem CT and Traditional Autopsy Methods
79. Evaluating the plasma biomarker level of Ang-2, RAGE and Clara cell protein (CC16) in chest trauma patients admitted in the ICU and its ability to predict the severity and outcome.
80. Evaluation of Discharge process and analyzing the delays of discharge at JPNATC
81. Evaluation of Patient Satisfaction with Inpatient Services offered at the Trauma Care Facility.
82. Evaluation of the Hospital Discharge Protocol in an Acute care setting: Insights from Trauma Centre, North India
83. Evaluation of the water bath ultrasound technique (WBT)in the diagnosis of distal hand and foot injuries in the emergency department
84. Evaluation of time taken for return of Radial and Ulnar Artery blood flow to basal values after radial artery decannulation using Duplex Doppler Ultrasound
85. Expanding antimicrobial resistance research and surveillance activities in the secondary level hospitals.
86. Functional and radiological outcome in patients with displaced intra articular fractures of calcaneus undergoing treatment with minimally invasive sinus tarsi approach- a prospective case series study.
87. Functional and Radiological outcomes following Dual Plating in the management of AO33-C2 and AO33-C3 Femoral Fractures – A Prospective Cohort Study
88. Functional and Radiological outcomes following Dual Plating in the management of AO33-C2 and AO33-C3 Femoral Fractures – A Prospective Cohort Study
89. Gamma-Knife for giant intracranial (>20cc) lesions
90. Identification of Semen Samples using mRNA as Molecular Marker
91. Impact of COVID on neurosurgical procedures in a tertiary care center
92. Impact of ketamine vs etomidate on inflammatory cytokines in hemodynamically unstable patients undergoing laparotomy for abdominal trauma
93. Impact of Modifications in Tender Conditions on Participation and Effective Contracting in Drug Tenders in a Tertiary Care Hospital
94. Impact of socioeconomic predictors on return to work in lower limb fracture.
95. Incidence and risk factor for prolonged ICU stay after pituitary surgery: An observational study
96. Incidence, predictors and prognosis of myocardial injury in severely injured patients, without head injury, admitted to the trauma intensive care unit of a level 1 Trauma center: A prospective observational study
97. Integrated Evaluation of Postmortem Coronary Artery Pathology: Correlation of Gross Examination, PMCT, and Coronary Explant Angiography
98. Linguistic and Cultural Validation of the mHealth App Usability Questionnaire M-MAUQ in Hindi
99. MRI characterization of pediatric brain tumors with histopathological correlation
100. Myodesis Vs Myoplasty Technique for Distal Stump Readiness for Acceptance to Prosthesis in Lower Limb Amputees Following Trauma-A Pilot Randomised Controlled Trial
101. Myodesis Vs Myoplasty Technique for Distal Stump Readiness for Acceptance to Prosthesis in Lower Limb Amputees Following Trauma-A Pilot Randomised Controlled Trial
102. National Emergency Life Support Course for Paramedics- Training of trainers: A course launched by MoHFW to build a pool of trainers for building the capacity of paramedics & EMTs in handling emergencies
103. Neutrophil-lymphocyte ratio and Platelet to lymphocyte ratio as markers for predicting the outcome in trauma patients: A Prospective Observational study
104. NGAL, cystitis-C, KIM-1and IL-6 as prognostic markers of acute kidney injury after isolated traumatic brain injury: A prospective cohort study
105. Optimising staffing levels of Operation Theatre Technical Staff using Workload Indicators of Staffing Norms
106. Outcome of patients who underwent massive transfusion- a retrospective study

107. Patterns of Laryngo-pharyngeal injury in patients of Corrosive ingeation presenting to Emergency department
108. Point-of care ultrasound for confirmation of gastric tube placement in pediatric patients requiring mechanical ventilation
109. Post market Clinical Follow-up study to evaluate the safety and performance of femoral neck system, dynamic hip system or cannulated cancellous screws in patient with femoral neck fracture (FNS, DHS, CCS)
110. Post market Clinical Follow-up study: A non-randomized, prospective to evaluate the Safety and Performance of Proximal Femoral Nail and Anti-rotation (PFNA) intended for femur related fracture fixation
111. Pre-anaesthetic ultrasonographic assessment of the subclavian vein for predicting post-induction hypotension in neurosurgical patients.
112. Predictability of preoperative carotid artery corrected flow time and respiratory variations of peak blood flow velocity for hypotension after spinal anaesthesia in geriatric patient undergoing hip fracture surgery
113. Predictability of preoperative carotid artery corrected flow time and respiratory variations of peak blood flow velocity for hypotension after spinal anaesthesia in geriatric patient undergoing hip fracture surgery
114. Predictability of Preoperative Carotid Artery Corrected Flow Time and Respiratory Variations of Peak Blood Flow Velocity for Hypotension After Spinal Anaesthesia in Geriatric Patient Undergoing Hip Fracture Surgery
115. Predictive detection of osteoporotic fractures in Indian population based on Artificial Intelligence Implementation
116. Prevalence of Augmented Renal Clearance in Paediatric Traumatic Brain Injury patients
117. Prospective Randomised Control Trial to Assess the Feasibility and Safety of Trophic Feed in Patients with Haemorrhagic Shock Admitted in Trauma Care ICU
118. Quick-Build Ward-Ready Spirometer A Low-Cost, Accessible Tool for Post-Operative Respiratory Care. SPIRO-Q Simple, Portable, Immediate Respiratory Optimizer
119. Randomized, open labelled, Phase Ila/Ilb Clinical trial to study safety and efficiency of intravenous estrogen therapy in reducing the incidence of sepsis/septic shock in Trauma Haemorrhagic Shock
120. Recovery profile following target-controlled versus manual controlled propofol infusion in patients undergoing endoscopic trans-sphenoidal pituitary surgery: A prospective, randomized, controlled study
121. Red Cell Distribution Width (RCDW), Neutrophil to lymphocyte ratio (NLR) and Platelet to Lymphocyte ratio (PLR) as a prognostic marker in aneurysmal Subarachnoid Haemorrhage (a-SAH) patients
122. Red Cell Distribution Width (RCDW), Neutrophil to lymphocyte ratio (NLR) and Platelet to Lymphocyte ratio (PLR) as a prognostic marker in TBI patients.
123. Retrospective multi-centric study for evaluating the clinical course and outcome of IgA nephropathy
124. Retrospective study of chest trauma patients admitted to ICU
125. Role of advanced USG and Spectral CT in evaluation of gallbladder mass
126. Role of Bevacizumabin NF2 for tumor control
127. Role of Dual Energy CT angiography in peripheral Vascular Trauma
128. Role of Gamma Knife in Craniopharyngiomas
129. Role of Negative pressure wound therapy in Acute Fracture Surgery: A Randomized controlled trial.
130. Role of point-of-care ultrasound (POCUS) in assessing gastric residual volume in trauma and non-trauma patients scheduled for elective surgery – a prospective cohort study.
131. Significance of candiduria-hospital based perspective
132. Sonographic assessment of suprahyoid airway parameters in adult patients planned for elective proseal placement: a pilot, observational study
133. Spinal alignment after fixation in trauma patients
134. Strengthening Emergency & Trauma Care in Rajasthan- Creating a pool of trainers on BLS & Post-Crash responses at selected colleges in Jaipur in collaboration with state road safety cell, Department of transport & Road safety, Government of Rajasthan
135. Study of Endothelial marker Syndecan in the peripheral blood of severe Traumatic Brain Injury (TBI) patients and its correlation with TBI induced coagulopathy and immediate outcome.

136. Study of evolution of cerebral edema, neuroinflammation and blood brain barrier disruption in Paediatric Traumatic Brain Injuries- Completed

137. Study of Gut Microbiome Alteration in Post-Menopausal Women patients with Osteoporosis: A Preliminary Study

138. Study of the effect of stainless steel and titanium biomaterial on the level of C3 and C4 serum Complement levels in patients undergoing intramedullary nailing for fracture shaft femur

139. Study of variations in anatomy and pattern of skull base fractures un patients with post traumatic CSF leak

140. Study the effect of spinal manipulation on biopsychosocial health aspects in forward shoulder posture

141. Study to assess the incidence of Venous Thromboembolism in high risk trauma patients admitted in a Level 1 trauma centre – A Prospective Observational Study

142. The effect of post spinal hypotension on cerebral oxygenation using NIRS and Neonatal outcomes in full term parturient undergoing lower segment caesarean section

143. The role of point of care ultrasound in diagnosing injury in and around knee as compared to magnetic resonance imaging presenting to emergency department

144. The Success Rate of Direct Peritoneal Resuscitation To Achieve Definitive Abdominal Closure In Patients Undergoing Damage Control Laparotomy-A Pilot Randomised Controlled Trial

145. To Analyse predictors of activation of major haemorrhagic protocol

146. To compare frequency of monitoring with Haemoglobin and Haematocrit in patients with Blunt Abdominal Trauma undergoing Non-Operative Management: A Randomized Controlled Trial

147. To compare the effect of Isokinetic training with Conventional exercises in patients with above knee amputation following trauma in relation to Prothesis adaptability and Gait: A Randomized Controlled Trial

148. To compare the efficacy of ketamine versus etomidate on inflammatory cytokines in hemodynamically unstable patients undergoing surgery for abdominal trauma: a randomized control trial

149. To Compare the outcome or Modified Shoelace Technique versus Negative Pressure Wound Therapy (NWT) assisted skin approximation of lower limb fasciotomy wounds in trauma patients - a Pilot Randomized Controlled Trial at a Level 1Trauma Centre

150. To determine the vitality of soft and hard ligature marks using special staining methods

151. To evaluate and compare the outcomes of resectional and non-resectional management of higher grade pancreatic injuries in a level 1 Trauma Centre

152. To evaluate the effect of decompressive craniectomy on cerebral venous oxygen saturation (SjVO2) in traumatic brain injury patients: A prospective observational study.

153. To evaluate the impact of N-Acetylcysteine (NAC) use in the treatment of traumatic lower extremity vascular injury – A Pilot Randomized Controlled Trial

154. To Improve the adequacy of preprocedural pain management in traumatic extremity fracture undergoing reduction-Quality improvement study

155. To study the Co-relation between Rhabdomyolysis and Liver Function Biomarkers in Musculoskeletal Trauma: A Prospective Observational Study

156. To study the effect of kinesiotaping on pain in patients with thoracic trauma – A Prospective Randomized Controlled Trial.

157. To study the effect of small bore size chest tube on pain in patients with thoracic trauma - A Randomized control trial

158. To study the effectiveness of Targeted Muscle Re-innervation (TMR) in alleviating residual limb pain and phantom limb pain/sensation in paediatric amputees following trauma– A Prospective Cohort Study

159. To study the efficacy of Cabergoline as an adjunct to Metformin in management of overweight obese women with PCOS

160. To study the pattern of mesenchymal stromal cells, hematopoietic progenitor and stem cells in the peripheral blood of trauma haemorrhagic shock patients

161. To study the predictive ability of ΔPOX-HR to predict HFNC success among trauma patients with Acute Hypoxemic Respiratory Failure (AHRF)

162. To study the risk factors and causes of extubation failure in head injury patients.
163. Ultra-massive transfusion for trauma in the era of haemostatic resuscitation. A retrospective single center cohort from a level-1 trauma center in India
164. Ultrasonography for confirmation of gastric tube placement in traumatic brain injury patients requiring mechanical ventilation
165. Use of non-invasive cardiac out monitoring for optimization of hemodynamic parameters versus standard care in geriatric patients with hip fractures undergoing surgery under spinal anaesthesia. A Pilot study
166. Usual Care in adult trauma patients presenting to Emergency Department: An Open Label Randomized Control Trial"

Completed

1. A randomized control trial to compare the radiological and functional outcome of communited distal radius fractures 2R3C3.1 and 2R3C.2 treated with only volar plating versus combined volar and dorsal plating.
2. A study to compare and correlate the Thoracic Trauma Severity Score (TTSS) with conventional Trauma Scores in Trauma patients at a Level I Trauma Centre
3. Airway changes in patients undergoing spine surgery in the prone position: A prospective observational study
4. Anterior Minimal Invasive Plating Using Reverse PHILOS versus Posterior Open Reduction and Internal Fixation (ORIF) with Extra- Articular Locking Compression Plate (EALCP) in the management of distal third Humeral Diaphyseal/Metaphyseal Fractures- A Randomized Controlled Trial
5. Characterization of Chronic Kidney Disease of Unknown Origin in Patients attending Nephrology OPD of AIIMS, New Delhi-A cross-sectional study
6. Comparative study of Automated Quantitative Pupillometry and clinical pupillometry in Neurocritical care
7. Comparing different types of laryngoscopes for endotracheal intubation in various difficult airway scenarios simulated using a high-fidelity airway mannequin model - an observational study
8. Comparing safety and efficacy of indigenous goggles with fan versus standard goggles in health care worker in COVID ICU
9. Comparing the effect of Fentanyl and Midazolam with Ketofol for ICU sedation on the extended Glasgow outcome scale at three months in moderate to severe traumatic brain injury patients -A prospective randomized study.
10. Comparison between pericapsular nerve group block and fascia iliaca block for postioning before neuraxial block in patients with hip fractures-: Randomized controlled pilot study.
11. Comparison of the effect of ketofol and ketodex as procedural sedation and analgesia for Oocyte retrieval during in vitro fertilization procedures- a randomized controlled trial.
12. Comparison of Various Laryngoscopes for Nasotracheal Intubation in Simulated Difficult Airway Scenarios: A Randomized Self-Controlled Crossover Trial
13. Correlation of clinical and radiological parameters in outcomes of Morel Lavellee lesions at a level 1 trauma centre
14. Correlation of serum Immunoglobulin A/complement factor 3(IgA/C3) with the clinical and histologic severity in patients with IgA nephropathy
15. CT based evaluation of spinal canal decompression achieved using posterior wall subsidence of retropulsed fragment in thoracolumbar burst fractures
16. Delay in hip fracture surgery: Reasons and impact on outcomes Efficacy of partial corpectomy in canal clearance for thoracolumbar burst fractures: A CT based radiological assessment.
17. Development of Patient education software to aid in post operative rehabilitation of hip fractures with analysis of its impact in functional outcomes of patients.
18. Effect of different dose regimens of Tranexamic acid in pelviacetabular fracture – A Randomized clinical trial.
19. Effect of Neuroradiologic interventions on regional cerebral oxygenation in patients with anterior circulation aneurysms: An observational Study
20. Effect of Sugammadex versus Neostigmine reversal on lung aeration score after operative fixation of cervical spine: A prospective, double blinded, randomised control trial.

21. Effect of systemic lidocaine and dexmedetomidine on perioperative analgesia and 3-month outcome in patients undergoing supratentorial craniotomy under inhalational anaesthesia: a randomized control trial.
22. Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study.
23. Evaluation and development of Machine learning (ML) models for the automated detection, localisation and characterisation of traumatic rib fractures on CT scans
24. Evaluation of Compliance with WHO Surgical Safety Checklist Parameters in Trauma Center, India
25. Evaluation of effect of ketofol and ketodex on duration of seizure activity, hemodynamic profile, recovery times and cortical activity (using fnirs) in patients undergoing electroconvulsive therapy for depression
26. Evaluation of time taken for return of radial and ulnar artery blood flow to basal values after radial artery decannulation using duplex doppler ultrasound
27. Frailty as a predictor of adverse discharge outcomes in geriatric trauma patients undergoing surgery: A prospective Case Control Study
28. Health related quality of life in adult patients with primary glomerular diseases in India
29. Healthcare Package Utilization in Burns and Reconstructive Plastic Surgery under PM-JAY
30. High level of resistance to Ceftazidime-Avibactam, Ceftolozane-Tazobactam and Imipenem-Relebactam against multidrug resistant Klebsiella pneumoniae clinical isolates from an Indian hospital.
31. Hybrid method of teaching -learning is effective in improving communication- an experience of an interventional pre-post single-arm study through communication workshop for nurses. (under Publication)
32. Identification of biomarkers for cognitive impaired mild head injury patients
33. Impact of pregnancy on renal survival and pregnancy outcomes in women with primary glomerular diseases: a retrospective study
34. Impact of psychosocial intervention on quality of life in patients with post- traumatic limb amputation/s : A Randomized controlled trial
35. Incidence of VAE and impact of bundled care: implementing updated National Healthcare safety network surveillance criteria
36. Perioperative Inflammatory Cytokines Alteration and Neutrophil Extracellular Trap Formation with Various Anesthetic Techniques in Patients Undergoing Major Orthopedic Trauma Surgery.
37. Pituitary dysfunction following stereotactic radiosurgery for secretory pituitary adenomas
38. PMCT-based sex determination using posterior segment of greater sciatic notch in North Indian population
39. Prevalance of mucormycosis in patients discharged from COVID Center and Factors associated with it.
40. Primary Gamma-Knife with concurrent Temozolomide for GBM
41. Proficiency evaluation of Novice Anesthesiology residents in simulated awake fiber optic guided oral intubation after a structured training program – a manikin based study
42. Profile and Antibiotic Susceptibility Pattern of Bacterial Infections in Orthopedic trauma ward: An eight-year experience
43. Prophylactic antibiotic use in abdominal trauma patients undergoing operative intervention- A Randomized control trial
44. Prophylactic antibiotic use in abdominal trauma patients undergoing operative intervention- A Randomized Controlled Trial
45. Quadriceps depth measured by point of care ultrasound as a tool to discriminate between frail and non-frail patients with traumatic brain injury: A prospective observational study
46. Randomized Control Trial comparing Clinical, Radiological and Functional Outcomes following Uniaxial vs Polyaxial Plating in Proximal Tibia Fractures and CT guided Mapping of Proximal Tibia Fractures in Indian Population
47. Randomized control trial comparing Radiological, Clinical and Functional Outcomes following the Supra-patellar and Infra-patellar nail insertion techniques in the treatment of extra-articular tibial shaft fractures in Indian Population.

48. Serum lactate, base deficit and glucose levels as prognostic markers of severe traumatic brain injury
49. Sleep quality assessment in trauma patients requiring intensive care - A prospective observational study
50. Stature estimation from postmortem multidetector computed tomography (PMCT) foramen magnum measurements in North Indian population
51. Study of the serum complement c3 and c4 levels in patients undergoing intramedullary nailing for fracture shaft femur
52. Study of Traumatic brain injury induced secondary gastrointestinal changes
53. Surveillance of Hospital-Acquired Urinary Tract Infections and Importance of Candiduria in adult Medical ICU
54. The effect of Cabergoline and dienogest on Pro Inflammatory markers in Endometriosis: A Pilot Study
55. Therapeutic Application of Bone Marrow Derived Stem Cell in Complete Spinal Cord Injury
56. To compare frequency of monitoring with Haemoglobin and Haematocrit in patients with Blunt Abdominal Trauma undergoing Non-Operative Management: A Randomized Controlled Trial
57. To Compare the outcome of Modified Shoelace Technique versus Negative Pressure Wound Therapy (NPWT) assisted skin approximation of lower limb fasciotomy wounds inn trauma patients – A pilot randomized control trial at Level 1 trauma center
58. To describe MRI patterns in various subtypes of pediatric acquired demyelinating syndrome at onset and follow up
59. To evaluate the correlation between non-invasive (NIRS) and ONSD) and invasive(ICP catheter) techniques of ICP measurements in adults with traumatic brain injury- A prospective observational study
60. To evaluate the impact of N-Acetylcysteine (NAC) use in the treatment of traumatic lower extremity vascular injury – A Pilot Randomized Controlled Trial
61. To study the effect of combination therapy (NPWT + topical oxygen) versus Negative pressure wound therapy (NPWT) alone on large post traumatic wound: A pilot Randomized Control Trial
62. To study the effect of combination therapy (NPWT + Topical oxygen) versus Negative pressure wound therapy (NPWT) alone on large post traumatic wounds: A pilot Randomized Control Trial (Chief Guide)
63. To study the effect of initial irrigation and suction on outcome of patients with Traumatic hemothorax: A randomized controlled trial

Collaborative projects

Ongoing

1 A cross-sectional study comparing gut microbiome composition of adolescents with depression and healthy controls, Psychiatry, AIIMS

2 A pilot study to evaluate the functionality of Below Elbow Prosthesis BIONICLI for essential Activities of Daily Living ADL in below elbow amputees following Trauma, NCAHT AIIMS, New Delhi (IIT Kanpur)

3 A prospective cohort study to establish correlation between High frequency USG and ICG fluorense imaging in the Diagnosis of Lymphedema, Plastic Surgery

4 A Prospective Observational Study to Assess the Utility of da Vinci Xi Robotic System for Brachial Plexus Exploration and Reconstruction, Plastic Surgery

5 A RCT to compare the incidence of symptomatic and asymptomatic Venous thromboembolic events following pelviacetabular surgeries in patients receiving direct oral anticoagulants vs the patients receiving low molecular weight heparin as chemoprophylaxis", Orthopedics

6 A study on the practice of anticoagulation in postpartum patients and their outcomes in a tertiary care hospital, Gynaecology, AIIMS

7 Aerosolized colistin in ventilator associated pneumonia caused by carbapenem resistant acinetobacter : a randomized controlled trial, Anaesthesia

8 An ambispective observational study comparing long term outcomes in patients undergoing laparoscopic vs EUS guided drainage of walled off necrosis/pseudocyst of pancreas following acute pancreatitis, Surgical Disciplines

9 Analytical performance of automated nucleic acid extraction system for gastrointestinal and bloodstream pathogens, Dr. Suneeta Meena (AP-Lab Medicine)

10 Assessing the Health Care Package utilization in BPS under PMJAY and its barriers and facilitators, Burn and Plastic Surgery

11 Assessment of cerebral autoregulation by near infrared spectroscopy (NIRS) in patients with Severe TBI, Neurosurgery

12 Assessment of labelling efficiency, dosimetry and safety profile of 188Re-N-DEDC/Lipiodol trans-arterial radionuclide therapy in Hepatocellular carcinoma, Nuclear Medicine and Gastroenterology

13 Assessment of labelling efficiency, dosimetry and safety profile of 188Re-N-DEDC/Lipiodol trans-arterial radionuclide therapy in Hepatocellular carcinoma, Nuclear Medicine and Gastroenterology

14 Assessment of liver fibrosis with non-invasive tests and scoring systems in correlation with liver biopsy in morbidly obese patients before and after bariatric surgery, Surgical discipline

15 Baseline cyst size guided increase in duration for steroid therapy in viable parenchymal Neurocysticercosis: A pilot prospective interventional study, Pediatric Neurology

16 Capacity building and strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC), Dr. Purva Mathur Professor, Department of Lab Medicine JPNATC, AIIMS, New Delhi

17 Centre for advanced Research (CAR) in Hospital Acquired Infections-Prevention and Control, Lab medicine

18 Cerebrospinal Fluid Biomarkers in Idiopathic Intracranial Hypertension: Targeted Proteomics Analysis, Neurology, Neuroradiology and Neuroanaesthesiology AIIMS, New Delhi.

19 Clinical outcome of chest trauma patients with fracture ribs patients undergoing rib fixation, Trauma surgery

20 Comparison of proportion of Complete Pathological Response following Neoadjuvant chemotherapy along with Hyperbaric oxygen therapy v/s Neoadjuvant chemotherapy alone in women with Invasive Breast Carcinoma: A Randomized Controlled Trial with Superiority Hypothesis, Dr Kamal Kataria Deptt of Surgical Disciplines AIIMS Delhi

21 Comparison of TARM vs IPOM plus for management of primary and incisional hernia in terms of early outcomes and cost-effectiveness: A randomised control trial, Surgical Disciplines

22 Correlation of lung and gut microbiome of critically ill patients: a prospective observational pilot study, Dr. Choro Athiphro Kayina (AP-Anaesthesiology, Pain Medicine & Critical Care)

23 Correlation of sleep architecture with cognition, behaviour and executive function in children and adolescents aged 5 – 18 years with pharmaco-responsive non-lesional epilepsy: An observational study, Pediatric Neurology

24 Correlation of Traits of Tumour Immune-Microenvironment and Response to Targeted Anti-PD-L1 And Anti-VEGF Therapy in Hepatocellular Carcinoma: An Ambispective Study, Pathology and Gastroenterology

25 Creation of Center of Excellence with ICMR Collaboration at BPS, Burn and Plastic Surgery

26 Defining the Fc receptor based immune landscape in rheumatic heart diseases, Department of Cardiac Biochemistry

27 Development and evaluation of rapid fingerprint restoration solution for dried decomposed fingertips in Indian climatic conditions: a comparative analysis of methodologies, variation in pH and temperature., Department of Forensic Medicine & Toxicology, KMC, Manipal

28 Development and method validation for Z-drugs and Tramadol analysis in biological matrices, National Forensic Science University, Delhi campus

29 Development of an Artificial Intelligence-based app for remote delivery of speech therapy in cleft lip-palate patients (SWARA- “Speech-therapy With Artificial intelligence Remote Assistance- on-going work, IIT Delhi

30 Development of training model for delineation of vascular supply relevant to reconstructive surgical procedures of upper limb: a novel method of cadaver processing, Plastic Surgery

31 Development transvaginal probe- based dermatoscope with automated AI-enabled decision support for detection of cancers and infection. Funded by ICMR (First in the World Challenge), Department of Dermatology and Venereology./ AIIMS, New Delhi

32 Developmental of Trauma ICU registry – an ICMR Project., Critical care and Anaesthesia, Trauma Surgery

33 Dynamic needle tip positioning versus short axis technique for ultrasound-guided internal jugular venous cannulation in adult surgical patients: a randomized controlled trial, Neuroanesthesiology and critical care

34 Effect of ketofol versus fentanyl and midazolam for icu sedation on brain injury biomarkers in moderate to severe traumatic brain injury patients – a prospective randomized controlled study, Lab Medicine

35 Effect of repetitive transcranial magnetic stimulation (rTMS) of dorsolateral prefrontal cortex (DLPFC) in patients with phantom limb pain, Dr Akansha Singh Department of Physiology AIIMS New Delhi

36 Effects of early administration of methylene blue in intraabdominal sepsis patients with septic shock - A randomized controlled trial, Anaesthesia, AIIMS

37 Establishment of a fragility fracture Liaison Service at AIIMS: A multicentric study., Dr. Vijay Sharma (Orthopaedics)

38. Establishment of the Centre for Advanced Research for Bacteriophage Research and Therapy to combat Multidrug-Resistant infections caused by ESKAPE pathogens., Dr Tanu Sagar Deptt of Microbiology AIIMS Delhi

39. Evaluation of a novel herbal antiseptic formulation-SEPIL for the treatment of chronic limb ulcers and pressure ulcers: A randomized, double blind, placebo-controlled trial, Dr. Vijay Sharma Prof of Orthopedics, JPNATC AIIMS Prof Vivek Verma IIT Kanpur

40 Evaluation of adaptability of indigenously developed low-cost light weight polycentric polymeric knee joint (PPKJ) and its effect on quality of life & rehabilitation on post traumatic transfemoral amputees, Dr Mohit Joshi Deptt of Surgical Disciplines AIIMS Delhi Prof Naresh Bhatnagar IIT Delhi

41 Evaluation of early administration of flourocortisone in septic schock., Critical care medicine, AIIMS

42 Evaluation of Inflammatory salivary biomarker as a surrogate indicator of systemic response to thermal burn injuries (Dr Simran Kaur Madan), Burns, AIIMS

43 Evaluation of Medical certification of death at AIIMS and to prepare a training programme, Department of CCM

44 Evaluation of outcome of three-dimensional printing model and stimulation program for post traumatic nasal deformities correction, Dr Raj Manas Department of Plastic Reconstructive & Burns Surgery AIIMS New Delhi

45 Evaluation of prevalence of cyanide poisoning in patients of flame burn injuries admitted at a tertiary health care facility, Department of Burns and Plastic Surgery

46 Expansile duraplasty in patients with complete cervical spinal cord injury- A prospective randomized open blinded end point (PROBE) study, Neurosurgery, Neuroanaesthesiology and Critical Care

47 Expansion of antimicrobial stewardship (AMSP) and infection control program (ICP) of ICMR in secondary care hospitals, Lab medicine

48 Gait Analysis in symptomatic flexible flatfoot and its correlation with radiological and clinical parameters, Orthopedics

49 Gait Kinematics and neurogenic bladder in incomplete spinal cord injury patients following transcranial magnetic stimulation: a randomized controlled trial, Department of Physiology

50 Impact evaluation of a surgical capacity building intervention in rural India, India-Norway collaboration with WHO.

51 Impact of surgical stabilization of rib fractures on requirement of ventilator support, analgesia and hospital stay: A randomized pilot study, Trauma Anaesthesia & Critical Care and Trauma surgery, JPNATC, AIIMS, New Delhi

52 Impact of surgical stabilization of rib fractures on requirement of ventilator support, analgesia and hospital stay: A randomized pilot study, Trauma surgery, JPNATC, AIIMS, New Delhi

53 Implementation of AMSP in various tertiary centers across India, Dr. Richa Aggarwal (Anesthesia & Critical Care, JPNATC)

54 Improving ventilator strategies for patients who are on mechanical ventilation in the emergency department of AIIMS, New Delhi - A Quality Improvement Study, Emergency Medicine

55 Infrared pupillometry as a diagnostic tool in assessment of non-convulsive status epilepticus in severe TBI at level-1 trauma center in INDIA, Neurosurgery

56 March 2021- March 2024 + 3 months extension: A pilot parallel arm Randomized Control Trial evaluating the impact of Yoga intervention in treating post traumatic limb fractures which develop Complex Regional Pain Syndrome (CRPS I) and assessment of their quality of life., Dr. Vijay Sharma (Orthopaedics)

57 Multi-analytes lateral flow immune assay for the detection of sepsis and multi-organ dysfunction syndrome in post-trauma patients, Laboratory Medicine, Trauma Surgery and Critical Care, Forensic Pathology and Molecular Medicine, Neuroanaesthesiology, JPNATC, AIIMS, New Delhi

58 NGAL, cystitis-C, KIM-1and IL-6 as prognostic markers of acute kidney injury after isolated traumatic brain injury: A prospective cohort study, Trauma Anaesthesia & Critical Care, Neuroanaesthesia

59 Posterior cervical fixation versus long-term cervical collar for management of Hirayama Disease: Prospective randomized open blinded endpoint (PROBE), phase III study, Neurology, Neurosurgery, Neuroanaesthesiology, Neuroradiology AIIMS, New Delhi.

60 Pre-anaesthetic ultrasonographic assessment of the subclavian vein for predicting post-induction hypotension in Neurosurgical patients., Neuroanesthesiology and critical care

61 Profiling of inflammatory cytokines and metabolites for observation of serial changes in patients with Blunt Torso Trauma: A Prospective cohort and observational study, AIIMS-ICGEB

62 Prospective study to assess knee deformities in paediatric outpatients and its correlation with nutritional status and regulators of bone metabolism, Orthopedics

63 Role of PET-CT in response assessment of zoledronate in GCT of bone, Orthopedics

64 Role of topical oxygen therapy as an adjunct to negative pressure wound therapy in the management of traumatic wounds: a randomized controlled trial, Dr. Pratyusha Priyadarshini (AP-Surgery)

65 Role of yoga in secondary prevention of hip fractures in the elderly, Dr. Vijay Sharma (Orthopaedics)

66 Selenium supplementation improves redox and mitochondrial health to mitigate tuberculosis infection, Biotechnology, AIIMS

67 Short-time low peep challenge test to predict fluid responsiveness during spine surgery in the prone position with low tidal volume ventilation: A prospective observational study, Neuroanesthesiology and critical care

68 Steroid therapy in patients with acute severe pancreatitis for resolution of organ failure. A randomized controlled double blinded trial (STAR) (Dr Soumya), Gastroenterology, AIIMS

69 Study to Assess the Involvement of Subscapularis in Rotator Cuff Tears: Clinical, Radiological and Arthroscopic Evaluation, Orthopedics

70 Systemic immune inflammation index and procalcitonin in predicting mortality among sepsis and septic shock patients presenting to ED: A Prospective cohort, Emergency Medicine

71 The evaluation of STR markers in various Global and Indian populations for exploring the correlation between genotype and geolocation, National Forensic Science University, Delhi campus

72 Tidal volume challenge to predict fluid responsiveness during neurosurgery in lateral position with low tidal volume ventilation., Neuroanesthesiology and critical care

73 To Assess and Evaluate Outcomes of Various Treatment Modalities of Vascular Malformations, Surgical discipline

74 To compare the opioid sparing effects of combination of dexamethasone, paracetamol and ketorolac (dexpak) vs paracetamol, ketorolac (pak) in patients undergoing total laproscopic hysterectomy. A prospective double blind random undergoing total laparoscopic hysterectomy: a prospective double blind., Department of Anaesthesia, Critical and Pain Medicine, AIIMS, New Delhi

75 To determine the vitality of soft and hard ligature mark using special staining methods, FM, AIIMS

76 To develop and assess effectiveness of "Indian relabilitation for Neuropsychological well-being post brain tumor surgery" or iRENEW-BTSPackage, Clinical Psychology, Neurosurgery, Neuroanaesthesiology, Biostatics AIIMS, New Delhi.

77 To study the effect of a locally administered multifunctional cocktail on postoperative pain and blood loss in elective lumbar spinal surgeries: A prospective randomized control trial., Neurosurgery

78 Triacetylfusarinine C as a potential biomarker for invasive aspergillosis in hematological malignancy patients., Dr. Suneeta Meena (AP-Lab Medicine)

79 Ultrasonography for Confirmation of gastric tube placement in traumatic brain injury patients requiring mechanical ventilation, Neuroanesthesiology and critical care

Completed

1. A cross-sectional study comparing gut microbiome composition of adolescents with depression and healthy controls, Psychiatry

2. A pilot study to evaluate the functionality of Below Elbow Prosthesis BIONICLI for essential Activities of Daily Living ADL in below elbow amputees following Trauma, NCAHT, IIT Kanpur

3. A prospective cohort study to establish correlation between High frequency Usg and ICG fluorense imaging in the Diagnosis of Lymphedema, Plastic Surgery
4. A Prospective Observational Study to Assess the Utility of da Vinci Xi Robotic System for Brachial Plexus Exploration and Reconstruction, Plastic Surgery
5. A RCT to compare the incidence of symptomatic and asymptomatic Venous thromboembolic events following pelviacetabular surgeries in patients receiving direct oral anticoagulants vs the patients receiving low molecular weight heparin as chemoprophylaxis", Orthopedics
6. A study on the practice of anticoagulation in postpartum patients and their outcomes in a tertiary care hospital, Gynaecology
7. Aerosolized colistin in ventilator associated pneumonia caused by carbapenem resistant acinetobacter : a randomized controlled trial, Anaesthesia
8. An ambispective observational study comparing long term outcomes in patients undergoing laparoscopic vs EUS guided drainage of walled off necrosis/pseudocyst of pancreas following acute pancreatitis, Surgical Disciplines
9. Analytical performance of automated nucleic acid extraction system for gastrointestinal and bloodstream pathogens, Lab Medicine
10. Assessing the Health Care Package utilization in BPS under PMJAY and its barriers and facilitators, Burn and Plastic Surgery
11. Assessment of cerebral autoregulation by near infrared spectroscopy (NIRS) in patients with Severe TBI, Neurosurgery
12. Assessment of labelling efficiency, dosimetry and safety profile of 188Re-N-DEDC/Lipiodol trans-arterial radionuclide therapy in Hepatocellular carcinoma, Nuclear Medicine and Gastroenterology
13. Assessment of labelling efficiency, dosimetry and safety profile of 188Re-N-DEDC/Lipiodol trans-arterial radionuclide therapy in Hepatocellular carcinoma, Nuclear Medicine and Gastroenterology
14. Assessment of liver fibrosis with non-invasive tests and scoring systems in correlation with liver biopsy in morbidly obese patients before and after bariatric surgery, Surgical discipline
15. Baseline cyst size guided increase in duration for steroid therapy in viable parenchymal Neurocysticercosis: A pilot prospective interventional study, Pediatric Neurology
16. Capacity building and strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC), Lab Medicine
17. Capacity building and strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC), Lab Medicine
18. Centre for advanced Research (CAR) in Hospital Acquired Infections-Prevention and Control, Lab medicine
19. Cerebrospinal Fluid Biomarkers in Idiopathic Intracranial Hypertension: Targeted Proteomics Analysis, Neurology, Neuroradiology and Neuroanaesthesiology
20. Clinical outcome of chest trauma patients with fracture ribs patients undergoing rib fixation, Trauma surgery
21. Comparison of proportion of Complete Pathological Response following Neoadjuvant chemotherapy along with Hyperbaric oxygen therapy v/s Neoadjuvant chemotherapy alone in women with Invasive Breast Carcinoma: A Randomized Controlled Trial with Superiority Hypothesis, Surgical Disciplines
22. Comparison of TARM vs IPOM plus for management of primary and incisional hernia in terms of early outcomes and cost-effectiveness: A randomised control trial, Surgical Disciplines
23. Correlation of lung and gut microbiome of critically ill patients: a prospective observational pilot study, Anaesthesiology, Pain Medicine & Critical Care
24. Correlation of sleep architecture with cognition, behaviour and executive function in children and adolescents aged 5 – 18 years with pharmaco-responsive non-lesional epilepsy: An observational study, Pediatric Neurology
25. Correlation of Traits of Tumour Immune-Microenvironment and Response to Targeted Anti-PD-L1 And Anti-VEGF Therapy in Hepatocellular Carcinoma: An Ambispective Study, Pathology and Gastroenterology

26. Creation of Center of Excellence with ICMR Collaboration at BPS, Burn and Plastic Surgery
27. Defining the Fc receptor based immune landscape in rheumatic heart diseases, Cardiac Biochemistry

RESEARCH OVER PAST 3 YEARS

Abhinav Kumar

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	2	4	4
Total funding	**Rs 33.20 Lakhs**	**Rs 41.20 Lakhs**	**Rs 67.69 Lakhs**

Amit Gupta

Research projects	2021-2022	2022-2023	2023-2024
Total funded projects	1	1	1
Total funding	**Rs 25 Lakhs**	**Rs 45 Lakhs**	**Rs 73 Lakhs**

Arulselvi S

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	3	4	4
Total funding	**Rs 71.38 Lakhs**	**Rs 112.60 Lakhs**	**Rs 103.60 Lakhs**

Arvind Kumar

Research projects	2022–2023	2023–2024	2024-2025
Total funded projects	Nil	Nil	1
Total funding	**Nil**	**Nil**	**1 Lakh**

Ashish Bindra

Research Project	2022-2023	2023-2024	2024-2025
Total funded projects	Nil	1	1
Total funding	**Nil**	**Rs 58.23 Lakhs**	

Asjad Mahmood

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	NA	1	2
Total funding	**NA**	**Rs 5 Lakhs**	**Rs 7.50 Lakhs**

Babita Gupta

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	Nil	01	01
Total funding	Nil	Rs 10 Lakhs	Rs 10 Lakhs

Chhavi Sawhney

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	Nil	01	01
Total funding	Nil	Rs 10 Lakhs	Rs 10 Lakhs

Deepak Kumar Gupta

Research projects	2020-2022	2022-2024	2023-2025
Total funded projects	2	2	1
Total funding	**2**	**2**	**1**

Dinesh Bagaria

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	1	1
Total funding	**Rs 37 Lakhs**	**Rs 37 Lakhs**	**Rs 37 Lakhs**

Garima Kachhawa

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	4	1	1
Total funding	**Rs 33.15 Lakhs**	**Rs 51.77 Lakhs**	**Rs 51.77 Lakhs**

Junaid Alam

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	1	1
Total funding	**Rs 5 Lakhs**	**Rs 26 Lakhs**	**Rs 27 Lakhs**

Kapil Dev Soni

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	1	1
Total funding	**Rs 33 Lakhs**	**Rs 33 Lakhs**	**Rs 33 Lakhs**

Keshav Goyal

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	2	2	1
Total funding	**Rs 60 Lakhs**	**Rs 60 Lakhs**	**Rs 35 Lakhs**

Mohammad Kausar

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	1	1
Total funding	**Rs 4.50 Lakhs**	**Rs 15.40 Lakhs**	**Rs 15.40 Lakhs**

Narendra Choudhary

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	02	01	01
Total funding	**Rs 13.25 Lakhs**	**Rs 8.50 Lakhs**	**Rs 10 Lakhs**

Navdeep Sokhal

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	2	Nil	1
Total funding	Rs 63 Lakhs	Nil	Rs 8.50 Lakhs

Niraj Kumar

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	Nil	1	1
Total funding	**Nil**	**Rs 77.22 Lakhs**	**Rs 7.72 Lakhs**

Nishtha Chawla

Research Project	2022-2023	2023-2024	2024-2025
Total funded projects	-	1	1
Total funding	**-**	**Rs 6.20 Lakhs**	**Rs 6.20 Lakhs**

Purva Mathur

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	5	5	6
Total funding	**Rs 7.47 Lakhs**	**Rs 7.66 Lakhs**	**Rs 573.59 Lakhs**

Richa Aggarwal

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	1	1
Total funding	**Rs 81.50 Lakhs**	**Rs 81.50 Lakhs**	**Rs 81.50 Lakhs**

Riniki Sarma

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	Nil	1	1
Total funding	**Nil**	**Rs 10 Lakhs**	**Rs 10 Lakhs**

Sharmishtha Pathak

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	Nil	1	1
Total funding	**Nil**	**Rs 10 Lakhs**	**Rs 10 Lakhs**

Soumita Bagchi

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	37	3	4
Total funding	**Rs 12 Lakhs**	**Rs 12 Lakhs**	**Rs 12 Lakhs**

Surya Sri Krishna Gour

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	-	1	1
Total funding		**Rs 85.22 Lakhs**	**Rs 85.22 Lakhs**

Suvashis Dash

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	0	0	3
Total funding	**0**	**0**	**Rs 94 Lakhs**

Vivek Trikha

Research projects	2022-2023	2023-2024	2024-2025
Total funded projects	Nil	Nil	1
Total funding	**-**	**-**	**Rs 2.70 Lakhs**

Yudhyavir Singh

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	1	1	1
Total funding	**Rs 4.39 Lakhs**	**Rs 4.39 Lakhs**	**Rs 4.39 Lakhs**

Publications

Journals: 204 **Abstracts: 17**

Chapters in Book: 34 **Books & Monographs: 03**

Publication over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**309**	**273**	**258**

PATIENT CARE

JPNATC HOSPITAL STATISTICS REPORT: YEAR 2024-2025

Total Bed Strength: 259

Table No. 01: Bed Distribution (Year 2024-2025)

Category	No. of beds in Year 2024-2025
General Beds	172
ICU Beds	60
Private ward Beds	21
HDU Beds	06
Total Beds	**259**

Table No. 02: Specialty wise Bed Distribution (Year-2024-2025)

Department	No. of Beds in Year 2024-2025
Ortho Beds	60
TSCC Beds	55 (Including 5 beds PRS)
Neurosurgery Beds	89 (with ICU beds)
Private Beds	21
Others (Disaster + EHS + MS pool + General ICU)	34
Total Beds	259

Table No:03 HOSPITAL PERFORMANCE INDICES: (Year 2024-2025)

Parameters	Year 2024-2025	Inference
Total Days of Care	73819	Indicates proper & improved utilization of hospital Resources.
Average length of stay	10.62 days	Indicates effective utilization of beds for regular Admissions.
Average Bed Occupancy Rate	78.09%	Indicates Optimal bed occupancy.
Bed Turnover Rate	2.24 Pt/Bed	Indicates high productivity of hospital beds.
Net Death Rate	4.79%	Indicates low mortality rate, despite the fact, quite large no. of Critically ill patients were admitted in the hospital.

Table No: 04 Statistical Health Bulletin: Year 2024-2025

S. No.	Category	Year 2024-2025
1.	**Total Patient Admitted**	**7379**
	Regular	**7365**
	Short	**014**
	a. Adult	**6774**
	b. Children and Newborn	**605**
2.	**Patients Discharged (including LAMA, absconded, discharge on request & Deaths)**	**6950**
	a. Adults	**6386**
	b. Children and Newborn	**564**
	Total days of care	**73819**
	Average length of stay of regular patients(days)	**10.62**
	Daily average number of patients in ED (as per daily census)	**166.08**
	Total attendance in casualty/ED	**60619**
	a. Adults (ED)	**54443**
	b. Children and Newborn (ED)	**6158**

3.	c. Others (Adults)	**0018**
	Average bed occupancy	**78.09%**
	Total inpatient deaths (including newborns)	**824**
	Total no. of deaths Registered in TC	**492**
	a. Deaths under 48 hours	**167**
	b. Deaths over 48 hours	**325**
4.	Total ED Death (Brought dead + December deaths)	**332+96=428**
	Total Deaths registered including (BD+DD)	**824**
	c. Gross death rate (%)	**7.08%**
	d. Net death rate (%)	**4.79%**
5.	OPD attendance including special clinics	**56957**
	New cases	**21565**
6.	Old cases	**35392**

Table N0: 05 -Department-wise admission in Trauma Centre: Year 2024-2025

DEPARTMENT	Admission		Total days of care		AVERAGE LENGTH OF STAY OF REGULAR ADMISSIONS (in days)
	Regular	Short	Discharge	Days of Care	
Orthopedics	2765	06	2768	22493	08.13
TSCC(Surgery)	2266	06	2213	26229	11.85
Neurosurgery	2314	01	1939	24642	12.71
PRS	19	00	29	454	15.66
Pain	01	01	01	01	01.00
Total	**7365**	**14**	**6950**	**73819**	**10.62**
	7379				

Table No: 06 Gender-wise Admission of patients at JPNATC:Year 2024-2025

Category	2024-2025	Specialty	M	F	Other	Mch	Fch	Total
Male	5353	Ortho	1927	736	00	071	037	2771
Female	1420	T/S	1767	326	01	107	072	2273
Others	001	N/S	1646	355	00	204	110	2315
Male Child	385	PRS	013	01	00	03	01	018
Female Child	220	Pain	00	02	00	00	00	002
Total	**7379**	**Total**	**5353**	**1420**	**01**	**385**	**220**	**7379**

Table No:07. State -wise distribution of Patients Admission in JPNATC: Year 2024-2025

State	DL	UP	HR	PB	RAJ	GUJ	AP	MP	MAH	UK
2024-2025	4192	1598	821	16	82	04	5	74	05	00
State	HP	BR	JHK	J&K	WB	ORISSA	TN	Other States	Foreign Country	Total
Year 2024-2025	06	314	30	18	51	12	03	146	02	7379

Table No.08 Department wise Discharge distribution

Department	Year 2024-2025
Orthopedics	**2768**
TSCC/Surgery	**2213**
Neurosurgery	**1939**
PRS	**029**
Pain	**01**
Total	**6950**

Table No. 09 Gender wise distribution of Discharges of patients

Category	2024-2025	Specialty	M	F	M.Ch	F.Ch	Total
Male	5064	Ortho	1931	725	74	38	2768
Female	1322	T/S	1733	302	107	71	2213
Male Child	367	N/S	1379	290	183	87	1939
Female Child	197	PRS	21	04	03	01	029
Others	00	Pain	00	01	00	00	01
Total	**6950**	**Total**	**5064**	**1322**	**367**	**197**	**6950**

Table No.10: Department wise Average length of Stay ALOS (Days)

Department	Year 2024-2025
Orthopedics	08.13
TS&CC/ (Surgery)	11.85
Neurosurgery	12.71
PRS	15.66
Pain	01.00
Total	**10.62**

Table No.11: Department wise Death Data at JPNATC: Year 2024-2025

Department	Discharges	Total Death	Deaths under 48 hrs.	Deaths Over 48 hrs.	Gross Deaths Rate in %	Net Deaths Rate in %
Orthopedics	2768	17	03	014	0.61%	0.51%
TSCC (Surgery)	2213	71	19	052	3.21%	2.37%
Neurosurgery	1939	307	49	258	15.83%	13.65%
PRS	29	01	00	01	3.45%	-
Pain	01	00	00	00	-	-
ED	53240	96	96	00	0.18%	
ED= BD+D. Death	-	51 = 45BD 06 428 =332 BD 096 ED	-	-	-	-
Deaths Occurred at TC	-	492 = 396WD 096 ED	167= 71 WD 96ED	325	-	-
Total Deaths Registered at TC	-	824 = 332 BD 396 WD 096 ED	167	325	-	-
Total	**6950**	**492**	**167**	**325**	**7.08%**	**4.79%**
		Total Registered Death : 824=M 652 + F 120+Mch 33+Fch 18 Others 01				

Table No: 12 Total Death Registered: Year 2024-2025

Month	M	F	M.ch.	F.ch.	Others	Total	Brought Dead	Total Deaths at TC	Daily Avg. Death Report
2024-2025	652	120	33	18	01	824	332	824-332=492	824/365=2.26

Table No: 13 Hospital Vital Indicator: Year 2024-2025

Month	Death under 48hrs	Death over 48hrs	Total Death Occurred at TC	GDR%	NDR%	BOR%	ALOS (Days)	BTOR/ bed	Daily Avg. ED Patient Attendance	Daily Avg. FOPD Attendance
2024-2025	167	325	492	7.08%	4.79%	78.09%	10.62	2.24	60619/365 = 166.08	56957/295 = 193.07

Table No. 14 Surgical Procedures done in Year 2024-2025

Department	Major	Minor	Total`	Male	Female	M.ch.	F.ch	Total
Orthopedics	3310	135	3445	2461	804	120	60	3445
TSCC(Surgery	2443	36	2479	1897	326	160	96	2479
Neurosurgery	1538	24	1562	1094	229	171	68	1562
PRS	47	2	49	42	02	02	03	049
Total	**7338**	**197**	**7535**	**5494**	**1361**	**453**	**227**	**7535**

Table no. 15 Gender wise distributions of Operations performed: Year 2024-2025)

Category	Year 2024-2025
Male	5494
Female	1361
Male Child	0453
Female Child	0227
Total	**7535**

Table No. 16 Minor OT DATA FOPD JPNATC (Year 2024-2025)

Specialty	Deptt. /Div. SL.No	Minor Case	M	F	M.Ch	F.Ch	Total
Neurosurgery	03	2400	1769	370	210	51	2400
Orthopedics	01	5009	3678	824	376	131	5009
Fragility Fracture Liaison Service (Ortho)	01A	237	128	88	14	07	237
TSCC(Surgery)	02	5007	3794	543	499	171	5007
Oral & Maxillo facial Surgery (TSCC)	02B	3507	2601	386	396	124	3507
Amputation Clinic (TSCC)	02A	505	385	53	42	25	505
Urology		209	190	14	04	01	209
Anesthesia PAC		11	10	01	00	00	11
PRS		1020	772	102	99	47	1020
Chest Trauma		110	94	08	06	02	110
Total		**18015**	**13421**	**2389**	**1646**	**559**	**18015**

Table No: 17 Minor OT DATA EM Deptt. (Yellow+Green Triage) Year 2024-2025

CASE TYPE	Major Case	Minor Case	Total Case
SUTURE	-	12980	12980
DRESSING	-	7951	7951
GRAND TOTAL		**20931**	**20931**

Table No: 17A ED PLASTER OT/ROOM YEALY DATA (Red +Yellow + Green Triage) Year 2024-2025

TYPE OF PLASTER CAST	Plaster Cast/Slab Applied	Plaster Cast/Slab Removed	Total Case
UPPER LIMB	5999	207	6206
LOWER LIMB	5442	247	5689
CHEST BRACE	2396	00	2396
GRAND TOTAL	**13837**	**454**	**14291**

Table No. 18 Gender wise Distributions of Minor OT at FOPD Data (Year 2024-2025)

Category	Year 2024-2025
Male	**13421**
Female	**2389**
Male Child	**1646**
Female Child	**559**
Others	**00**
Total	**18015**

Table No. 19 Patients Attendance in FOPD Clinics: (Year 2024-2025)

Department	Deptt./Div. SL.No	New Cases	Old Cases	Total Cases
Orthopedics	01	11692	19362	31054
TSCC (Surgery)	02	4256	4784	9040
Oral & Maxillofacial Surgery	02B	1649	1574	3223
Neurosurgery	03	2825	6343	9168
Urology	02C	068	391	0459
Psychiatry	-	186	705	891
Pain & PAC	-	61	46	107
Amputation	-	157	648	805
Neuro PAC	-	35	416	451
FFLS	-	217	694	911
Chest Trauma Clinic	-	419	429	848
Total		**21565**	**35392**	**56957**
Daily Avg. patient attendance		**21565/295= 73.10**	**25392/295= 119.97**	**56957/295= 193.07**

Table No:19A Clinic/Unit & Gender wise FOPD Data : Year 2024-2025

Sl. No.	Specialty	Unit	Male	Female	Mch	Fch	Total
01	**NEUROSURGERY**	**NEW**	1923	497	264	141	2825
		OLD	4668	1033	447	195	6343
		TOTAL	**6591**	**1530**	**711**	**336**	**9168**
02	**ORAL & MFS (OMS)**	**NEW**	1199	228	138	84	1649
		OLD	1322	178	51	23	1574
		TOTAL	**2521**	**406**	**189**	**107**	**3223**
03	**ORTHO-A**	**NEW**	3493	1417	484	207	5601
		OLD	6232	2205	611	226	9274
		TOTAL	**9725**	**3622**	**1095**	**433**	**14875**
04	**ORTH-B**	**NEW**	3626	1787	430	248	6091
		OLD	6672	2578	541	297	10088
		TOTAL	**10298**	**4365**	**971**	**545**	**16179**

05	**Psychiatry Clinic**	**NEW**	144	33	06	03	186
		OLD	587	107	04	07	705
		TOTAL	**731**	**140**	**10**	**10**	**891**
06	**TRAUMA SURGERY & CRITICAL CARE UNIT 1 & 2**	**NEW**	3158	679	278	141	4256
		OLD	3816	651	188	129	4784
		TOTAL	**6974**	**1330**	**466**	**270**	**9040**
07	**UROLOGY**	**NEW**	051	13	02	02	68
		OLD	337	41	10	03	391
		TOTAL	**388**	**54**	**12**	**5**	**459**
8	**Pain and PAC**	**NEW**	45	16	00	00	61
		OLD	36	09	01	00	46
		TOTAL	**81**	**25**	**1**	**0**	**107**
9	**Amputation Clinic**	**NEW**	128	18	08	03	157
		OLD	522	76	26	24	648
		TOTAL	**650**	**94**	**34**	**27**	**805**
10	**Trauma Ortho-'A' FFLS**	**NEW**	77	138	02	00	217
		OLD	196	498	00	00	694
		TOTAL	**273**	**636**	**2**	**0**	**911**
11.	**Neuro Anesthesia PAC Clinic**	**NEW**	27	03	03	02	035
		OLD	321	63	23	09	416
		TOTAL	**348**	**66**	**26**	**11**	**451**
12	**Chest Trauma Clinic**	**NEW**	334	66	15	04	419
		OLD	349	77	02	01	429
		TOTAL	**683**	**143**	**17**	**05**	**848**
	GRAND TOTAL		**39263**	**12411**	**3534**	**1749**	**56957**

Table No. 20 Total No of Patients Attended in Emergency Department:(Year 2024-2025)

Category	Year 2024-2025
Total patient's attendance in E.D.	60619
Daily Avg. patient ED attendance	166.08
Total no. of admission (IPD)	7379
Average admissions per day(IPD)	20.22
Average length of stay (days)	10.62
Total no. of follow up FOPD cases.	56957
Daily Avg. patient FOPD attendance	56957/295 = 193.07

Table No. 21 Gender wise distribution of E.D. patients: (Year 2024-2025)

Category	Year 2024-2025
Male	40156
Female	14287
Others	018
Male Child	3929
Female Child	2229
Others	00
Total	**60619**

Table No. 22 Medicolegal cases distribution in E.D: Year 2024-2025

Category	Year 2024-2025
MLC	34715 (57.27%)
Non- MLC	25904 (42.73%)
Total	**60619**

Table no. 23 EM Deptt. Triage-wise breakup of Patients: Year 2024-2025

Category	Year 2024-2025
Red	5603 (9.24%)
Yellow	33128 (54.65%)
Green	21712 (35.82%)
Black	0124 (0.20%)
Others(OPD, RD)	038 (0.06%)
Body Donation	014 (0.02%)
Total	**60619**

Table No: 24 State wise ED Patient Attendance Distribution JPNATC

State	DL	UP	HR	PB	RAJ	GUJ	AP	MP	MAH	UK
Data	49634	4875	3107	46	462	16	28	201	46	00
State	**HP**	**BR**	**JHK**	**J&K**	**WB**	**ORISSA**	**TN**	**Other States**	**Foreigners**	**Total**
Data	50	1167	108	55	179	45	31	543	26	60619

In addition to above, MRS performed below mentioned services also:

LIC case dispose of – 53, RTI application – 60, Police request -2253 (discharge summary), Police request (X-ray) - 3345, Files retrieval for research purpose - 1610, Demographic patient record corrections (EWD) - 761, Online/offline (hardcopy) NDMC Birth/ Death information - 824 cases.

Total Court Summons attended - 1929, attended by Doctors with MRT only -1548, attended by MRT only -381, within Delhi -1616, outside Delhi - 313, Doctor's joining 229, Doctor's no dues 137, Police Opinion -2091, Files retrieval (OSR) - 619.

ANNUAL AUDIT (FISCAL) OF BLOOD BANK, JPNATC, AIIMS FROM APRIL 2024-MARCH 2025

STATISTICS OF BLOOD DONATION COMPLEX
BLOOD BANK, JPNATC, AIIMS

Month	Donor screened	Donor Bled	Replacement donors			Voluntary Donors			Indoor Voluntary donor	Outdoor Voluntary donor camp	SDP
			Male donor	Female donor	Total	Male donor	Female donor	Total			
April 2024	1186	1005	938	8	946	48	8	56	20	36	3
May 2024	979	823	810	6	816	6	1	7	7	0	0
June 2024	820	683	622	11	633	40	10	50	9	41	0
July 2024	1407	1110	1085	15	1100	8	0	8	8	0	2
August 2024	1172	894	876	10	886	6	0	6	6	0	2
September 2024	1397	1123	1098	17	1115	8	0	8	8	0	0
October 2024	1232	1007	864	13	877	118	12	130	10	120	0
November 2024	1411	1145	1009	21	1030	91	22	113	13	100	2
December 2024	1258	1023	972	11	983	34	4	38	9	29	2
January 2025	1162	946	880	4	884	62	0	62	25	37	0
February 25	986	836	806	4	810	25	0	25	10	15	1
March 25	1282	1043	938	7	945	86	12	98	15	83	0
Total	**14292**	**11638**	**10898**	**127**	**11025**	**532**	**69**	**601**	**140**	**461**	**12**

Total no. blood donors screened: 4292

No. of voluntary blood donation camps: 9

Total no. blood donors bled: 11638

Number of replacement donors: 11025

Number of voluntary blood donors: 601

STATISTICS OF COMPONENT SEPARATION LABORATORY
BLOOD BANK, JPNATC

Month	Pack RBC Prepared	Fresh Frozen Plasma Prepared	Platelets Prepared	Cryoprecipitate prepared	Quality Control of Blood and Components
April 2024	1000	1000	924	70	1% of all units
May 2024	821	807	783	4	1% of all units
June 2024	671	655	655	0	1% of all units
July 2024	1090	1017	887	67	1% of all units
August 2024	876	868	777	0	1% of all units
September 2024	1097	1064	916	36	1% of all units
October 2024	992	954	846	17	1% of all units
November 2024	1127	1101	933	0	1% of all units
December 2024	1009	971	844	32	1% of all units
January 2025	925	849	806	70	1% of all units
February 2025	817	755	714	1	1% of all units
March 2025	1034	1001	887	16	1% of all units
Total	**11459**	**11042**	**9972**	**313**	

Total number of Packed RBC prepared: 11459

Total number of Fresh Frozen Plasma Prepared: 11042

Total number of Platelets prepared: 9972

Total number of Cryo prepared: 313

STATISTICS OF INFECTIOS MARKER LABORATORY AND DONOR COUNCELLING
BLOOD BANK, JPNATC, AIIMS

	HIV		HBsAg		HCV		VDRL		MP	
Month	**Done**	**reactive**	**done**	**reactive**	**Done**	**reactive**	**Done**	**reactive**	**done**	**reactive**
April 2024	1005	6	1005	4	1005	10	1005	11	1005	0
May 2024	823	2	823	10	823	12	823	5	823	0
June 2024	683	2	683	2	683	4	683	9	683	0
July 2024	1110	6	1110	1	1110	5	1110	20	1110	0
August 2024	894	5	894	3	894	13	894	9	894	0
September 2024	1123	3	1123	4	1123	6	1123	19	1123	0
October 2024	1007	9	1007	6	1007	10	1007	11	1007	0
November 2024	1145	8	1145	2	1145	1	1145	10	1145	0
December 2024	1023	5	1023	7	1023	6	1023	7	1023	0
January 2025	946	2	946	3	946	8	946	10	946	0
February 2025	836	4	836	6	836	8	836	10	836	0
March 2025	1043	3	1043	13	1043	8	1043	6	1043	0
Total	**11638**	**55**	**11638**	**61**	**11638**	**91**	**11638**	**127**	**11638**	**0**

HIV reactive percentage: 0.47%

HBsAg reactive percentage: 0.52%

HCV reactive percentage: 0.78%

Syphilis reactive percentage: 1.09%

STATISTICS OF GROUPING LAB
BLOOD BANK, JPNATC, AIIMS
NUMBER OF DONOR AND PATIENT GROUPING DONE

Month	Donor grouping	Patient grouping	Total
April 2024	1005	1332	2337
May 2024	823	1297	2120
June 2024	683	1244	1927
July 2024	1110	1293	2403
August 2024	894	1108	2002
September 2024	1123	1205	2328
October 2024	1007	1228	2235
November 2024	1145	1261	2406
December 2024	1023	1163	2186
January 2025	946	1280	2226
February 2025	836	1193	2029
March 2025	1043	1328	2371
Total	**11638**	**14932**	**26570**

Total no. of donor grouping done: 11638

Total no. of patient grouping done: 14932

Total no. of grouping done: 26570

STATISTICS OF EMERGENCY ISSUE COUNTER
BLOOD BANK, JPNATC, AIIMS
PATIENT SAMPLES RECEIVED, CROSS-MATCH DONE AND BLOOD/COMPONENT ISSUED

Month	No. of PRBC issued	FFP Issued	PRC Issued	Cryo Issued	SDP Issued
April 2024	909	546	680	6	2
May 2024	1048	564	811	0	0
June 2024	955	543	695	40	0
July 2024	1048	530	619	12	0
August 2024	1029	570	682	29	2
September 2024	1065	585	746	68	0
October 2024	1098	575	722	15	0
November 2024	1138	677	842	71	1
December 2024	857	469	614	20	3
January 2025	981	589	705	38	0
February 2025	976	680	726	57	0
March 2025	1067	609	722	85	0
Total	**12171**	**2937**	**8564**	**441**	**8**

BLOOD BANK, JPNATC, AIIMS
BLOOD AND COMPONENTS ISSUED TO OTHER HOSPITAL BLOOD BANKS
(MAIN AIIMS, CNC, GB PANT, LNH, ESI, DR. HEDGEWAR)

Month	Blood		FFP		PRC		Cryo		CPP
	Issued	Recieved	Issued	Recieved	Issued	Recieved	Issued	Recieved	Fractionation
April 2024	81	95	284	20	92	0	0	0	116
May 2024	138	145	50+379	45	30	117	0	0	21
June 2024	44	0	100	0	5	0	0	0	0
July 2024	6	295	320	30	155+2	35	0	0	0
August 2024	4	101	249	25	90	0	2	0	71
September 2024	4	40	320	24	75	0	0	0	0
October 2024	17	240	1+388	0	99	23	0	0	46
November 2024	32	93	400	55	15	0	0	0	0
December 2024	44	0	400	0	80	15	0	0	0
January 2025	23	65	440	70	20	60	0	0	40
February 2025	0	105	309	60	30	0	0	0	91
March 2025	0	62	0	60	105	10	0	0	0
Total	**393**	**1241**	**3640**	**389**	**798**	**260**	**2**	**0**	**385**

Total number of Packed RBC issued to other blood banks: 393

Total number of FFP issued: 3640

Total number of Platelets issued: 798

Tests Conducted (from 1 April 2024-31 March 2025) in the department of Laboratory medicine, JPNATC, AIIMS

Total Tests Conduct in Laboratory medicine w.e.f 1 April 2024-31 March 2025= 16,96,633

1. Hematology

Hemoglobin	**:** 71,120
HCT	: 71,120
RBC	: 71,120
PLT	: 71,120
TLC	: 71,120
MV	: 71,120
MCH	: 71,120
MCHC	: 71,120
RDW	: 71,120
DIFF	: 71,120
P/S and MP	: 8,187
ESR	: 6,137
Retic	: 3569
Dengue	: 239
Total	**: 7,29,332**

Coagulation

PT	: 43,412
APTT	: 43,412
D-dimer	: 29
Total	**: 86,853**

Clinical pathology

Urine Routine	: 4,221
Urine Myoglobin	: 4,221
Urine Fat	: 35
CSF Microscopy	: 673
Total	**: 9,150**

Total tests conducted in Hematology Section = 8,25,335

2. Biochemistry

Sugar	: 12915
Urea	: 57784
Creatinine	: 57783
Calcium	: 57783
Phosphorous	: 57783

Uric Acid	: 57783
Sodium	: 57783
Potassium	: 57788
TBIL	: 56998
DBIL	: 56998
Total protein	: 56887
Albumin	: 56887
SGOT	: 56887
SGPT	: 56887
ALP	: 56887
Cholesterol	: 2094
Amylase	: 1656
HDLD	: 31
LDLD	: 13
TG	: 120
VLDL	: 110
CK	: 93
CRP	: 6739
Mg	: 288
Lipase	: 60
CK-MB	: 88
CSF Sugar	: 589
CSF Protein	: 586
Peritoneal fluid sugar	: 01
Peritoneal fluid amylase	: 03
Ascetic Fluid Protein	: 12
Ascetic fluid Amylase	: 12
Ascetic fluid Sugar	: 23
Pleural fluid Amylase	: 33
Plueral Fluid Protein	: 28
Urinary spot Sodium	: 00
Urinary Patassium	: 00
Urine Ca	: 25
Urinary Urea	: 37
Urinary creatinine	: 132
24 hrs. urine protien	: 02
24 hrs urine sugar	: 03
24 Hrs Urine P/C Ratio	: 00
Urine osmolality	: 337
S. osmolality	: 130

Drain fluid amylase	: 66
Drain Fluid Creatinine	: 02
Lactate	: 00
LDH	: 53
Zinc:	: 202
Iron	: 00
Fluid Cholesterol	: 00
Fluid TG	: 00
Total	**: 8,30,480**
ABG	
PO2	: 3845
PCO2	: 3845
PH	: 3845
H+	: 3845
Potassium (K)	: 3845
Sodium (Na)	: 3845
Calcium (Ca)	: 3845
CL	: 3845
Total	**: 26,915**

Total tests conducted in Biochemistry Section = 8,57,395

3. Immunology:-

S. NO.	Marker	NO. OF TEST
1	IL-6	1068
2	PCT	3153
3	FERRITIN	418
4	TROPONIN-I	145
5	PTH	354
6	T3	388
7	T4	404
8	TSH	470
9	VIT D	**395**
10	BNP	42
	TOTAL	**6837**

TOTAL TESTS CONDUCTED IN IMMUNOLOGY SECTION= 6,837

Histopatholgy:-

SPECIMEN	BLOCKS	H&E	TOTAL SLIDES
765	1205	1257	1377
			TOTAL: - 4,604

Cytopathological Samples

S. No	Test	Total
1	H&E	53
2	PAP	55
3	AFB	09
Total		**117**

Forensic

Test	Total
Cases	88
Specimen	416
Block	872
Slide 969	
Total	**2,345**

TOTAL TEST CONDUCTED IN HISTOPATHOLOGY SECTION:- 7,066

Annual Statistics of procedures and studies done in Radiology from 1 April 2024 to 31 March 2025

CT SCAN	30539
MRI	1929
Ultrasound	39129
Interventional Procedures	118
X rays Emergency OPD Ward Portable/Bed-side **Total:**	 83939 18209 1599 29696 **133443**

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Abhinav Kumar was Faculty member for the Course development of Pre-Hospital Emergency Life Support Course for Paramedics and Emergency Medical Technicians by MoHFW, Govt. of India. Expert Member in the disciplinary Committee of Delhi Medical Council, New Delhi. Member of Institutional Ethical Review Board (IERB) of ICGEB, New Delhi. Member of Institutional Ethical Review Board (IERB) of IISER, Bhopal. Member of Sub-committee (Medical disposables & consumables) of National List of Essential Medicines (NLEM) of ICMR, New Delhi. DBT representative as a Biosafety Officer in the IBSC of Atal Incubation Centre-Jawaharlal Nehru University Foundation for Innovation (AICJNUFI-1081) New Delhi. Invited as the member of Board of Studies for the Trauma & Emergency Department of AIIMS Patna, Bihar. Invited by National board of examination (NBE) for faculty lecture in Postgraduate teaching program. External Examiner for practical/ clinical of final MBBS (General Surgery) at VMMC & SJH, New Delhi. External Examiner for Fellowship examination in Emergency & Critical Care at IGIMS, Patna. External Examiner for Theory / oral (VIVA) / practical/ clinical examination of MS General Surgery at NMCH, Patna. Successfully Completion of the 6th Definitive Surgical trauma Care course of International Association for Trauma Surgery and Intensive Care (IATSIC). Successfully Completion of the Advanced Surgical Skills for Exposure in Trauma Course (ASSET) of the American College Of Surgeons. Faculty member in the first Cadaveric workshop on lower limb amputees on 29 March 2025 in collaboration with AIIMS Cadaveric Surgical Skills Training (ACSST) lab at JPNATC, AIIMS, ND. As Chairperson in PG competitive paper in the sessions Breast, Endocrine and GI Surgery Day and in Free Oral Paper, in the ENDOSURG 2024 and 17th National Conference

of SELSI (SELSICON 2024) on the 17 October 2024. As Chairperson in session on Minimal Access surgery in the ENDOSURG 2024 and 18th National Conference of SELSI (SELSICON 2024) on the 18 October 2024. As Chairperson in the Poster presentation session at 5th Science Conclave Cum. National Biomedical Research Competition (NBRCOM 2024) 2 December 2024.

Dr Abhishek Singh Organised Focused Intensive Care Training for Nurses Workshop. Received membership of Research society of Anesthesiology clinical pharmacology. Received reviewer recognition for BMJ case report.

Dr Adarsh Kumar was Faculty In charge, Medical Records Section & Medical Social Welfare Unit at JPNA Trauma Centre. Included as International Scientific Committee Member for 26th Triennial Conference of International Academy of Legal Medicine- IALM-2024 organized at Athens, Greece on 21 May 2024. Also Chaired the session on "Child Abuse" in this top most conference of world in the field of forensic medicine. Guest of honour at 10th Annual Conference on Recent Advances in Chemical and Environmental Sciences RACE at Gwalior on 28 March. 2025. Elected Secretary General of Indo-pacific Association of Law, Medicine & Science (INPALMS). Elected Vice President of Indian Academy of Forensic Medicine. Delivered Special Invited Lecture on Occasion of Forensic Medicine Day Quaestio Forensis on 12 May 2024 at Agra, UP. Imparted training to police personnels at Dist. Shimdega, Jharkhand to know about postmortem examination and its intricacies in view of implementation of new law on 10 August 2024. Resource person for workshop on Basics of Forensic Anthropology at Bhopal, MP on 9-10 September 2024. Board of Studies Member-External Expert in Forensic Sciences at The West Bengal University of Juridical Sciences, Kolkata, Board of Studies Member-External Expert in Forensic Medicine & Forensic Sciences at Manipal University, Manipal, Board of studies Member in Forensic Sciences at Government Institute of Forensic Sciences, Nagpur. Research Advisory Committee member of National Forensic Science University, Ahmedabad, and New Delhi campuses, Board of Studies Member-External Expert in Forensic Medicine at Aligarh Muslim University, Aligarh, Board of Studies Member-External Expert in Forensic Sciences at Maharshi Dayanand University, Rohtak. Honorary Medicolegal Expert to National Human Rights Commission, India.

Dr Amit Gupta was Council Member (Asia). International Association for Trauma Surgery and Intensive Care (IATSIC) – ISS/SIC. 2022-2026. Member Expert Group - IATSIC WHO Joint Trauma Operative Course for Resource Challenged Settings. Member Expert Group for Revision of WHO's Guidelines for Essential Trauma Care. Member: Experts Group National Academy of Medical Sciences (NAMS) - Task Force on Accident and Critical Care. Expert Member, NBEMS Assessment for FNB (Trauma & Acute Care Surgery). Secretary General, Asian Collaboration for Trauma (ACT). November 2024 – Till date. National Coordinator for webinars for the Fellowship of National Board of Examinations (FNB) in Trauma and Acute Care Surgery. National Board of Examination in Medical Sciences, MoH&FW, Govt. of India. January 2021- till date. Education Committee Chair of the Asian Collaboration on Trauma. December 2020-Till Date. Chairman Academy of the Asian Collaboration for Trauma (ACT) December 2020-November 2024. Subject Expert of Trauma and Emergency for the Standing Selection Committee for faculty Interviews on 27 July 2024 at AIIMS, Mangalagiri. Examiner for Post- Doctoral Fellowship Examination in the subject of Thoracic & Thoracoscopic Surgery. Practical Exam on 10 August 2024 at AIIMS, Jodhpur. External Examiner for MS (Traumatology & Surgery) Practical & Viva voce 16-17 January 2025, KGMU, Lucknow(UP). Member: Experts Group NIHFW, for the Course on Hospital preparedness for Health Emergencies for Senior Hospital Administrators. 2018 – till date. Member: Experts Group NIHFW, for the Training on Hospital preparedness for Health Emergencies for District Health Officers. 2018 – till date. Member, Medical board for Medical/Psychological Examination at AIIMS for Antarctic Expedition Team. 2016 till date. Visiting Faculty, Transport Research and Injury Prevention Program Centre(TRIPP), Department of Civil Engineering, Indian Institute of Technology, Delhi. Visiting Faculty, Department of Trauma Surgery and Critical Care, All India Institute of Medical Sciences, Rishikesh.

Dr Anant Gupta was DMA Distinguished Service Award, Member Secretary and Project Officer of Infectious Disease and Critical Care Block, Member of SPC of JPNATC. Member of SPC of Main Hospital. Guest Lecture for IIM Jammu. Guest lecture for Management Programme in Coal India. Full time NABH assessor. Member of Space allocation committee at JPNATC. Involved in Modular OT project. The work will add 5 more OT at JPNATC. Involved in Hybrid OT project (47 Cr) Currently in tendering stage. Officer Incharge of Procurement CAPFIMS. Planning and Designing of CBRN Facility at JPNATC. Site and Feasibility report creation. Planning and Designing of the building. Planning and Designing of OPD at JPNATC to augment the OPD Chambers. Planning of and Designing of Solid Organ Transplant Centre. Nodal person at JPNATC for Containment of Vector Bourne Diseases. Member in Implementation of Good Samaritan Scheme. Member of Quick Response team. Involve in enquiry committees. Member of Medical Record Committee at JPNATC. Member of Department Academic Committee. Officer Incharge Outsourcing Cell. Streamlining of Processes. Member of TSEC of BPS. Visiting Faculty to IIM Jammu

Dr Arulselvi S Co-organizing Secretary of IABS North Zone 2024 Conference.

Dr Ashish Bindra featured in Indian Journal of Anesthesia Podcast. Organized National Nutrition Month and World Food Day celebration on 18 October 2024 at JPNA Trauma Center. Executive member, Indian Society of Neuroanaesthesiology and Critical Care. Executive member, Neurocritical Care Society of India. Member education committee Society for

Neuroscience in Anesthesiology and Critical Care (SNACC). Team lead for e-education, Neurocritical Care Society of India. Journal club coordinator, Indian Society of Neuroanaesthesiology and Critical Care. Editorial Board Neurology India, Journal of Neuroanesthesiology and Critical Care. Received grant as Chief Investigator: Micronutrient deficiency in children with moderate to severe traumatic brain injury: Burden and association with outcome, Funding agency : Indian Council of Medical Research, Funds assigned : 58,23,000 INR.

Asjad Mahmood was Selected for the IAS-Dr Gopalakrishnan Inland Fellowship for 2024-2025 under the mentorship of Dr Sachin Tapasvi at Pune. Participated as faculty at various conferences organized by Department of Orthoapedics and Orthopaedic research society AIIMS such as ABC of Trauma 2024, Delhi trauma Conclave 2024, Cadaver course on High tibial osteotomy 2024, Cadaver course on meniscus repair 2025, AIIMS Pelvi-acetabular trauma update 2025.

Dr Atin Kumar Organized Delivered Dr. Anoop Memorial Oration at the Indian Society of Neuroradiology Mid-term CME held at Kochi on 19 October 2024. Elected as Secretary General of Society for Emergency Radiology India for 2024-2026.

Dr Babita Gupta was Nominated as an Expert for drafting syllabus/curriculum for FNB 'Trauma Anaesthesia and Critical Care' by National Board of Examination. Nominated as an Expert in Ethics Committee, National Medical Commission. External examiner for thesis evaluation at Guru Gobind Singh Indraprastha University, Postgraduate Institute of Medical Education and Research and Baba Faridkot University. Elected as President of Association of Anaesthesiology & critical care for trauma. Nominated as Chief editor of 'Journal of Trauma Anaesthesia, Resuscitation and Critical Care'. Completed WHO Mass casualty preparedness and response course accredited by WHO Academy and selected as faculty. Workshop Director of ITLS in RAJISACON held in Jodhpur in September 2024. Won Second Prize in oral presentation on "Enhancing the success and safety of endotracheal intubation by development of an innovative intubation system: A Pilot Project" in ISA Patna held in November 2024. Workshop Director, and Organising Chairman for Cadaveric Ultrasound guided regional anaesthesia workshop (AURA) held in September 2024. Organising Chairman for Cadaveriic Board studies with AORA held in January 2025.

Dr Biplab Mishra was Chairperson for General Surgery session, Annual day and Surgery CME. Member, Cadaver research. Member, Procurement committee. Member, technical specification committee. Reviewer, Journal of Cardiothoracic Surgery. Reviewer, International Journal of Emergency Medicine. Reviewer, The Egyptian Journal of Bronchology.

Dr Deepak Agrawal Recipient of BIG grant from DST for Rs 50 Lakhs in 2023-2025. Editor-in Chief of Indian Journal of neurotrauma (IJNT). Elected as Secretary, Indian Society of peripheral Nerve Surgery. Elected as Editor-in Chief of JPNS (Journal of Pediatric Neurosciences)

Dr Deepak Kumar Gupta Got Elected as President of Indian society for Pediatric Neurosurgery (2025- 2027) w.e.f. February 2025. As Co President of Donarte Association, Conducted 3rd International Conference on Donation, Art and Exhibition, Messina, Sicily (September 2024). President of Association for Multidisciplinary Trauma and Superspeciality Care (2025-2030). Recommended by Neurological Society of India to NOTTO as in expert in Framing of National Guidelines on Brain Stem Death Certification as per provisions of Transplantation of Human Organs and Tissues Act (THOTA), 1994. Received on behalf of JPNTC on 14th Indian Organ Donation Day (IODD) the Award for Best Brain Stem Death Certifying Team for North Region – 3 August 2024. Received appreciation from President of India, Hon'ble Smt Draupadi Murmu for Home Care Manual for TBI caregivers on behalf of NSI society : April 2024. SBSC Safe Balcony Safe Child Initiative for India Launched. Chairman of Brain Injury Initiative of Neurological Society of India (April 2024-December 2024)- Conducted various activities for prevention of head injury awareness. University of Messina, Sicily, Italy (July 2024). KK Woman Children hospital, Singapore (August 2024).

Dr Dinesh Bagaria was ICMR international visiting Fellowship at Gold Coast university hospital, Gold Coast, Australia from 21 May-30 June 2024. Participated in Prevention of Alcohol Related Trauma in Youth (PARTY) program at God Coast University Hospital, Gold Coast on 24 May 2024. Participated as an international Observer in Definitive Surgical Trauma Care (DSTC) course at Royal Brisbane Hospital, Brisbane, Australia from 3-5 June 2024. Observership on Trauma care at Westmed Hospital, Sydney from 11-23 June 2024. Observership on VATS for lung and pleural pathologies, surgical planning and techniques at Royal Melbourne Hospital from 24-30 June 2024. Chapter edition in Jeeva Raksha Trust's Comprehensive Emergency Care and Life Support (C-ECLS) Provider Manual.

Dr Garima Kachhawa was Expert for formulating the referral policy among hospitals for Delhi NCR under Directorate General Health services, Ministry of Health & Family welfare. On panel of experts for Integrated Emergency Care among hospitals by DG ICMR. On panel of experts for Project Review/screening committee for extramural grants of ICMR. Member of technical advisor committee, ICMR. Central Public Information officer, RTI, for department of Obstetrics & Gynaecology, AIIMS. Member of Wet Lab Committee and Robotic Training in the SET Facility, AIIMS. Member of Selection Committee for Recruitment of staff Nurse/ Counsellors, Dietician / Statistician/ Study Coordinator, clinical Psychologist, Physiotherapist/ Pharmacologist in various research Projects. Chairperson of Medical Board at AIIMS for Medical Examination. Member of Essential Drug list committee, AIIMS. On panel of Expert for the Standing Medical board for Medical termination of

pregnancy beyond 24 weeks of gestations at AIIMS. Member of committee to evaluate Undergraduate Research Mentorship scheme projects. Member of Departmental Adverse Event Reporting Committee. Member of Condemnation Committee of Department. Executive member of DGES (Delhi Gynaecological Endoscopists Society). Internal Examiner for MD (Obstetrics & Gynaecology), AIIMS, ND. Reporting Officer of the staff member ACR from department of obstetrics & gynaecology. Member of store Purchase committee (SPC) for taking decision for the procurement.

Dr Gyaninder Pal Singh was Education Committee Chairman of the "Indian Society of Neuroanaesthesiology and Critical Care" (ISNACC). Thesis evaluation: MD and DM Thesis – PGIMER, Chandigarh. DM and PhD Thesis – JIPMER, Pondicherry. MD Thesis- Guru Govind Singh Indraprastha University, Dwarka, Delhi. MD Thesis – PGIMS, Rohtak.

Dr Kamran Farooque Invited as Panelist for panel discussion on 'Infected Broken Implant- Difficult to Extract Strategies' on 13 April 2024 at 'Delhi Spine Society Conference- DSSCON 2024' at Aerocity, New Delhi. Presented the Keynote Faculty Lecture on 'Tips and tricks for reduction and fixation in intertrochanteric femur fractures' on 11 August 2024 in Delhi Orthopedic Association MIDCON at Hyatt Regency, New Delhi. Invited as Panelist for panel discussion on "Ultrasonic scalpel vs conventional methods for laminectomy/osteotomy in spine surgery- which provides the optimum advantage" on 27 October 2024 at 'International Spine and Spinal Injuries Conference- ISSICON 2024' at Le Meridien, New Delhi. Invited as Panelist for panel discussion on 'Thoracolumbar Trauma' on 23 November 2024 at 'ISIC Spine Course 2024' at Indian Spinal Injuries Centre, New Delhi. Faculty for panel discussion on 'Spine Trauma' on 18 January 2025 at 'Association of Spine Surgeons of India- ASSICON 2025' at Bengaluru, Karnataka. Invited as Panelist for panel discussion on 'Trauma Overview' on 09 February 2025 at 'Road Ahead 2025' at Gwalior, M.P. Nominated as Internal Examiner for Spine Fellowship exam on 9 May 2024 at AIIMS, New Delhi. Invited as Subject Matter Expert for Selection Committee meeting for promotion of faculty under APS on 28 September 2024 at AIIMS, Rishikesh. Invited as Subject Matter Expert for the Selection of Faculty in the Specialty of Trauma and Emergency Medicine on 27 November 2024 at AIIMS, Vijaypur, Jammu. Invited as External Examiner for PG (MD/MS) Orthopaedics Practical examination on 30 November 2024 at AIIMS, Rishikesh. Invited as Internal Examiner for fellowship in Spine Surgery examination on 18th December 2024 at AIIMS, New Delhi. Invited as External Examiner for MS Orthopaedics examination on 29-30 January 2025 at GMC (Gandhi Medical College), Bhopal. Invited as Subject Matter Expert for Standing Selection Committee for Selection of Faculty in Orthopaedics on 07 March 2025 at AIIMS, Deoghar, Jharkhand. Invited as Chairperson for 'Delhi Orthobiologics Course' on 5 May 2024 organized by Delhi Orthopaedics Association at JPNATC, AIIMS, New Delhi. Invited as Chairperson for session on 'Hip Spine Relationship: Decoded' on 3 August 2024 organized by Orthopaedic Research Society at The Lalit Hotel, New Delhi. Organising Chairman for 'ABC of Trauma' AIIMS Basic Course of Trauma on 9-10 August 2024 organized by Orthopaedic Research Society & Society of Pelvi- Acetabular Surgeons at JPNATC, AIIMS, New Delhi. Chairperson for 'WHO Academy- Mass Casualty Management Training of Trainers Course' on 4-5 October 2024 organized by World Health Organization at J.P.N. Apex Trauma Centre, AIIMS, New Delhi. Invited as distinguished Speaker in Session on Technology Interventions for Road Safety on 24 March 2025 at The Royal Ballroom, The Imperial, New Delhi Organized by Amcham India.

Dr Kapil Dev Soni Organized multiple educational and capacity-building workshops in Critical Care for in-house doctors and nurses, including workshops on Mechanical Ventilation, Nurse education, Research Fundamentals, and Analytical Skills. Received President Citation award at Criticare 2025 at Kochi-Acknowledged and honoured by President of ISCCM for invaluable support to the ISCCM. Appointed as a member of an expert group under national board of examination to draft the course curriculum for Critical Care Medicine speciality. Appointed as external examiner for inspection of Critical Care Medicine departments for eligibility of DNB critical care medicine under NBE. Appointed as GRADE expert in drafting guidelines for Indian Society of Critical Care Medicine. Appointed as expert member in Task force on Surgical Critical Care for drafting guidelines for National Academy Of Medical Sciences (NAMS-India), MOHFW, DGHS India. Serving as adjunct faculty and member of Clinical Epidemiology Unit at AIIMS and contributing in its teaching programmes. Appointed as a member of the Editorial Board for Critical Care Communication 2024 under the Indian Society of Critical Care Medicine. Continuously serving as faculty for the Fellowship of Critical Care Ultrasound in the Indian Society of Critical Care Medicine (ISCCM). Served as an external expert for thesis assessments at AIIMS Jodhpur. Member of the Review Board for journals such as Chest, Medicine® Indian Journal of Critical Care Medicine, PLOS One, Injury, BMJ open, Indian Journal of Anesthesia, Indian Journal of Medical Research, Journal of Global Infectious Disease, Journal of Emergency, Trauma.

Dr Keshav Goyal Awarded Honorary fellowship of Global association of physician of Indian Origin (GAPIO) for academic excellence in April 2024. Awarded Presidential appreciation award for educational activities at national conference of 4th Neurocritical Care Society of India (NCSI). Best oral paper award at Asia Pacific Neurocritical care conference in 2024 held at Sarawak, Malaysia. Best Poster CREST Neurology Conclave at New Delhi January 2025-2026. Thesis evaluator for DM candidates (PGIMER, NIMHANS) and MD Candidates (Army hospital Research and Referral, Safdarjung Hospital, PGIMER, University of Delhi South Campus, Delhi). Appointed as External Examiner of Madhya Pradesh medical Science University, Jabalpur (MP) for MD anesthesiology. Appointed as External Examiner of Deendayal Memorial Health Sciences and Aayush university, Raipur (CG) for MD anesthesiology January 2025. Appointed as faculty selection board member as an expert for Shyam Shah medical college, Rewa (MP). Course director cum National Coordinator of Acute Neuro Care

(ANC). Part of organizing committee and conducted physical ANC at various cities across India (Haryana (Gurugram), Kerala (Kottayam), Maharashtra (Wardha, Latur) for capacity building. Reviewer of clinical neurology and Neurosurgery and International Journal of Respiratory and Pulmonary Medicine. Elected treasurer of Neurocritical care Society of India (NCSI). Best oral paper award at Asia Pacific Neurocritical care conference in 2024 held at Sarawak, Malaysia. Best Poster CREST Neurology Conclave at New Delhi 2025-2026. Awarded Visiting Preceptorship in Neurological intensive care and Neuroanaesthesiology at Cleveland Clinic, Ohio, USA March 2018. Awarded Honorary fellowship of Global association of physician of Indian Origin (GAPIO) for academic excellence. Independent Expert: Brain death certification at AIIMS ORBO/CNC/2016/4878/. BLS and ACLS Instructor: Renewed. ATLS Instructor: 10th Edition updated. ENLS Instructor: Recertified. ANC Instructor and Course Director. BECC Instructor and Course Director. Member of Trainee Engagement Committee of SNACC, USA. Reviewer for IJA, IJCCM, JNACC, JOACP, BJA case reports, Neurosurgery Review.

Dr Mohammad Kausar was Member of the Expert Advisory Committee for the project "Capacity Building of Doctors and Hospital Engineers in Structural and Non-Structural Mitigation Measures for Hospital Safety and Disaster Resilience"- funded by the Disaster Management Cell, Ministry of Health and Family Welfare, Government of India. Officer in charge for Drug, chemicals and crystalloid stores at Main Hospital. RC finalized for 1564 drugs leading to better availability and lower local purchase. Ongoing tendering for more than 1000 drugs. Improved process of tendering reducing the turnaround time from 18 months to average of eight months. Modification in tender terms in conditions to remove restrictive clauses. EDL sub-committee member. LP e-module development and trainings- Stores related requirements, MIS reports, development of SOPs. Ministry interface for EDL, specifications and various other matters. Officer In charge of Linen Store at Main Hospital. Member of TSEC at JPNATC. Member Secretary of Committee for Kaya Kalp including utilization of Swachhta Action Plan. Faculty In-Charge Housekeeping and Sanitation Services along with Pest Control at JPNATC-Kayakalp assessment preparation at JPNATC, document review centrally at Main AIIMS, Swachhta pakhwada, Proposed committee for inspection of stores of sanitation vendor and cleanliness audit ad hoc committee. Development of the tender as Member of the TSEC for - Outsourcing of Sanitation services at Dr. JPNA Trauma Centre. Introduction of roster for sanitation and housekeeping staff. Introduced supervisor feedback from user areas. Chief Nominated for Fire Safety Advisory Committee at AIIMS. Representing Medical Superintendent as Member of TSEC Departments of Urology and Transfusion Medicine and Blood Bank. Member of Machine & Equipment Condemnation Committee. Faculty In-Charge of Engineering Service Coordination Committee. Faculty In-Charge of Emergency department, JPNATC. Modification of Mass Casualty Management plan at Trauma Centre. e-Detailed Accident Report (e-DAR) in Integrated Road Accident Data Base. Aarogya Maitri Cubes. Nodal Officer for disaster and mock exercises for all disaster related activities involving Trauma Centre coordination with the ministry, disaster cell, and other authorities. Faculty In-Charge of Environmental Management & Horticulture Committee. Faculty In-Charge of Laundry. Development of tender for Laundry on turnkey basis at JPNATC. Faculty In-Charge of CSSD. Faculty In-Charge of Security & Fire Service. Faculty In-Charge of Trauma Quality Improvement Program (TQIP). Member- "Tender document for hiring of Procurement Support Agency (PSA) from Central Public Sector Undertaking (CPSU)/ State Public Sector Undertaking (SPSU)/ Autonomous body/Procurement Corporation for Medical Equipment at AIIMS." Special invitee- "TSEC for common purchase of Linen, Stationary and General items"- developed the specifications for general items and provided inputs on tender terms and conditions. Review of "Disaster Management Plan" for resident manual. Member committee for recruitment of outsourced manpower at JPNATC. Regular administrative rounds. Member of TSEC for Purchase of General, Stationary, Linen and Computers & Peripherals Through GeM at JPNATC. Member of TSEC for various Furniture items for hospital store. Compliance to CBRI report. Coordination with ESD for converting old manifold into store. Reply to various RTIs. Addressing complaints and grievances. Member-HICC, JPNATC. Member of Committee for review the of Paging Services. Member, member secretary or chairperson for various inquiry committees. Member secretary for medical boards on as assigned basis.

Dr Narendra Choudhary Received certificate of completion of training on assessment of Locomotor disability, organized by Ministry of social justice & empowerment in collaboration with MoHFW on revised guidelines for purpose of assessing the extent of specified disability. Invited as External examiner for conduct of MBBS practical examination at Lady Harding Medical college, New delhi under University of Delhi. Invited as External examiner for conduct of MCh (Trauma surgey) practical examination at AIIMS, Rishikesh. Participated as instructor faculty at BLS & ACLS provider course of AHA from 23-25 July 2024, organized by ITC, AIIMS New Delhi. Participated as instructor faculty at ATLS provider course, endorsed by the American college of Surgeons. Received membership of The Eastern Association for the Surgery of Trauma (EAST).

Dr Navdeep Sokhal was Our paper received V K Grover Best Paper Award in ISNACC 2025 at Trivandrum, Kerala for "Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study". Our paper received First Prize in Basudev Kaushalya award (Neuroanaesthesiology Research) in RSACPCON 2025 at Bhatinda, Punjab for "A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage". Chaired session on "Chronic Pain" and another session on "RFA Precision and Pain" in ISPCCON-2024 held from 13-15 September 2024 in AIIMS Rishikesh. Workshop faculty in cadaveric workshop for chronic pain on 15 September 2024 in AIIMS Rishikesh.

Dr Niraj Kumar Instructor (Faculty) of ANC, ORBO courses. As a faculty of the ORBO team, I facilitate knowledge and awareness amongst the hospital staff and am also actively involved in procedures related to organ transplantation. Besides teaching our PG & DM residents, I am also actively involved in teaching paramedical staff and OT technicians to upgrade their knowledge and skills. Constantly involved in making low-cost innovative solutions for OT and ICU-related procedures (Developed a device and applied for the patent process). I am actively involved in conducting projects. (Both funded and non-funded). Recently, I have received extramural funding from DST. My student received 1st prize for oral presentation of the DM thesis (I was the guide) in ISNACC 2025, Trivandrum. I was invited as a Judge at the Oral-Paper/ Poster Session at the Criticare 2025 Conference. I have evaluated the thesis. (MD – PGI Chandigarh)

Dr Nishank Mehta Received DOA Travelling Fellowship for the year 2023-2024 at DOACON 2024 (Annual Conference of the Delhi Orthopaedic Association). Recognized in '20 under 40' Class of 2024 by the North American Spine Society and featured in the SpineLine magazine for the same. Received ISDS International Travel Award to attend the International Spine Deformity Symposium held at New York City on 6-07 December 2024. Completed AO Spine International Fellowship at Comprehensive Spine Centre, Acibadem Maslak University Hospital, Istanbul, Turkey. Completed EUROSPINE (Spine Society of Europe) Short-term Observership at Schon Klinik, Munich, Germany

Dr Nishtha Chawla Invited as judge for free-posters in National Conference on Psychotherapeutic Assessments and Interventions in Psycho-oncology held at AIIMS, New Delhi (4 January 2025). Invited chairperson and judge for free paper and poster session at National Mid-term CME of IASP held in MGIMS, Sevagram, Maharashtra (29 March 2025). Received Dr VD Meel Poster award at 48th Annual Conference of Indian Psychiatry Society North Zone (ACIPSNZ). The paper has also been published in the North Zone Journal. Received Dr Buckshey award (as co-author) at 48th Annual Conference of Indian Psychiatry Society North Zone (ACIPSNZ). The paper was also nominated from north zone as the best zonal paper to compete for The Bombay Psychiatric Society Silver Jubilee Year Award at 75th Annual National Conference of Indian Psychiatric Society (ANCIPS). The award certificate and award money were presented in the conference in January 2025 in the 76th ANCIPS. Received the Indian Psychiatric Society Young Psychiatrists award and Poona Psychiatrists Association (PPA) – II award at 76th Annual National Conference of Indian Psychiatric Society in January 2025, for the presentation made last year. Received the international travel grant from Department of Science and Technology (DST), Govt of India for Fast Track Cities Conference, held at Paris in October 2024. Award for "best PowerPoint animation" prize in Workshop on Animation in PowerPoint (15 April 2024) held at SET Facility at AIIMS, New Delhi. Announced as winner of for VK Varma award (co-author of the winning paper) at National Conference of Indian Association for Social Psychiatry held in Mysore in November 2024. The award certificate will be presented next year. Nominated as one of the faculty in-charges of Physiotherapy unit at JPN Apex Trauma Centre, AIIMS, New Delhi

Dr Purva Mathur Excellence in IPC & AMC Policy Leadership (IFCAI) G-SPARC Awards-2024: Dr. Purva Mathur, Professor, AIIMS, New Delhi, on 3-5 October 2024, Shilpakala Vedika, Hyderabad, India. First Prize- Best Oral Poster Presentation: Dr. M Nizam Ahmed, Aparna Ningombam, Madhavi Kirti, Vanlal Tluanpuii, Bharat Chandra Das, Purva Mathur. Lab Quality Improvement Through Proactive Risk Assessment at Level -1 Trauma Centre. Indian Association of Medical Microbiologists Delhi Chapter (IAMM) 2024. MAMC, New Delhi on 10 August 2024. Second Prize- Best Poster: Dr. Vandana Kumari Singh, Arpan Kumar Thakur, Rasna Parveen, Ashish Kumar Singh, Projoyita Samanta, Mamta Puraswani, Divya Sharma, Aparna Ningombam, Purva Mathur. Post C-section surgical site infection: insights from the healthcare associated infection surveillance network, India 2024. HISI, Delhi Chapter, AIIMS New Delhi on 14 December 2024. Member of Project Review Committee (Basic Science) to review the Early Career intramural research projects for the year 2024-2025.

Dr Richa Aggarwal Invited as judge for the award paper session in Recent advances in critical care conference conducted by Department of Anaesthesiology, Pain medicine and critical care. Joined editorial board of Journal of trauma anaesthesia, resuscitation and critical care.

Dr Samarth Mittal Published Book "Handbook of Fractures: The Current Concepts" with Jaypee Publisher as editor 1st Edition 2025 by Samarth Mittal. Selected as assessor for NBEMS Assessment held on 01 May 2024 at Warangal, Telangana, India. Attended and completed AO Trauma Fellowship held on 27 May 2024-05 July 2024 at Houston Texas, USA. Team member for Developing the Standard Treatment Workflows (STWs) held on 23 July 2024 at New Delhi, India. Organised "1st Knee & Hip Revision arthroplasty" Conference held on 13-15 December 2024 at New Delhi, India as co-organising secretary. Elected as Joint Secretary in Delhi Orthopaedic Association (DOA) from 2023-2024. Elected as Treasurer in South Delhi Orthopaedic Society (SDOS) from 2024-2027. Served as External Examiner for the M.S. (Orthopaedics) 2025 Examination held on 21 January 2025 at Agra, UP, India. Served as a Joint Secretary in the conference "DOA 1st Quarterly meet 2025" held on 16 February 2025 at New Delhi. Nominated as Vice President in National Knee and Hip Joint Replacement Foundation (NKHJRF). Continued as editorial board member of Journal of Orthopaedics which is a peer – reviewed, pubmed indexed journal and one of the 3 pubmed indexed orthopaedic journals from India. Continued as Section Editor for IJO (Indian Journal of Orthopaedics) which is the official journal of Indian Orthopaedic association and is a Pubmed Indexed journal. Continued as Treasurer of APOA (Asia Pacific Orthopaedic Association)

YSF India Chapter. Continued as Associate Editor of JCOT (Journal of Clinical Orthopaedics and Trauma) which is the official journal of Delhi Orthopaedic society and is a Pubmed Indexed journal. Developed app for patient education for hip fractures. Upgraded the already developed app on teaching and training of postgraduates. Elected as joint secretary of NZOACON (North Zone orthopaedic Association). Became member of Membership committee: Making editorial group diverse of the prestigious JCOT peer reviewed, Pubmed indexed journal. Continued as Delhi State representative of IOA (Indian Orthopaedic Association).

Dr Sanjeev Bhoi Core committee member of Acute Care Network (Global) and GACI (Global) network, WHO HQ, Geneva. Core Committee member for the monitoring and guiding the Centre of Excellence- emergency trauma and burns. Committee member for streamlining emergency care services at Delhi Government hospitals. Designated Centre of. Excellence for NELS and Mass Causality management.

Dr Sharmishtha Pathak Received reviewer status for BMJ case reports and Journal of Neuroanaesthesiology and Critical Care.

Dr Siva Srivastava Garika Invited as Table Faculty in AO Trauma Course- Advanced Principles of Fracture Management, 7-9 June 2024, New Delhi. Faculty in Current Concepts in Arthroplasty, 2-4 August 2024 organised by the Department of Orthopaedics, AIIMS, New Delhi. Faculty at AIIMS Basic Course (ABC) Of Trauma 9-10 August 2024, JPNATC, New Delhi. Invited as a specialist Orthopaedic advisor to the National Disaster Response Force (NDRF) INSARAG accreditation exercise, Government of India: 4-5 December 2024. Faculty at Cadaver Course On Arthroscopic Meniscus Repair, 11 January 2025, JPNATC, AIIMS, New Delhi. Invited as a specialist Orthopaedic advisor to the National Disaster Response Force (NDRF) INSARAG accreditation exercise, Government of India: 29 October 2023-2 November 2023. National Faculty at AO Trauma Course- Basic Principles of Fracture Management, 7-9 March 2025, Jodhpur, India. Organizing committee member of the 6th AIIMS-ACSST Cadaveric Pelvic Acetabulum Course, 8 March 2024 organised by the Department of Orthopaedics, JPNATC, New Delhi.

Dr Soumta Bagchi was Associate editor Seminars in Dialysis. Subject editor (glomerular diseases) Nephrology Carlton. Editorial Board, BMC Nephrology. Member, Scientific Program Working Group, World Congress of Nephrology 2025. Member of the consensus working group- The Transplantation Society for guidelines for managing CMV infections in solid organ transplant recipients.

Dr Subodh Kumar Appointed as the Executive Director of National Board of Examination in Medical Sciences an autonomous organization under Ministry of Health & Family Welfare, GOI. “Best International Paper” award during the 83rd Annual Meeting of the American Association for the Surgery of Trauma (AAST), 11-14 September 2024 at Las Vegas, USA. Panelist on “Evolving concepts in trauma care and multidisciplinary approach to polytrauma” during EMERGE-Mastering the Art of Trauma Care held on 19 May 2024 at Kochi. Panelist for the 28th TUGSS India Symposium held on 12 July 2024 via online mode. Subject Expert for Faculty selection by Standing Selection Committee (SSC) held on 25 July 2024 at AIIMS, Gorakhpur. Member of Trauma Quality Improvement Program (TQIP) at JPNATC, AIIMS, New Delhi. Associate Editor of Indian Journal of Surgery, a peer reviewed official Journal of Association of Surgeons of India. Examiners for Thesis of MS (Surgery) for PGIMER, Chandigarh, for King George’s Medical University, Lucknow, for Baba Farid University of Health Sciences Punjab. Examiner for Thesis of MCh (Trauma Surgery & Critical Care) for All India Institute of Medical Sciences, Rishikesh and for MCh Thesis of (Endocrine Surgery) King George’s Medical University, Lucknow. Visiting Professor in Department of Trauma Surgery, AIIMS, Rishikesh

Dr Surya Sri Krishna Gour Presented in Clinical Grand Round on ‘High cervical spine injury- A lost cause or a glimmer of hope’ on 9 April 2024 in our Institute. Visited Division of Plastic, Hand & Reconstructive Microsurgery and Burns, Ganga Hospital, Coimbatore, Tamil Nadu from 21 October 2024-2 November 2024 as part of Indian Society of Peripheral Nerve Surgery (ISPNS) fellowship. Organising Secretary of Cadaveric workshop on ‘Brachial plexus surgery and beyond’ held in JPNATC on 4-5 December 2024. Co-author for Best Clinical Research Paper Award in ASNACC 2025 held in Bangkok, Thailand on 01-02 March 2025 for presentation on ‘To evaluate the correlation between non-invasive(NIRS and ONSD) and invasive ICP measurements in adults with TBI- A prospective observational study’. Invited faculty- Table demonstrator for Cadaveric workshop on ‘MIS techniques for spine’ organised by Department of Orthopedics, JPNATC on 15 December 2024.

Dr Sushma Sagar Invited as Chairperson in the 10th World Congress of Women’s Mental Health (IAWMH 2025) held from 06 March 2025 at NIMHANS, Bengaluru. Awarded FAMS (Fellowship of National Academy of Medical Sciences) on 23 November 2024 at NAMSCON Convocation, AIIMS, Jodhpur. Member of the ICMR Project review Committee. Member of AIIMS Intramural Research Grant Committee. Invited as panellist for the SURGICON 2024 Annual Conference of Delhi State Chapter ASI on 16 November 2024, by the Department of Surgery, VMMC & Safdarjung Hospital, New Delhi. Invited as Chairperson in Gastrointestinal & Hepatobiliary Radiology (as a part of the 5th AIIMS-MAMC-PGI IMAGING SERIES) held on 11 August 2024 at AIIMS, New Delhi. Invited as a Panellist in YATHARTHCON: Trauma under the aegis of Indian Medical Association held on 12 May 2024 at Greater Noida. Appointed as Principal Secretary’s

nominee for hospital-based authorization committee of Transplantation of organs and tissues, Govt. of NCT of Delhi 2024-2025. Nodal Officer, AB-PMJAY, JPNATC, AIIMS, New Delhi. Chairperson of Grievance Redressal Committee at JPNATC, New Delhi. Chairperson of Linen Condemnation Committee at JPNATC, AIIMS, New Delhi. Faculty Incharge of TC-6 Ward at JPNATC, AIIMS, New Delhi. Member of Review Committee for Code Blue at JPNATC, AIIMS, New Delhi. Faculty Incharge of Follow-Up OPD at JPNATC, AIIMS, New Delhi. Co-Chairperson of Store Purchase Committee (SPC) & Technical Specification Committee (TSC) at JPNATC, AIIMS, New Delhi. Member of Hospital Blood Transfusion Committee at JPNATC, AIIMS, New Delhi. Member of Hospital Infection Control Committee at JPNATC, AIIMS, New Delhi. Member of Trauma Quality Improvement Program (TQIP) at JPNATC, AIIMS, New Delhi. Nominated as member of Ethics and Medical Registration Board (EMRB) to formulate guidelines for RMP's by National Medical Commission (NMC). Member for WOMEN Safety and Security Committee at AIIMS, New Delhi. Visiting Faculty AIIMS Rishikesh. Invited as a member of Project Mentoring Committee (PMC) upcoming site visit to ICMR-DHR-CoE on 11 February 2025 at IIT Bombay. Invited as Subject Expert for workshop of syllabus review/framing for Competitive Examination by Rajasthan Public Service Commission, Ajmer on 6 February 2025. Organized first hands on Cadaveric workshop on lower limb amputation on 29 March 2025 in collaboration with AIIMS Cadaveric Surgical Skills Training (ACSST) lab.

Dr Suvashis Dash was Expert Contributor – Participated in the Dissemination Workshop for the National Strategy for Prevention of Unintentional Injury as an expert, contributing to national-level policy and strategy discussions. Instructor Faculty, NELS – Served as instructor faculty for the National Emergency Life Support (NELS) program conducted in Leh and Meerut, supporting skill development in emergency care. Faculty Trainer, First Aid Training Program – Delivered first aid training to airport personnel and the firefighting rescue team at Indira Gandhi International Airport, New Delhi, on 29 January 2024. Vice Chair, Burn Care Committee – ISBI – Appointed as Vice Chair of the Burn Care Committee of the International Society for Burn Injuries (ISBI), actively contributing to global burn care standards and initiatives. Expert Faculty, Capacity Building Initiative at Maha Kumbh Mela – Served as an expert for capacity building of healthcare professionals and volunteers at the Maha Kumbh Mela venue, Uttar Pradesh, from 3-7 January 2025, focusing on mass-casualty preparedness and public health response. Guest Faculty, University College London – Invited as guest faculty to share expertise in burn and reconstructive surgery with academic and clinical audiences at University College London (UCL). Invited Faculty, Royal Free Hospital, London – Engaged as an invited faculty member in the Department of Plastic Surgery at the Royal Free Hospital, contributing to academic exchange and surgical education. Swati Tyagi Awarded Certificate of Merit for the presentation on "Virtual Autopsy in Diagnosis of Sudden Unexplained Death in the Young" at the Workshop on Virtual Autopsy, organized in collaboration with ICRC and ICMR Headquarters, on 24 April 2024 at AIIMS, New Delhi. Awarded Certificate of Honour in recognition of outstanding contribution as a National Editorial Board Member of the Journal of Forensic Chemistry and Toxicology. Involved in the training of forensic pathologists from Bhutan as part of a skill development programme at AIIMS, New Delhi. Conducted skill development training sessions for forensic nurses and mortuary technicians from Bhutan at AIIMS, New Delhi. Contributed as a faculty member in the development of Standard Operating Procedures (SOPs) for Forensic Histopathology in the Department of Forensic Medicine & Toxicology, AIIMS, New Delhi. Served as a Member of the Institutional Committee at AIIMS, New Delhi, constituted to deliberate on and address matters related to Protection of Children from Sexual Offences (POCSO) cases. 7. Nominated as Faculty for Provision of Medical Care during the G-20 Summit at AIIMS, New Delhi. 8. Nominated as Faculty Coordinator for the Training and Awareness Program on Prevention of Sexual Harassment of Women at Workplace for the year 2024-2025.

Dr Swati Tyagi Awarded Certificate of Merit for the presentation on "Virtual Autopsy in Diagnosis of Sudden Unexplained Death in the Young" at the Workshop on Virtual Autopsy, organized in collaboration with ICRC and ICMR Headquarters, on 24 April 2024 at AIIMS, New Delhi.

Dr Tej Prakash Sinha As an expert for CBRNE preparedness during G-20 and Mahakumbh-2025 at Prayagraj medical college. I have been appointed as subject expert for faculty selection interviews for AIIMS, Kalyani, GIMS Noida and TRIHMS, Arunachal Pradesh. Presently I am also contributing as co-director of WHO-collaborating center for Emergency and Trauma care in South East Asian region and have been working collaboratively with various states of India (MP, UP, Bihar, ArunachalPradesh, Orrisa) for building systems of integrated emergency and injury care. As part of international networking. Serving as Educational Sub-committee Co-Chair of global emergency medicine research network "Emergency Medicine Education & Research by Global Experts (EMERGE)" with a vision to transform lives globally through emergency care research. I am doing high quality research work and has ongoing projects funded by ICMR, New Delhi, India-Norway collaboration and other projects in collaboration with WHO.

Dr Vijay Sharma was External Expert for the Standing Selection Committee for promotion of Faculty APS on 28 September 2024 (Virtual Mode), AIIMS Rishikesh. Paper-setter for MD/MS, Pt. B. D. Sharma, University of Health Sciences, Rohtak, dated 26 December 2024. External Examiner for MD Sports Medicine Annual Practical Examination, Dated 22 Janauary 2025 at PGIMS, Rohtak. Organised 31 cadaveric courses as a faculty incharge at AIIMS cadaveric Surgical Skills Training (ACSST), JPNATC, AIIMS, New Delhi in different specialities:-Orthopaedics (N=11; Participants= 224), Surgery (N=5; Participants= 80), Neurosurgery (N=5; Participants= 113), ENT (N=4; Participants= 39), Anaesthesia (N=2; Participants=

55), Emergency Medicine (N=1; Participants= 16), CTVS (N=1; Participants= 20), Dental (N=1; Participants= 10) Burns, Plastic and Reconstructive Surgery (N=1; Participants= 35)

Dr Vineeth Chandran KP Royal College of Emergency Medicine (RCEM) examiner since February 2025.

Dr Vicke Trika Selected as Deputy Editor of European Journal of Orthopaedic Surgery and Trauma (Pubmed Indexed Journal). Member Editorial Board of Indian Journal of Orthopaedics (Pubmed Indexed journal). Associate Editor of Journal of Clinical Orthopaedics & Trauma (Pubmed Indexed journal). Trauma Committee Member of SICOT World Association of Orthopaedic Surgeons from 2024 onwards. President Elect of Association of Pelvi-acetabular Surgeons (AOPAS). External Examiner for MS Exam in AIIMS Jodhpur December 2024.

Dr Yudhyavir Singh was Instructor for the FCCS Obstetric Course (SCCM, USA) in India. Instructor for the FCCS Surgical Course (SCCM, USA) in India. Instructor for the FCCS Basic Course (SCCM, USA) in India. Co-organized 9th AIIMS Ultrasound Guided Regional Anaesthesia. Co-founder for starting Journal on Trauma "Journal of Trauma Anaesthesia, Resuscitation and Critical Care" (JTARCC). Editorial Board member of "Journal of Trauma Anaesthesia, Resuscitation and Critical Care" (JTARCC). Taken Public lecture on CPR under "Preventive Measures for Road Safety" initiative by January Utthan Samiti.

VISITING SCIENTIST

Division of Trauma Surgery

1. **Mr. Josh Agarwal, 28 August 2024-06 September 2024, Trauma Surgery Observership, Bond University, Australia**
2. **Ms. Maren Keppel, 20 May 2024-12 July 2024, Trauma Surgery Observership, Germany**
3. **Mr. Philipp Baedeker, 20 May 2024-12 July 2024, Trauma Surgery Observership Germany**

10.6 National Drug Dependence Treatment Centre

Professor and Chief

Anju Dhawan

Additional Medical Superintendent

Prabhu Dayal

Professor (Psychiatry)

Anju Dhawan
Atul Ambekar
Ravindra Venkat Rao
Alok Agrawal
Sonali Jhanjee
Yatan Pal Singh Balhara
Prabhu Dayal
Biswadip Chatterjee

Professor (Biostatistics)

Ashwani Kumar Mishra

Professor (Clinical Psychology)

Rachna Bhargava
Gauri Shanker Kaloiya

Additional Professor (Clinical Chemistry)

Rizwana Quraishi

Additional Professor (Psychiatry)

Siddharth Sarkar
Piyali Mandal
Roshan Mohanpant Bhad

Associate Professor (Psychiatry)

Shalini Singh

Group A Officers

Accounts Officer

Rakesh Kumar Jha

Chief Medical Social Service Officer

Deepak Yadav

Clinical Psychologist

Lini Philip

HIGHLIGHTS

- **New Clinical Service**: Tobacco Cessation Clinic of NDDTC in collaboration with the Department of Pulmonology, initiated on 10th Sept, 2024 in AIIMS New Delhi.
- **Public health activities:** NDDTC coordinated the activities of 25 "Drug Treatment Clinics (DTCs)" under the Drug De Addiction Programme (DDAP) of the MOH&FW, GOI and 73 Addiction Treatment Facilities (ATFs) under the NAPDDR scheme of MoSJE, GoI, located in various government hospitals and medical colleges in the country.
- **Recognition**: NDDTC was re-designated as a WHO Collaborating Centre on Substance Use. It has provided technical inputs to the Ministry of Health & Family Welfare (MOHFW, GoI) and Social Justice & Empowerment (MoSJE, GoI) as a National Resource Centre.
- **Capacity building:** The center has conducted training for 1379 health and allied professionals working in various government schemes (ATF/ DTC/ NMHP) covering 20 states in India.
- **Faculty from NDDTC were represented at international forums** including the World Health Organization (47th Expert Committee on Drug Dependence, WHO clinical treatment guideline for tobacco cessation, WHO's Guidelines on Risk Reduction for Cognitive Decline and Dementia), the United Nations Office on Drugs and

Crime (UNODC), the Commission on Narcotic Drugs (68th session of Commission on Narcotic Drugs), the US-India Anti-Narcotic Working Group.

- The national contributions include developing Standard Treatment Guidelines for New Psychoactive Substances under MoHFW, GoI; membership of the Standing Expert Committee on Addictive Drugs constituted by the DDAP, MoHFW, GoI; and playing an Advisory role in the NDPS Task Force, Indian Psychiatric Society.

EDUCATION

- Under the "Establishing and Implementing Capacity Building Mechanisms for Addiction Treatment Facilities in India" since 2020, NDDTC has conducted a total of 25 training workshops where 292 medical professionals, 277 counsellors, 344 nurses and 191 other healthcare staffs were trained in the treatment of substance use disorders. Training of medical officers of the state of Uttar Pradesh and Uttarakhand was also conducted.
- Short training of 1-2 days for BSc and MSc nursing students from RAK college of nursing, New Delhi, Holy family college of nursing and College of Nursing, Army Hospital (R &R) on substance use disorder management were carried out
- Online Automated Training in substance use disorders is carried out on NDDTC Web portal: https://naat.co.in.

CMEs/Workshops/Symposia/National and International Conferences organized by the Department

- Workshop to review functioning of the Drug De-Addiction Programme (DDAP), Ministry of Health and Family Welfare, Government of India. Organized by NDDTC for the DDAP, MOH&FW on 15th April 2024 in NDDTC Ghaziabad.
- 3rd National CME of the Indian Association for Child and Adolescent Mental Health (IACAM), was organized by NDDTC and Department of Psychiatry on February 8-9, 2025 AIIMS New Delhi

Lectures delivered at CMEs, National and International Conferences

1. Dr Anju Dhawan, Review of DDAP Activities: NDDTC, Workshop to review functioning of the Drug De-Addiction Programme (DDAP), Ministry of Health and Family Welfare, Government of India, 15 April 2024, Delhi
2. National Survey on Extent and Pattern of Substance Use Disorder in India- 2019, National Consultation on Substance Use Disorders and Health Interventions, 5 September 2024, Guwahati
3. Panel Discussion on various health interventions for people with Substance Use Disorder, National Consultation on Substance Use Disorders and Health Interventions, 5 September 2024, Guwahati
4. Approaches and comprehensive implementation strategies for primary, secondary and tertiary level health interventions for substance use disorders (moderator), National Consultation on Substance Use Disorders and Health Interventions, 6 September 2024, Guwahati
5. Substance use in children and adolescents: Epidemiology and Risk factors, National CME on Addiction Psychiatry- Substance Use in Special Populations: Facing the Reality and the Challenges, 14 September 2024, Chandigarh
6. Adolescent Substance Use: Prevention, Early identification & Psychosocial Intervention, 3rd National CME of the Indian Association for Child and Adolescent Mental Health (IACAM), 9 February 2025, Delhi
7. Rethinking Drug Policy in India: Prioritizing rehabilitation and public health over punitive measures, 4th National Conference on Drug Law Enforcement-The Dark Web, Cryptocurrencies, and Money Laundering: A Trifecta of Drug Trafficking Challenges and the Need for Comprehensive Prevention and Rehabilitation, 22 November 2024, Bhopal
8. Drug Demand and Harm Reduction Programmes in India, 68th Session of the Commission on Narcotic Drugs, 11 March 2015, Vienna
9. Digital Initiatives in Demand and Harm Reduction, 68th Session of the Commission on Narcotic Drugs, 12 March 2015, Vienna
10. Developmentally Tailored Interventions in Addictive Disorders: School Based Approaches, CME on Developmentally Informed Approach to Addictive Disorders (DIAAD), 22 March 2025, Bengaluru
11. Dr Sonali Jhanjee, Tobacco cessation and stress management, Panel discussion and public lecture on hypertension to be held on at, 24 May 2024, AIIMS, New Delhi
12. Treatment of nicotine dependence, World No Tobacco Day at ESIC, Rohini, 30 May 2024, ESIC, Rohini, Delhi

13. Keynote speaker on “Impact of Tobacco Use on Children and Adolescents”, Webinar on World No Tobacco Day 2024 (31 May 2024) by AIIMS Deoghar, 31 May 2024, Online
14. Panelist in “Strategies for protecting children from tobacco industry interference”, Webinar on World No Tobacco Day 2024 (31 May 2024) by AIIMS Deoghar, 31 May 2024, Online
15. Pharmacotherapy in Tobacco Cessation, 2nd National Level Training and Capacity Building of Dental Professionals in Tobacco Cessation, 25 September 2024, Maulana Azad Institute of Dental Sciences, New Delhi
16. Panelist in “Empowering Dental Professionals to Lead Cessation: Strategies, Challenges and Innovations., 2nd National Level Training and Capacity Building of Dental Professionals in Tobacco Cessation, 25 September 2024, Maulana Azad Institute of Dental Sciences, New Delhi
17. Behavioral tobacco cessation, Webinar on Establishment of Tobacco Cessation Centers at Medical Institutions organized by MOH& FW, 20 August 2024, Online
18. How ban on TAPS will reduce the burden of public health: Challenges and Opportunities in achieving comprehensive TAPS Ban, National Consultation on Supporting Governments in Adopting Stronger Tobacco Control Policies, 8 August 2024, Delhi
19. Address as Guest of honour, IIIrd International VIRTUAL Nursing Conference on Partnership and Collaborative work in Managing Addictive Behavioral Disorders and Substance Use Disorder, 7 November 2024, Online
20. Pharmacotherapy in Tobacco Cessation, 1st Virtual National level Training and Capacity Building of Dental Professionals in Tobacco Cessation, 12 December Online
21. Addressing Tobacco use: NDDTC perspective, National Conference on Psychotherapeutic Assessments and Interventions in Psycho-Oncology (NCPO 2025), 4 January 2025, AIIMS, Delhi
22. Use of technology in managing addictive disorders: Digital Interventions in Tobacco use, Annual Poona Psychiatrists Association (PPA) CME 2025., 23 February 2025, Pune
23. Keynote address as Guest of Honour, National Webinar on “Herbal and Nicotine-Based Tobacco Products: Understanding Health Risks and Regulatory Challenges in India”, organized by the (RCTC), PGIMER, Chandigarh in collaboration with Vital Strategies., 24 February 2025, Online
24. DR ATUl Ambedkar, Substance Use situation in India and policy & program responses, Review meeting for the Drug De-Addiction Program, Ministry of Health and Family Welfare, Govt. of India, 15 April 2024, New Delhi
25. Cannabis: Changing Perceptions and Policies, CME organized by Psychiatric Association of Nepal (PAN), 11 May 2024, Kathmandu, Nepal
26. Laws and Policies related to addiction psychiatry., 1st RAJMIDPSYCHON, 1 June 2024, Jaipur
27. Legal issues faced by practicing psychiatrists (panel discussion), 1st RAJMIDPSYCHON, 2 June 2024, Jaipur
28. Role of empathy and compassion in dealing with people affected by drug use., Online training of Police personnel organised by Central Academy of Police Training (CAPT), 26 June 2024, Bhopal
29. Disorders related to Substance Use, ICD-11 Diagnostic Requirements for Mental, Behavioural and Neurodevelopmental Disorders: An Online Comprehensive Course, organized by the Department of Psychiatry, AIIMS, New Delhi and Global Mental Health Academy, New Delhi (online), 14 July 2024, New Delhi
30. All you know about addiction is wrong., Panel discussion organized by National Institute of Punjab Studies., 26 July 2024, New Delhi
31. Substance Use Disorders: Beyond Symptomatic Recovery, Annual Conference of Indian Psychiatric Society – Central Zone, 30 August 2024 , Ayodhya
32. Consequences of drug use: Mortality and drug use disorders., Expert group meeting organized by United Nations Office on Drugs and Crime (UNODC), 23 September 2024, Vienna, Austria
33. India: Drug Use Situation and Surveillance Systems., Expert Meeting organized by European Union Drugs Agency (EUDA), 21 October 2024, Lisbon, Portugal
34. Research Reflections (Punjab Opioid Dependence Survey)., Webinar by International Society of Addiction Medicine (ISAM), 15 November 2024 , New Delhi
35. Motivation Enhancement Therapy., CME by Bombay Psychiatric Society, 17 November 2024, Mumbai

36. Recent Advances in treatment of Alcohol Dependence., Annual National Conference of Indian Association of private Psychiatry (ANCIAPP 2024)., 22 November 2024, Chatrapati Sambhaji Nagar (Aurangabad)

37. Examining Drug Use through a Feminist lens., Invited lecture at pre-conference CME. Annual Conference of Psychiatrist Association of Nepal (PANCON 2024), 27 November 2024, Nepalgunj, Nepal

38. Decriminalization of Drug Use: An Idea whose time has come., Keynote address, Annual Conference of Psychiatrist Association of Nepal (PANCON 2024), Nepalgunj, Nepal, 28 November 2024, 28 November 2024, Nepalgunj, Nepal

39. Substance Use: Performance and Productivity, Keynote address, Annual Conference of Association of Industrial Psychiatry of India, 20 December 2024, Bodhgaya

40. International scheduling system for narcotics and psychotropics. Does it need an overhaul? Webinar organized by the Addiction Medicine section, Indian Psychiatric Society, 15 January 2025, New Delhi

41. Substance Use Disorders: A public health concern., Guest lecture for faculty and students, ABVGMC, Vidisha, 29 January 2025, Vidisha

42. Legal and Ethical issues in Addiction Treatment., Annual conference of IAPP Haryana, 8 February 2025, Kasauli

43. Addiction treatment program of Punjab: Way Forward., Stakeholders' consultation organized by the Department of Health, Govt. of Punjab, 19 February 2025, Chandigarh

44. Long-term/Depot preparations for treatment of opioid dependence: Evidence and Ethics., Annual Conference of Indian Association for Biological Psychiatry, 23 February 2025, Gurugram

45. Better epidemiological data for evidence-informed drug use intervention programs: Case of National Drug Survey of India., UNODC-WHO Informal Scientific Network meeting (online), 24 February 2025, New Delhi

46. Decriminalization of Drug Use: An Idea whose time has come., Invited Lecture (online), Mental Health Institute, SCB, Cuttack, 28 February 2025, Cuttack

47. Yatan Pal Singh Balhara, Development of a tool for identification, diagnosis and early intervention for mental disorders among persons with addictive disorders, 8th World Congress and the 26th Congress of the Spanish Society of Dual Disorders (SEPD), 22 April 2024, Mallorca, Spain

48. Evolving field of co-occurring disorders, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

49. Key concepts for co-occurring disorder treatment, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

50. Effects of co-occurring disorder assessment and treatment on substance use disorder treatment Counselors, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

51. Anxiety disorders, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

52. Trauma and stressor-related disorder, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

53. Common co-occurring medical disorders— Hepatitis, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

54. Dual relationships, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

55. Transference and countertransference, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

56. Non-verbal communication, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

57. The helping relationship, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

58. Reflective listening, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

59. Intentionality in Counseling, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

60. The MI Approach & Ambivalence, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

61. The General Principles of MI, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

62. The Decisional Balance, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

63. Developing a change plan, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

64. Value of psychoeducation, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

65. Family psychoeducation, Training on Basic UTC 3 – Common Co-occurring Mental and Medical Disorders and UTC 4 – Basic Counselling Skills for Addiction Professionals at Kathmandu, Nepal, 22 April 2024, Kathmandu, Nepal

66. Classification of psychoactive Substances, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

67. What is addiction? Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

68. The Science of addiction, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

69. Review of drugs of abuse, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

70. Key Principles of Effective Treatment, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

71. Continuum of Care, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

72. Care Pathway Intervention: Outreach/SBIRT, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

73. Ways of looking at evidence-based practices, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

74. Screening, brief interventions and referral to treatment, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

75. Contingency management and Community Reinforcement, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

76. 12 Steps Facilitation Therapy, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

77. Pharmacotherapy for dependence, Training on UTC Course 5: Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals at Clark, Philippines, 3 June 2024, Clark, Philippines

78. Leveraging Digital Technologies for Strengthening Capacity on Prevention and Management of Substance Use and Substance Use Disorders, International Society of Substance Use Professionals (ISSUP) 2024 conference in from, 24 June 2024, Thessaloniki, Greece

79. Digital Wellness - An Overview, Online Training on "Digital Wellness" organized by CIET-NCERT, 4 July 2024, Online

80. Digital Wellness - An Overview, Online Training on "Digital Wellness" organized by CIET-NCERT, 8 July 2024, Online

81. Psychological Issues In context of Cyber Safety and Security & Discussion cum Practical, Online Training on Cyber Safety and Security for the Master Trainers of States/ UTs and Autonomous Organisations in online mode organized by CIET-NCERT, 25 July 2024, Online

82. Psychological Issues In context of Cyber Safety and Security & Discussion cum Practical, Online Training on Cyber Safety and Security for the Master Trainers of States/ UTs and Autonomous Organisations in online mode organized by CIET-NCERT, 30 July 2024, Online

83. Clinical assessment and therapeutic interventions for working memory deficits in addictive disorders and dual disorders as part of symposium titled "Neural insights into working memory: Bridging cognitive mechanisms and clinical insights", 70th Annual National Conference - Association of Physiologists and Pharmacologists of India, 12 December 2024, Chennai

84. Introduction to the Science of Addiction, Refresher Training the UTC Basic Series, 14 January 2025, Araneta, Quezon City, Philippines

85. Co-occurring Mental and Medical Disorders – An Overview for Addiction Professionals, Refresher Training the UTC Basic Series, 14 January 2025, Araneta, Quezon City, Philippines

86. Intake, Screening, Assessment, Treatment Planning and Documentation for Addiction Professionals, Refresher Training the UTC Basic Series, 14 January 2025, Araneta, Quezon City, Philippines

87. Crisis Intervention for Addiction Professionals, Refresher Training the UTC Basic Series, 14 January 2025, Araneta, Quezon City, Philippines

88. Screen Time: Impact and Management (English Version), Five-hour online training programme on "Mental and Physical Well-being in the Era of Cyberspace" from 3-7 February 2025 (English version), 4 February 2025, Online

89. Screen Time: Impact and Management (Hindi Version), Five-hour online training programme on "Mental and Physical Well-being in the Era of Cyberspace" from 10-14 February 2025 (Hindi version), 11 February 2025, Online

90. Panel discussion, Unlocking Investment Potential in the Online Skill Gaming and AVGC- XR Sectors: Driving Growth through Strategic Regulations – Viksit Bharat organized by FICCI, 25 February 2025, New Delhi

91. Health and Wellness in Cyber Safety (English Version), Five-hour online training programme titled "Emerging Concerns in Cyberspace", scheduled from 3-7 March 2025 (English version), 4 March 2025, Online

92. Health and Wellness in Cyber Safety (Hindi Version), Five-hour online training programme titled "Emerging Concerns in Cyberspace", scheduled from 10-14 March 2025 (Hindi version), 11 March 2025, Online

93. Dr Ravindra Rao, Is Opioid Agonist Treatment associated with negative impact on physical and mental health, International Society of Addiction Medicine Congress, 4 September 2024, Istanbul

94. Conducting survey on substance use in special population: Experience from India., International Society of Addiction Medicine Congress, 4 September 2024, Istanbul

95. The shifting landscape of substance use: Understanding new psychoactive substances., ADDICON 2024, 17 October 2024, Srinagar

96. Needles and narratives: The realities of Injecting Drug use., 2nd National CME on Addiction Psychiatry, 9 March 2025, Bhubaneshwar

97. Management of addiction in cancer patients, AIIMS-NAMS Joint CME on cancer pain: holistic management, 28 April 2024, New Delhi

98. Dr Ashwani Kumar Mishra, Sampling strategy and challenges in randomized controlled trials and hospital-based surveys., Guest speaker at Indian Statistical Institute, Kolkata in the workshop on Data Quality Matters! – An Introduction to Survey Research Methods in Demography and Public Health for the topic, 12 February 2025, Kolkata, India

99. Respondent-driven & Purposive sampling for sensitive data on public health, Guest speaker at Indian Statistical Institute, Kolkata in the workshop on Data Quality Matters! – An Introduction to Survey Research Methods in Demography and Public Health for the topic, 12 February 2025, Kolkata, India

100. Designing Innovative Trials in Child and Adolescents Mental Health, Guest Speaker in Hands-on Workshop Practical Aspects of Designing Innovative Trials in 3rd National Mid-Term CME Indian Association Child and Adolescents Mental Health, 08 February 2025, AIIMS, New Delhi

101. Changing and Evolving Role of Statistics in Artificial Intelligence, Resource Person for 18th Residential Faculty Induction Programme - organized by University Grant Commission, Madan Mohan Malviya Teachers Training Centre, Jawahar Lal University (JNU), 16 January 2025, JNU, New Delhi

102. Factorial Validation for Change in Readiness and Treatment (SOCRATES) Scale in Alcohol Dependence, 42nd Annual Conference of the Indian Society for Medical Statistics (ISMS), 21 October 2024, Banaras Hindu University, Varanasi, India

103. Methodological Challenges in Planning and Execution of Studies in Mental and Behavioral Health among School going adolescents, Symposium: Early detection and intervention strategies for mental health disorders in children and adolescents, International Conference and Child and Adolescents Mental Health 2024, 01 October 2024, Kathmandu, Nepal

104. Aspects of Quantitative Methodology, Guest speaker in Hands-on Workshop on Project Proposal Development and Application Process for Research Grants Aspects, 24 September 2024, Uttar Pradesh University of Medical Sciences (UPUMS), Saifai, Etawah (U.P) on

105. Granularities of Research Protocol, Guest speaker in Hands-on Workshop on Project Proposal Development and Application Process for Research Grants Aspects, 24 September 2024, Uttar Pradesh University of Medical Sciences (UPUMS), Saifai, Etawah (U.P) on

106. Preparing a Grant Application, Guest speaker in Hands-on Workshop on Project Proposal Development and Application Process for Research Grants Aspects, 23 September 2024, Uttar Pradesh University of Medical Sciences (UPUMS), Saifai, Etawah (U.P) on

107. Determination of Sample Size at Uttar Pradesh University of Medical Sciences (UPUMS), Saifai, Etawah (U.P) on 23 September 2024, Hands-on Workshop on Project Proposal Development and Application Process for Research Grants Aspects, Uttar Pradesh University of Medical Sciences (UPUMS), Saifai, , 23 September 2024, Etawah (U.P)

108. Dr Rachna Bhargava, Dealing with CCLs consuming Drug and Substance Abuse., Workshop on Drugs and Substances Abuses among Children for Superintendents of CCIs for Children in Conflict with Law, 4 July 2024, Delhi

109. Management of addiction, Training Program of Counsellors. Organized by Tibetan Voluntary Health Association (TVHA), 9 July 2024, Dharamshala

110. Comorbidities & their management, Training Program of Counsellors. Organized by Tibetan Voluntary Health Association (TVHA), 9 July 2024, Dharamshala

111. Mobile addiction among children, Training Program of Counsellors. Organized by Tibetan Voluntary Health Association (TVHA), 9 July 2024, Dharamshala

112. Protective and Risk factors of an Individual and Behavioral Addictions, Panel Discussion in Mental Health Week Celebration, 7 October 2024, Noida UP

113. Non-Pharmacological Management of Eating Disorders, Webinar organized by NBEMS, 8 January 2025, Delhi/ Online

114. Common Behavioral Problems in Children and Administration of Behavioral Modification Therapy., In Induction Training for newly recruited Members of Juvenile Justice Boards, Organized by NIPCCD, 31 January 2025, Delhi

115. Role of Doctors in making enquiries from the victim regarding the offence., In Training Programme for Ensuring Sensitive Handling of the Cases Relating to Sexual Offences against Children' for Doctors of the NCT of Delhi. Delhi Judicial Academy, 20 March 2025, Delhi

116. Role of Doctors in Counselling of the Victim, In Training Programme for Ensuring Sensitive Handling of the Cases Relating to Sexual Offences against Children' for Doctors of the NCT of Delhi. Delhi Judicial Academy, 20 March 2025, Delhi

117. Dr Gauri Shankar Kaloiya, Workshop on ASSIST, 3rd ANCSAP held at NIEPWD, 21 June 2024., Dehradun (UK)

118. Adolescents & Substance Use, 5 days Training organized by IGNOU & Navodaya Vidyalaya Samiti, NOIDA, 23 September 2024, Delhi

119. Brief Intervention, Workshop on Addiction, NISD, 16 October 2024-10 March 2025., Delhi

120. Generational Transformation in 21st Century', National Conference of IASP, 4 November 2024, Mysore (KA)

121. 'Exploring the Dynamics of Change', 1st National Wellbeing Conclave, IIT, MoHRD, GOI, 9 November 2024, Hyderabad (TS)

122. Management of Addiction, Mid Term Annual National Conference of Society for Addiction Psychology, University of Nagaland, Kohima, 12 December 2024, Gwalior (MP)

123. 'Psychosocial Intervention', International Conference of Indian Association of Applied Psychology, , 26 February 2025, Kohima (Nagaland)

124. Psychological Interventions in Addiction, 5 Days Workshop on Psychological Interventions in Addiction, 17 March 2025, Srinagar (J&K)

125. 'Cultural Barriers to Mental Health Services & Substance Use', International Conference on Culture, Mind & Society: A Multidisciplinary Dialogue in Humanities & Social Sciences, 26 March 2025, Pune (MH)

126. Motivational Interviewing, 5 Days Training workshop for ATF staffs, 1 August-25 October 2024, 20 February-28 March 2025,

127. Workshop on ASSIST, 3rd ANCSAP held at NIEPWD, 21 June 2024, Dehradun (UK)

128. Dr Prabhoo Dayal, Disinhibition Personality Traits and Their Influence on the Course and Treatment Outcomes in Individuals with Comorbid Alcohol Dependence and Gambling Disorder: Insights from Case Reports, International Society of Addiction Medicine (ISAM) Regional Conference 2024, 21 November 2024, Singapore

129. Dr Biswadip Chatterjee, Healthcare technology for Addictive substances and behaviours, Invited speaker at IEEE International Conference on Brain-Computer Interface & Healthcare Technologies (iCon-BCIHT 2024), 20 December 2024, Thiruvananthapuram, Kerala

130. Community rehabilitation of substance related disorders., Conference on Child Mental Health and Psychosocial Support organised by Organized by Child Guidance and Wellbeing Center (CGWC), Institute of Mental Health and Neurosciences (IMHANS), GMC, Srinagar, 13 November 2024, Srinagar, Kashmir

131. Substance abuse in the youth, prevention and solutions., 13th Annual Conference of Psychiatric Society of Goa, 21 July 2024, Goa

132. Dr Siddharth Sarkar, Ethics of Coercion: Involuntary treatment and restraint in psychiatric care., 4th Annual Conference of the IAPP Haryana state branch, 8 February 2025, Kasauli

133. Substance Use Among Indian Physicians: Extent, Challenges, and the Way Forward., 76th Annual National Conference of Indian Psychiatry Society, 25 January 2025, Hyderabad

134. How to review an original article., 76th Annual National Conference of Indian Psychiatry Society, 24 January 2025, Hyderabad

135. Creating Credible Scientific Evidence and Benchmarks., Drishti se Vivek Tak : Reimagining Health Communication in the AI era, 9 December 2024, Delhi

136. Drug, Alcohol and Modern relationship., 49th Conference of the Eastern Zonal Branch of the Indian Psychiatric Society (CEZIPS 2024), 29 November 2024, Gopalpur, Odisha

137. Drugs, alcohol, and intimate relationships: Where, when and how mental health professionals can be of help? 31st National Conference of Indian Association of Social Psychiatry, 5 November 2024, Mysuru

138. The Hidden Curriculum in Psychiatric Training: What teachers should also think about., Annual Conference of the Indian Psychiatric Society-North Zone, 29 September 2024, Bikaner

139. Substance use in elderly: Epidemiology and Risk factors, National CME on Addiction Psychiatry, 1 September 2024, Chandigarh

140. Pharmacogenetics in psychiatry- where we are and what next with main focus on addiction, TANPSYCON 2024, 27 July 2024, Coimbatore

141. Real world challenges of supervising opioid substitution therapy., 2nd CME and PG Development Program in Addiction Medicine (CPDPAM), 26 June 2024, Tezpur

142. Cannabidiol - Current Evidence & Future Directions in Psychiatry., Indian Psychiatric Society West Zone Branch - Midterm CME 2024, 11 May 2024, Lonavala

143. Dr Piyali Mandal, Substance Use Disorder in Women: Unique Needs, Challenges and Solutions, IPS National Symposium Women's Mental Health, 15 December 2024, Delhi, India

144. Sharing our experiences of dealing with pre-natal & post-natal mothers with opioid dependence, ISAM 2024 Congress, 7 September 2024, Istanbul, Turkey

145. Dr Roshan Bhad, 'Current Status and Expanding the Focus on Addiction Psychiatry Training in Asian Countries: A Scoping Review', SAARC Psychiatry Federation Congress, 2024, 27 July 2024, Colombo, Sri Lanka

146. "Digital Treatment Interventions for Substance Use Disorders: Recent Advances and Future Directions", 26th Annual Congress of International Society of Addiction Medicine (ISAM), 2024, 6 September 2024, Istanbul, Turkey

147. Cognitive effects of Long-term opioid agonist Treatment, 26th Annual Congress of International Society of Addiction Medicine (ISAM), 2024, 7 September 2024, Istanbul, Turkey

148. Substance use among physicians: Scope of problem, risk factors and management Challenges, 4th Annual Conference of Addiction Psychiatry Society of India (ADDICON-2024), 17 October 2024, Srinagar, Kashmir

149. Managing post disaster mental & substance use disorders in low resource setting: overview, 4th Annual Conference of Addiction Psychiatry Society of India (ADDICON-2024), 18 October 2024, Srinagar, Kashmir

150. Stigma among patients of opioid use disorders in India: A scoping review, World Congress of Psychiatry (WCP), 16 November 2024, Mexico City, Mexico

151. "Ketamine in Clinical Psychiatry: How Far We Have Reached", Annual CME Pataliputra Psychiatric Society, 14 December 2024, Deoghar, Jharkhand

152. Substance use among physicians: an overview, Annual National Conference of Indian Psychiatry Society (ANCIPS), 25 January 2025, Hyderabad, Telangana

153. Digital Therapeutic Interventions for Substance Use Disorders: Perspective from India, International Conference on Rethinking of Mental Health, 27 February 2025, Colombo, Sri Lanka

154. Dr Shalini Singh, Prevention and Management of Substance Abuse Disorder, One-year regular Advanced Diploma in Child Guidance and Counselling, National Institute of Public Corporation and Child Development, 1 April 2024, Delhi

155. School based prevention of drug abuse, Training workshop for senior secondary school educators at the Mother's International School, by the Narcotics Control Bureau, 20 April 2024, Delhi

156. "What you must know about addiction", Student wellness symposium for the senior school students at the Mother's International School, ,

157. Drug Abuse Prevention, Resource Person for one of the online program on the topic -"Nurturing Mental, Emotional Health & Stressed Out", NCDAP, NISD, 26 June 2024, Online

158. Appreciation of range of substances, its usage and impact, Orientation Training on Prevention of Drug and Substance use for CCI Functionaries, National Institute of Public Cooperation and Child Development (NIPCCD), MWCD, GOI, 15 July 2024, Online

159. Interviewing Skills, Assessment and Diagnosis, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 3 July 2024, Delhi

160. Overview of Alcohol Use Disorder and Management Uncomplicated Withdrawal, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 30 July 2024, Delhi

161. Management of Tobacco Dependence & Inhalant Use, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 1 August 2024, Delhi

162. Management of other substance use disorders (Cannabis & Benzodiazepine), Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 1 August 2024, Delhi

163. Screening, Assessment and Diagnosis of substance use disorders, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 19 August 2024, Delhi

164. Overview of Opioid Use Disorders, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 21 August 2024, Delhi

165. Management of Opioid Withdrawal and Antagonist maintenance, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 21 August 2024, Delhi

166. Long-term Management of Opioid Dependence – Agonist maintenance, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 21 August 2024, Delhi

167. Management of Tobacco Dependence, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 21 August 2024, Delhi

168. Science of addiction, 3 Months Certificate course on "Drug De addiction Treatment, Counselling Skills & Rehabilitation, National Institute of Social Defence (NISD), 19 September 2024, Delhi

169. Interview, assessment and diagnosis in Substance Use Disorders, 3 Months Certificate course on "Drug De addiction Treatment, Counselling Skills & Rehabilitation, National Institute of Social Defence (NISD), 3 October 2024, Delhi

170. Interviewing Skills, Assessment and Diagnosis, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 4 October 2024, Delhi

171. Overview of Alcohol Use Disorder and Management Uncomplicated Withdrawal, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 4 October 2024, Delhi

172. Management of Tobacco Dependence & Inhalant Use, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 5 October 2024, Delhi

173. Management of other substance use disorders (Cannabis & Benzodiazepine), Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 5 October 2024, Delhi

174. Prevention of substance use in community setting, 3 Months Certificate course on "Drug De addiction Treatment, Counselling Skills & Rehabilitation, National Institute of Social Defence (NISD), 10 October 2024, Delhi

175. Management of Tobacco Dependence & Inhalant Use, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 October 2024, Delhi

176. Management of other substance use disorders (Cannabis & Benzodiazepine), Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 October 2024, Delhi

177. Symposium: "What you must know about drug abuse", Student Wellness for AIIMS Post graduate Students, 15 November 2024, Delhi

178. Science of addiction, Three-Day Training Program Schedule for Training to the Staffs/Members of Detoxification/ De-addiction/Rehabilitation Centre from 26-28 November 2024 at National Institute of Social Defence, 27 November 2024, Delhi

179. Addiction treatment and management., Three-Day Training Program Schedule for Training to the Staffs/Members of Detoxification/De-addiction/Rehabilitation Centre from 26-28 November 2024 at National Institute of Social Defence, 27 November 2024, Delhi

180. Substance Use Disorder: Assessment and Management, AIIMS-BSF Manorakshak capacity building training program for health care professionals at BSF, 4 December 2024, Delhi

181. Science of Addiction, Three day training program for staff of DDACs, National Institute of Social Defence (NISD), 7 December 2024, Delhi

182. Substance of Abuse : Characteristics and consequences, Three day training program for staff of DDACs, National Institute of Social Defence (NISD), 7 December 2024, Delhi

183. Assessing & enhancing motivation, Three day training program for staff of DDACs, National Institute of Social Defence (NISD), 18 December 2024, Delhi

184. Improving treatment compliance and retention, Three day training program for staff of DDACs, National Institute of Social Defence (NISD), 18 December 2024, Delhi

185. Science of Addiction, Three day training program for staff of DDACs, National Institute of Social Defence (NISD), 20 December 2024, Delhi

186. Substance of Abuse : Characteristics and consequences, Three day training program for staff of DDACs, National Institute of Social Defence (NISD), 20 December 2024, Delhi

187. Drug Abuse Prevention, One day training program for the Educational and Vocational Guidance Counselor (EVGCs) of the Education Department, Govt. of NCT Delhi, 26 December 2024, Online

188. Crisis Management, Workshop on Substance Abuse and Dependence by Student Counsellor Center, Christ (Deemed to be University), Delhi NCR Campus, 29 January 2024, Ghaziabad, UP

189. How to prevent drug use in children? Interaction session with parents on sensitization towards Substance Use, Delhi Public School, RK Puram, 30 January 2024, Online

190. Interviewing Skills, Assessment and Diagnosis, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 30 January Delhi

191. Overview of Alcohol Use Disorder and Management Uncomplicated Withdrawal, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 30 January Delhi

192. Assessing & enhancing motivation, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 1 February Delhi

193. Improving treatment compliance and retention, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 1 February Delhi

194. Bridges to Better Choices: A Talk on Substance Abuse and Dependence, Online webinar for the Graduate and Post-Graduate students, Aligarh Muslim University, 10 February 2025, Online

195. Management of Acute Alcohol Withdrawal and its complications, Training for Medical Officers of Govt. Health Care Facilities (DCH/PHC/CHC) on Management of Substance Use Disorder, National Mental Health Programme, Uttar Pradesh, 18 February 2025, Delhi

196. Long-term Management of Alcohol Dependence , Training for Medical Officers of Govt. Health Care Facilities (DCH/PHC/CHC) on Management of Substance Use Disorder, National Mental Health Programme, Uttar Pradesh, 18 February Delhi

197. Basics of Psychoactive Substances, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 February Delhi

198. Substance use disorders (SUDs), Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 February Delhi

199. Magnitude of Substance Use in India, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 February Delhi

200. Drug Use Management Strategies and Overview of Treatment of SUDs, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 February Delhi

201. Interviewing Skills, Assessment and Diagnosis, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 26 February Delhi

202. Overview of Alcohol Use Disorder and Management Uncomplicated Withdrawal, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 26 February Delhi

203. Assessing & enhancing motivation, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 28 February Delhi

204. Improving treatment compliance and retention, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 28 February Delhi

205. Appraisal Session: Substance Abuse Disorder, One-year regular Advanced Diploma in Child Guidance and Counselling, National Institute of Public Corporation and Child Development, 5 March 2024, Delhi

206. Prevention and Management of Substance Abuse Disorder, One-year regular Advanced Diploma in Child Guidance and Counselling, National Institute of Public Corporation and Child Development, 6 March 2024, Delhi

207. "Basic of Drugs: Sings and Symptoms, Reasons and Repercussions" and "Myths and Misconceptions and Magnitude of the problem", Orientation Training on Prevention of Drug and Substance use, Child Care Institutions, Public Cooperation and Child Development (NIPCCD), MWCD, GOI, 10 March 2024, Delhi

208. The Power of Choice: Substance Abuse and Mental Health, Department of Economics, Political Science and Sociology, Department of English and Cultural Studies and School of Sciences, Centre for Counselling and Health Services CHRIST (Deemed to be University) DELHI, NCR, 21 March 2025, Ghaziabad, UP

209. Interviewing Skills, Assessment and Diagnosis, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 24 March 2024, Delhi

210. Overview of Alcohol Use Disorder and Management Uncomplicated Withdrawal, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 24 March Delhi

211. Assessing & enhancing motivation, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 March Delhi

212. Improving treatment compliance and retention, Induction Training for Staff of Addiction Treatment Facilities on Management of Substance Use Disorders, National Institute of Social Defense, New Delhi, 25 March Delhi

213. Substance Use Disorder: Assessment and Management, AIIMS-BSF Manorakshak capacity building training program for health care professionals at BSF, 26 March 2024, Delhi

214. Science of addiction, 3 Months Certificate course on "Drug De addiction Treatment, Counselling Skills & Rehabilitation, National Institute of Social Defence (NISD), 3 March 2024, Delhi

215. Interview, assessment and diagnosis in substance use disorders, 3 Months Certificate course on "Drug De addiction Treatment, Counselling Skills & Rehabilitation, National Institute of Social Defence (NISD), 20 March 2024, Delhi

216. Prevention of substance use in community setting, 3 Months Certificate course on "Drug De addiction Treatment, Counselling Skills & Rehabilitation, National Institute of Social Defence (NISD), 26 March 2024, Delhi

217. Sensitization on Human Treatment and Rehabilitation of Drug Abuse Victims, Resource Person during the online webinar for the Field Officers of NCB Delhi Zonal Unit, NCDAP, NISD, 27 March 2024, Online

LECTURES DELIVERED OVER PAST THREE YEARS

2022–23	2023–24	2024–25
168	209	217

List of oral papers/posters presented: 27

1. Ambekar A, Effectiveness of opioid agonist treatment., Symposium presented at the ISAM 2024 Global Congress, 6 September 2024, Istanbul, Turkey
2. Ambekar A, Substance Use and Motherhood., Symposium presented at the ISAM 2024 Global Congress, 7 September 2024, Istanbul, Turkey
3. Ambekar A, Epidemiology of drug use in hard-to-reach populations, Symposium presented at the ISAM 2024 Global Congress, 8 September 2024, Istanbul, Turkey
4. Ambekar A, Stocking and dispensing narcotic and psychotropic medication: Are psychiatrists being unfairly targeted? Symposium presented at Annual Conference of Addiction Psychiatry Society of India – ADDICON 2024, 17 October 2024, Srinagar
5. Vasisht Asmita, Dhawan Anju, Balhara Yatan Pal, The Intersection of Alcohol and Psychosis: A case report, ADDICON, 17-19 October 2024, Srinagar, J&K
6. Chauhan N, Kumaran SS, Chatterjee B, Dhawan A, Sarkar S, Kalaivani M., Neuroimaging Insights into Opioid Cue Reactivity: Development of an fMRI Task Targeting Chasing as an Administration Route in Opioid Dependence, International Society of Addiction Medicine (ISAM) 26th Congress- Building Bridges: Addiction and Recovery, 5-8 September 2024, Istanbul, Turkey
7. Bhatia Hema, Gurveen, Dhawan Anju, "Rapid Escalation of multiple drug use in a young male: A Case Study of Mephentermine, Pentazocine, and Tapentadol use with associated complications", ADDICON, 17 October 2024, Srinagar, J&K
8. Jhanjee S, Exploring mechanisms of dependence and pharmacological interventions for Arecanut/BetelQuid cessation: A review, 37th (European College of Neuropsychopharmacology), ECNP conference, 20 September 2024, Milan, Italy
9. Jhanjee S, Smokeless tobacco use in India: Challenges and way forward, 15th International Conference of the SAARC Psychiatric Federation and 21st Annual Academic Sessions of Sri Lanka College of Psychiatrists., 25 July 2024, Colombo, Sri Lanka
10. Kaur G, Patel V, Ambekar A, Dayal P, Agrawal A, Mandal P, Steroid and Cyproheptadine Use: A Case Report of Chronic non-prescription use and Its Metabolic Fallout., 4th Annual National Conference of Addiction Psychiatry Society of India, 18 October 2024, Srinagar, Jammu & Kashmir
11. Kaur G, Kaur V, Mandal P, Agrawal A, Dayal P, Ambekar A., Knocking out with a muscle relaxant: Succinylcholine misuse in a young female health-worker with multiple substance use and complex PTSD., ISAM 2024 Congress, 5 September2024, Istanbul, Turkey
12. Kaur M, Chatterjee B, Quraishi R, Dhawan A, Evaluation of Clinical and Hypothalamic-Pituitary-Adrenal Axis Hormones in Response to Stress Challenge in Buprenorphine-Maintained Patients: An Exploratory Study, International Society of Addiction Medicine (ISAM) 26th Congress- Building Bridges: Addiction and Recovery, 5 September 2024, Istanbul, Turkey
13. Mandal P, Ambekar A., Women clinic exclusively for women with substance use problems, 10th world congress of women's mental health, 5 February 2025, Bengaluru, Karnataka
14. Mandal P, Jhajharia A, Ambekar A., Buprenorphine assisted opioid withdrawal management in the out-patient setting: a prospective observational study, ANCIPS 2025, 24 January 2025, Hyderabad, Telangana
15. Mandal P., Role of significant others involvement in retention and outcome on naltrexone among opioid dependent individuals: An open label pilot study., ANCIPS 2025, 24 January 2025, Hyderabad, Telangana
16. Ojasvi Meena, Shanker GK, Dhawan A, Sarkar S, Adherence to disulfiram therapy in outpatients with alcohol dependence: A Quantitative study, ANCIPS-NZ 2024, 28 September 2024, Bikaner
17. Prerna, Shakya, P., Dhawan, A., Bhargava, R., Chatterjee, B., Uncovering the Hidden Struggles: Substance Use Patterns, Psychiatric Comorbidity, and Life Domain Deterioration in Opioid-Dependent Adolescents, 3rd

National Mid-Term CME of Indian Association for Child and Adolescent Mental Health (IACAM CME 2025), 9 February 2025, Delhi, India

18. Quraishi R, Kumar A, An LC-MS/MS method for the determination of W18 in urine samples (Poster), 32nd EPA European Congress of Psychiatry, 6 April 2024, Budapest, Hungary
19. Quraishi R, Kumar A, An LC-MS/MS Method for the Determination of Mephentermine and Phentermine in Urine Samples (Free paper), 50th Annual Conference of the Association of Clinical Biochemists of India (ACBICON), 4 December 2024, Chandigarh, India
20. Sanahan R, Mandal P, Agarwal A, Dayal P, Ambekar A., Opioid prescription abuse in a patient with persistent somatoform pain disorder: A Case Report., 4th Annual National Conference of Addiction Psychiatry Society of India, 18 October 2024, Srinagar, Jammu & Kashmir
21. Sanahan R, Chandra S Y, Mandal P, Ambekar A, Opioid dependence and its Management during pregnancy and postnatal period: A retrospective chart review., IPS National Symposium Women's Mental Health, 15 December 2024, Delhi
22. Sarkar S, Dhawan A, Quraishi R, Negi PS, Kumar A., Reasons for Individuals not Enrolling for Yoga trial in Addiction., 32nd European Congress of Psychiatry, 8 April 2024, Budapest, Hungary
23. Shukla, S., Chatterjee, B., Dinesh, M., & Kuppusamy, V., The promise and perils of psychedelics in psychiatry., 4th Annual National Conference of the Addiction Psychiatry Society of India (ADDICON 2024), 17 October 2024, Srinagar, J&K
24. Shukla S, Patel V, Chatterjee B, Dhawan A, Retrospective Cohort Study to Examine the 12-Month Retention and Abstinence Rate on Various Long-Term Pharmacological Treatments Among Treatment-Seeking Opioid-Using Adolescents, International Society of Addiction Medicine (ISAM) 26th Congress- Building Bridges: Addiction and Recovery, 5 September 2024, Istanbul, Turkey
25. Sriperambudoori V, Dhawan A, Mishra AK, Chatterjee B, Ambekar A, Agarwal A, Chopra A, Bhargava R, A Cross-Sectional Community-Based Study Using Modified Social Stress Model to Understand Substance Use Among Street Children In Delhi, International Society of Addiction Medicine (ISAM) 26th Congress- Building Bridges: Addiction and Recovery, 5 September 2024, Istanbul, Turkey
26. Varsha S, Sarkar S, Dhawan A, Chemsex in India: Results from an online survey, ADDICON-2024, 17October 2024, Srinagar, J&K
27. Meena O, Shankar G, Dhawan A, Sarkar S, Adherence to disulfiram therapy in outpatients with alcohol dependence: A mixed methods study, ADDICON-2024, 17 October 2024, Srinagar, J&K

Total number of oral/poster presentations

2022–2023	2023–2024	2024–2025
12	23	27

RESEARCH

Funded projects

Ongoing

1. A study to examine psycho-social & behavioral domains among school going adolescents during COVID 19 pandemics: Mixed study design, Dr Rachna Bhargava, ICMR, 3 years, 2022-2025, Rs 1.35 Lakhs
2. A time series approach to evaluating the role of co-occurring depression and anxiety as determinants of outcomes, disability and quality of life among patients with opioid dependence, Dr Siddharth Sarkar, ICMR, 3 years, 2023-2026, Rs 50 Lakhs
3. Development & Pilot Testing of a Biomarker Feedback and Cognitive-Social Health Information-Processing (C-SHIP) Model Based Novel Multi-component Intervention for Smokeless Tobacco Cessation during Pregnancy, Dr Prabhoo Dayal, ICMR, 3 years, 2023-2026, Rs 39.61 Lakhs
4. Establishing and implementing capacity building mechanism for addiction treatment, Dr Alok Aggarwal, Ministry of Social Justice and Empowerment, GoI, 4 years, 2020-2025, Rs 1600 Lakhs
5. Evaluation of Neurocognitive, Personality, Emotional, and Psychosocial Biomarkers as Candidate Endophenotypes for Opiod Use Disorder &Their Relationship with Polymorphism in Opioid & Dopamine Receptor Genes : Implications for Prevention & Treatment, Dr. Prabhoo Dayal, ICMR, 3 years, 2022-2025, Rs 36.63 Lakhs

6. Hepatitis C testing using dried blood spots among people who inject drugs, with implications for diagnosis and treatment monitoring: A multi-site, cross sectional study, Dr. Rizwana Quraishi, ICMR, 3 year, February 24-February 27, Rs 42,00,000
7. Identifying Predictors of Suicidal Risk in Individuals with Alcohol Use Disorder Using a Combined Biomarker and Clinical Risk Assessment Approach, Dr Prabhoo Dayal, DHR, 3 years, 2023-2026, Rs 50.61 Lakhs
8. Metabolic and addiction indices in Indian opioid dependent subjects on Buprenorphine-naloxone Maintenance treatment: A longitudinal study. (ICMR 2023), Dr Piyali Mandal, ICMR, 3 years, 2023-2026, Rs 14.71 Lakhs
9. Psychoactive substance use among individuals in Mizoram Prisons: A situational assessment, Dr Ravindra Rao, Social Welfare Department, Govt of Mizoram, 9 months, December 2024-August 2025, Rs 6 Lakhs
10. Real world effectiveness of add-on yoga of patients with opioid dependence stabilized on treatment, Dr Siddharth Sakar, DST, 3 years, 2022-2025, Rs 34 Lakhs
11. Role of specific single-nucleotide gene polymorphisms (SNPs) with treatment adherence and outcome with naltrexone among patients with opioid dependence: A naturalistic follow-up study, Dr Biswadip Chatterjee, ICMR, 3 years, 2021-2024, Rs 50.70 Lakhs

Completed

1. Assessment of rates and causes of mortality among people with opioid dependence, Ravindra Rao, Indian Council of Medical Research, 3 years, July 2021-September 2024, Rs 56.98 Lakhs
2. Brain Stimulation as a Novel Technique for Cognitive Dysfunction and Craving Management to Enhance Treatment Outcome in Patients with Alcohol Dependence: a Prospective, Randomized Controlled Trial, Prabhoo Dayal, DST, 3 years, 2018-2022, Rs 30.81 Lakhs
3. Peripheral Blood Inflammatory Cytokines and Markers of Neuroinflammation in Alcohol Dependence and Their Association with Behavioural Markers and Alcohol Dependence Treatment Outcome, Prabhoo Dayal, AIIMS (Intramural), 1 year, 2019-2020, Rs 4.63 Lakhs
4. Role of genetic polymorphism in determining risk and severity of opioid dependence: A case-control study, Biswadip Chatterjee, AIIMS (Intramural, 3 years, 2021-2024, Rs 10 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A cross-sectional study to assess the neuro-cognitive functioning of chronic smokeless tobacco users
2. A Pilot Study on Dropouts in Adolescent Outpatients with Substance Use Disorder
3. A Randomized Controlled Trial to Evaluate the Efficacy of Inhibitory Control Training for Aggressive Behaviours among Individuals with Co-occurring Substance Use Disorder and Gambling Behaviour
4. Adherence to Disulfiram therapy in alcohol dependent outpatients and factors related to supervision by family members
5. An E -Study to Assess the Socio Demographic and Clinical Characteristics of Participants of Chemsex In India
6. Association of severity of substance use with impulsivity, internalizing and externalizing problems in adolescents.
7. Clinical parameters among adults having opioid dependence syndrome with and without ADHD: A comparative study
8. Comparative Analysis of Serum Levels and Subjective Effects of Intravenous vs Sublingual Buprenorphine: A Randomized Double-Blind Crossover Study.
9. Comparison of Clinical Parameters among Opioid Use Disorder Adult Opioid Use Disorder Patients with and without ADHD
10. Drug dependence treatment retention and associated factors among women treatment seekers - A Longitudinal Study
11. Effectiveness of Nicotine Replacement Therapy (NRT) and Bupropion for Smoking Cessation amongst opioid dependent subjects on agonist maintenance treatment: A Randomized Open-Label, Parallel-Group Trial
12. Efficacy of Baclofen for cannabis use disorder in patients on Opioid Agonist treatment with Buprenorphine: a double-blind placebo-controlled trial

13. Efficacy of brief intervention/ 5A approach in smokeless tobacco use cessation in patients receiving treatment at a tertiary dental facility: a randomized controlled trial
14. Exploring neuroimaging and metabolomic markers associated with opioid dependent subjects on buprenorphine maintenance treatment.
15. Exploring spiritual and religious coping in patients with substance use disorders: Perspectives of patients and healthcare professionals
16. Impact of Opioid Substitution Treatment on Employment Among Patients with Opioid Dependence in NDDTC and Trilokpuri Community Clinic of India
17. Loneliness Among People Undergoing Treatment for Opioid Use Disorder: A Mixed Methods Examination of Rates, Severity, and Associated Factors
18. Long term outcomes of opioid agonist treatment in patients with opioid use disorder: A Systematic Review and Meta-Analysis
19. Marital Relationship and Quality of Life among Men and Women Seeking Treatment for Opioid Dependence and their Spouse: A Comparative study
20. Patient preferences for long-term treatment for opioid use disorders
21. Pattern, Motives and Factors Associated with Non-prescription Use and Diversion of Buprenorphine among Opioid Dependent Patients: A Cross-sectional Observational Study
22. Retention and associated factors among women seeking treatment for drug dependence – a longitudinal study
23. Retrospective study to analyze the profile, the pattern of substance use and outcome of treatment of adolescent patients who sought treatment for opioid use
24. Study of Attentional Bias Using Eye Tracking in Opioid Dependent Subjects

Completed

1. A Pilot Study on Dropouts in Adolescents Outpatients with Substance Use Disorders: A Longitudinal Prospective Study
2. A randomized controlled trial of family intervention for patients with opioid dependence
3. Adherence to disulfiram therapy in alcohol dependent outpatients and factors related to supervision by family members
4. Assessment of sexual functioning and sex hormone levels in opioid-dependent males maintained on opioid agonist treatment: A prospective, community-based study
5. Association of Tobacco Smoking with Psychiatric Co-morbidities among Patients with Chronic Obstructive Pulmonary Disease
6. Comparison of Different Methods for Estimation of Alcohol Consumption: A Cross-sectional Community based Study
7. Neuropsychological functioning in patients with alcohol dependence: A case control study
8. Outcomes in Treatment with Tramadol for Opioid Use Disorder over 12 weeks : A Prospective Observational Study
9. Patient preferences for long-term treatment for opioid use disorder
10. Psychosocial correlates of caregiving experience among caregivers of patients with schizophrenia

Collaborative projects

Ongoing

1. Cognitive changes in children undergoing multiple exposures to anesthesia for pediatric glaucoma and its association with visual fields and perimetry, Department of Ophthalmology
2. Development of a Mindfulness-based Intervention for Adolescents with ADHD, Department of Psychiatry
3. Development of artificial intelligence-based models for prediction of self-harm amongst the patients of depression, Department of Psychiatry, Department of Anatomy

4. Enhancing Mental Health and Substance Use Literacy among College Going Students in National Capital Territory of Delhi- An Intervention Study, Centre for Community Medicine
5. Evaluation of the bleeding problems, their severity and the psycho-social impact of being a carrier of Hemophilia, Department of Hematology
6. Exploring neuroimaging and metabolomic markers associated with opioid dependent subjects on buprenorphine maintenance treatment, Department of NMR
7. Investigation of Ventricular Arterial coupling and its association with Renin Angiotensin aldosterone in COVID-19, Department of Physiology
8. Microstates and cortical sources as a QEEG tool to quantify and classify normal, meditative, stressed and psychiatric brain states, Department of Physiology
9. Neuro-biofeedback as a trans-diagnostic treatment approach among adolescents with internalizing disorders, Department of Psychiatry
10. Profiling Injecting Drug Marks in Indian Injection Drug Users, Department of Dermatology
11. Role of scrotal support in reducing post-operative pain, oedema and hematoma following laparoscopic inguinal hernia surgery: A Randomized control trial, Department of Pediatric Surgery

Completed

1. A pilot study to assess the items for the anxiety related events among blood donors and establish their face and content validity at a tertiary care academic institute in North India, Department of Transfusion Medicine
2. Assessment of clinical factors associated with chronotype in patients with Bipolar Disorder in remission, Department of Psychiatry
3. Functional outcome of patients undergoing thoracic surgery for pulmonary and pleural diseases: a prospective cohort study, Department of Pediatric Surgery
4. Outcome of ASO in TGA intact ventricular septum with regressed LV in the age group 2-6 months using two stage VS integrated ECMO-A prospective observational study, CTVS
5. To assess prefrontal cortical activity in children and adolescents with ADHD using FNIRS, SACCIDIC Eye movements and the effect of treatment : A randomized Control Trial, Department of Psychiatry

RESEARCH OVER PAST 3 YEARS

Research projects	2022–23	2023–24	2024–2025
Total funded projects	18	26	13
Total funding in Rs	Rs 1752.98 Lakhs	Rs 1030.62 Lakhs	Rs 2059.24 Lakhs

Publications

Journals: 48 **Abstracts: 10**

Chapters in Book: 01 **Books & Monograps: 01**

Publications over last 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**110**	**75**	**60**

PATIENT CARE

Under the title: Patient care/supportive activities: please include information regarding:

(a) facilities available in the department (including special clinics and/or special laboratory facilities)

(b) community services/camps, etc.

Please also provide data wherever appropriate.

Patient care*(other items may be added/removed as per activity of department)*

Data for financial year 2024-2025

1 OUT-PATIENT SERVICES

GENERAL OPD	NEW CASES	OLD CASES	TOTAL
NDDTC OPD	6015	113954	119969
TRILOK PURI (COMMUNITY CLINIC)	185	39577	39762
SUNDER NAGRI (COMMUNITY CLINIC)	256	160338	160594
KOTLA MUBARAK PUR(COMMUNITY CLINIC)	191	26538	26729
TOTAL CASES	6647	340407	347054

NDDTC runs 6 specialty clinics including Dual Diagnosis clinic, Behavior Addiction Clinic, Adolescence Clinic, Tobacco Cessation Clinic, Women Clinic and Family Empowerment Clinic

2 **Other Patient care Statistics**

SPECIALITY CLINIC			
ADOLESCENT CLINIC	23	105	128
DUAL DIAGNOSIS (NDDTC)	77	197	274
TOBACCO CESSATION	26	257	283
WOMEN CLINIC	29	106	135
FAMILY EMPOWERMENT CLINIC	01	09	10
CLAP CLINIC	323	1094	1417
BEHAVIOURAL ADDICTION	18	42	60
DUAL DIAGNOSIS (AIIMS)	68	444	512
TOTAL CASES	**565**	**2254**	**2819**

In-patient Services

Total admissions 1345

*Total drug screening done for opioids (morphine, codeine, buprenorphine, dextropropoxyphene, pentazocine, tramadol), pheniramine, naltrexone, benzodiazepines, cotinine, cannabis and inhalants)

PATIENT CARE STATISTICS IN THE CURRENT (2024-25) AND PREVIOUS TWO YEARS (2023-2024, Rs 2022-23)

Item	2022–23	2023–24	2024-25
OPD Consultation	312793	349042	347054
Special clinic consultations	565	2254	2819
Total in-patient admissions	1165	1380	1345
Community clinic consultation	209, 845	239, 564	227085
Total hematology tests	82059	83083	61743
Total biochemistry tests	110233	122749	83873
Total HIV screening	584	655	641
Total drug screening done for opioids(morphine, codeine, buprenorphine, dextropropoxyphene, pentazocine, tramadol), pheniramine, naltrexone, benzodiazepines, cotinine, cannabis and inhalants)	42386	81496	83565

State wise functional Govt. Health Care facilities across the country under the both schemes (ATF& DTC)

Coordinated by NDDTC (Funds routed through NDDTC)

S. NO.	STATE	DISTRICT	NAMES AND LOCATIONS OF ATF
1.	Andhra Pradesh	Vijayawada	Siddhartha Medical College, Vijayawada
2.	Arunachal Pradesh	Changlang	District Hospital Changlang District Hospital
3.	Arunachal Pradesh	Dibang Valley	Anni Dibang Valley
4.	Arunachal Pradesh	Namsai	District Hospital Namsai
5.	Assam	Guwahati	All India Institute of Medical Sciences (AIIMS), Guwahati
6.	Assam	Jorhat	Jorhat Medical College & Hospital (Jorhat)
7.	Assam	Tejpur	Lokopriya Gopinath Bordoloi Regional Institute of Mental Health (LGBIMH) Tezpur
8.	Bihar	Patna	All India Institute of Medical Sciences (AIIMS), Patna
9.	Delhi (NCT)	NCT of Delhi	[1]Lady Hardinge Medical College, New Delhi (LHMC)
10.	Delhi (NCT)	NCT of Delhi	Guru Gobind Sing Hospital West Delhi
11.	Delhi (NCT)	NCT of Delhi	LBS District Hospital East Delhi
12.	Delhi (NCT)	NCT of Delhi	ATF Women Clinic Pardabag, Nishadraj Marg Dariyaganj (NCT of Delhi)
13.	Delhi (NCT)	NCT of Delhi	VMMC & Safdarjung Hospital
14.	Goa	Mapusa North District	North District Hospital Mapusa, Goa
15.	Goa	South District Margao	South Goa District Hospital Hospicio Margao, Goa
16.	Gujarat	Ahemdabad	Narendra Modi (Formerly AMC MET) Medical College & Seth L.G. General Hospital Maninagar (Ahmedabad)
17.	Gujarat	Baroda	Medical College SSG, Baroda
18.	Gujarat	Jamnagar	MP Sah Government Medical College, Jamnagar
19.	Gujarat	Mehsana	General Hospital, Mehsana
20.	Haryana	Bhiwani	DCH Bhiwani
21.	Haryana	Hisar	DCH Hisar
22.	Haryana	Jind	DCH Jind
23.	Haryana	Kaithal	DCH Kaithal
24.	Haryana	Karnal	DCH Karnal
25.	Haryana	Yamuna Nagar	MLDCH Yamuna Nagar
26.	Himanchal Pradesh	Kullu	Regional Hospital, Kullu
27.	Jammu & Kashmir	Anantnag	Govt. Medical College, Anantnag
28.	Jammu & Kashmir	Bandipora	District Hospital, Bandipora
29.	Jammu & Kashmir	Baramulla	GMC Baramulla
30.	Jammu & Kashmir	Budgam	District Hospital, Budgam
31.	Jammu & Kashmir	Doda	Government Medical College & Hospital, Doda

32.	Jammu & Kashmir	Jammu	Government Medical College Jammu
33.	Jammu & Kashmir	Kathua	GMC Kathua
34.	Jammu & Kashmir	Kishtwar	DH Kishtwar
35.	Jammu & Kashmir	Kulgam	District Hospital, Kulgam
36.	Jammu & Kashmir	Kupwara	District Hospital, Kupwara
37.	Jammu & Kashmir	Poonch	District Hospital Poonch
38.	Jammu & Kashmir	Pulwama	District Hospital, Pulwama
39.	Jammu & Kashmir	Rajouri	Government Medical College & Hospital, Rajouri
40.	Jammu & Kashmir	Shopian	District Hospital, Shopian
41.	Jammu & Kashmir	Srinagar	IMHANS GMC Srinagar
42.	Jammu & Kashmir	Srinagar	SKIMS Srinagar
43.	Jharkhand	Deoghar	All India Institute of Medical Sciences (AIIMS), Deoghar
44.	Jharkhand	Simdega	Sadar Hospital, Simdega
45.	Madhya Pradesh	Bhopal	AIIMS Bhopal
46.	Madhya Pradesh	Jabalpur	NJSCB GMCH Jabalpur
47.	Maharashtra	Nagpur	All India Institute of Medical Sciences (AIIMS), Nagpur
48.	Maharashtra	Pune	B.J. Medical College & Sassoon Hospital, Pune
49.	Meghalaya	Tura	Civil Hospital, Tura
50.	Mizoram	Azawl	Kulikawn Sub Divisional Hospital
51.	Nagaland	Mon	District Hospital Mon
52.	Rajasthan	Ajmer	JLN hospital & Medical College, Ajmer
53.	Rajasthan	Baran	SRM GH/CH Baran
54.	Rajasthan	Bikaner	P.B. Singh Memorial Hospital SPMCH Bikaner (DIMHANS)
55.	Rajasthan	Jodhpur	AIIMS Jodhpur
56.	Rajasthan	Pali	Govt. Bangur Hospital & GMC Pali
57.	Sikkim	West Sikkim	District Hospital Gyalsing West Sikkim
58.	Tripura	Agartala	Modern Psychiatric Hospital, Agartala
59.	Tripura	Gomati	District Hospital Gomati
60.	Uttar Pradesh	Azamgarh	Divisional District Hospital, Azamgarh
61.	Uttar Pradesh	Behraich	MSD Government Medical College, Behraich
62.	Uttar Pradesh	Budaun	District Hospital Budaun
63.	Uttar Pradesh	Noida	DCH Gautam Budh Nagar, Noida
64.	Uttar Pradesh	Gorakhpur	AIIMS, Gorakhpur
65.	Uttar Pradesh	Moradabad	PDDU DCH Moradabad
66.	Uttar Pradesh	Allahabad	Moti Lal Nehru Medical College, Prayagraj (Allahabad)
67.	Uttar Pradesh	Raebareli	AIIMS, Raebareli

68.	Uttar Pradesh	Saharnpur	District Hospital, Saharanpur
69.	Uttar Pradesh	Shahjahanpur	ASMC Shahjahanpur
70.	Uttar Pradesh	Siddharth Nagar	Madhav Prasad Tripathi Medical College Siddharth Nagar
71.	Uttarakhand	Dehradun	AIIMS, Rishikesh, Dehradun
72.	West Bengal	Murshidabad	Murshidabad Medical College & Hospital, Murshidabad
73.	West Bengal	Kalyani (Nadia)	All India Institute of Medical Sciences (AIIMS), Kalyani, Nadia

S. NO.	STATE	DISTRICT	NAME OF DTC FACILITY
1.	Assam	Dibrugarh	DTC Assam Medical college & Hospital, Dibrugarh
2.	Delhi	NCT of Delhi	DTC & Community Clinic Kotla Mubarakpur (NDDTC, AIIMS)
3.	Gujarat	Surat	DTC New Civil Hospital Surat
4.	Haryana	Rohtak	DTC Pt. P.D. Sharma Post Graduate Institute of Medical Sciences (PGIMS), Rohtak
5.	Jammu & Kashmir	Srinagar	DTC Institute of Mental Health & Neuroscieses (IMHANS)
6.	Madhya Pradesh	Indore	DTC Institute of Mental Health, Indore
7.	Maharashtra	Bhardawadi	DTC Drug De-addiction Centre, Bhardawadi
8.	Maharashtra	Dhule	DTC Shri Bhausaheb GMCH, Dhule
9.	Maharashtra	Mumbai	DTC Gokuldas Tejpal Hospital (GTH), Mumbai
10.	Maharashtra	Mumbai	DTC King Edward Memorial Hospital Mumbai
11.	Maharashtra	Nagpur	DTC Govt. Medical College (GMCH), Nagpur
12.	Maharashtra	Osmanabad	DTC District Civil Hospital Osmanabad
13.	Maharashtra	Rajawadi	DTC Rajawadi Hospital, Rajawadi
14.	Manipur	Bishnupur	DTC District Hospital Bishnupur
15.	Manipur	Churachandpur	DTC District Hospital Churachandpur
16.	Manipur	Imphal	DTC Rigional Institute of Medical Sciences, IMPHAL
17.	Manipur	Thoubal	DTC District Hospital Thoubal
18.	Nagaland	Kohima	DTC Naga Health Authority Kohima, Nagaland
19.	Punjab	Bhatinda	DTC Civil Hospital Bhatinda, Punjab
20.	Punjab	Kapurthala	DTC Civil Hospital Kapurthala, Punjab
21.	Sikkim	Sikkim	DTC District Hospital Singtom Sikkim
22.	Tamil Nadu	Chennai	Institute of Mental Health, Madras Medical College, Kilpauk, Chennai
23.	Telangana	Hyderabad	DTC Institute of Mental Health, Erragadda, Hyderabad
24.	Uttar Pradesh	Agra	DTC SN Medical College & Hospital, Agra
25.	Uttar Pradesh	Lucknow	DTC King George Medical College Lucknow (UP)

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Anju Dhawan was Member Ethics Committee (Thesis) AIIMS. Advisor, Yoga and Meditation – Specialty Section Indian Psychiatric Society. Member Executive Committee of APSI (Addiction Psychiatry Society of India). Member 5th India-US Counter Narcotics Working Group (CNWG) meeting held on 23-24 October 2024 at New Delhi. Nominated by

Ministry of Health, Government of India for Indian delegation on 68th session of Commission on Narcotic Drugs held on 10-14 March 2025 in Vienna. Nominated as national focal point for the WHO 47th Expert Committee on Drug Dependence. Member of the Expert Group for preparation of Standard Treatment Guidelines for all New. Psychoactive Substances (NPS) constituted by the Drug De-Addiction Programme, Ministry of Health and Family Welfare, GOI. Nomination for National level review cum consultation on implementation of Joint Action Plan on Prevention of Drugs and Substance Abuse and Illicit Trafficking" on 30th June 2024 at New Delhi. Member of the Standing Expert Committee on Addictive Drugs constituted by the Drug De-Addiction Programme, Ministry of Health and Family Welfare, GOI.

Professor Sonali Jhanjee was a member of Guideline Development Group (GDG) member for WHO clinical treatment guideline for tobacco cessation which were launched on 2 July 2024. Guideline Development Group (GDG) member for Update of WHO's Guidelines on Risk Reduction for Cognitive Decline and Dementia. Was invited as a chairperson for the session titled Management of a Child with Dissociative Disorder on 9 February at National Mid-Term CME of IACAM, AIIMS, New Delhi. Was invited as a chairperson for the session titled Online gaming addiction in the Pediatric age group: a major health concern-Diagnosis, Management and Counseling on 25 January at 76th ANCIPS, or the Annual National Conference of the Indian Psychiatric Society, Hyderabad. As Member of the Expert Committee on Tobacco Cessation Services in India, attended meeting in Manesar on 11-12 November2024 to give inputs on the National Strategic Action Plan (2025-30) for Strengthening Tobacco Cessation in India.

Professor Atul Ambekar Participated as a member of delegation of Government of India (representative Ministry of Health and Family Welfare) at the 68th session of Commission on Narcotic Drugs (CND), including the High-level Segment. Delivered two statements on behalf of MoH&FW, Government of India (March 2025), Vienna, Austria. Served as the member of steering committee for preparation and finally as the member of the delegation of Government of India to participate in the Commission on Narcotic Drugs (CND), in March 2025, Vienna, Austria. Participated as an expert for the Expert group meeting on consequences of drug use by the United Nations Office on Drugs and Crime (UNODC), Vienna, Austria in September 2024. Participated as an expert for the Expert Meeting on drug use epidemiology and Surveillance Systems, by the European Union Drugs Agency (EUDA), Lisbon, Portugal, in October 2024. Participated as an expert representing MoH&FW, Govt of India at the WHO meeting on illicit alcohol trafficking, Bangkok, Thailand, July 2024. Served as chairperson, Expert Committee on scheduling of Tapentadol, constituted by the CDSCO, MoH&FW, Govt. of India (2024). Serving as Advisor NDPS Task Force, Indian Psychiatric Society (2024-25). Serving as member, Research Advisory Committee, NLR, India (2024-25). Serving as member, Research Advisory Committee, HRIDAY (2024-25). Serving as member, Trial Steering Committee (TSC) for the iCAP (Integrated Care for Alcohol Problems) study - Sangath, Goa, India and London School of Hygiene & Tropical Medicine, UK (2024-26).

Professor Rachna Bhargava was External Examiner for PhD thesis - Delhi University. Secretary General, Indian Association for Child & Adolescent Mental Health (2023-25). Associate Editor, Indian Journal of Social Psychiatry. Editorial Board, Journal of Indian Association of Child and Adolescent Mental Health. Expert member of Inspection committee of Child Care Institutes of Delhi by Department of WomeCD.

Dr Siddharth Sarkar was Deputy editor of the Indian Journal of Psychiatry. Editorial Board of several journals in the field of psychiatry. Developed training material for Community Health Officers (CHOs). Resource person for training of trainers for the state of Uttarakhand. External Expert in the Board of Studies for AIIMS, Gorakhpur and AIIMS, Madurai. Expert in the National Tribal Conclave organized by the Ministry of Tribal Affairs, Government of India. Nominated member for training for UNODC - NISD -Policy makers Training. Resource personnel for training for NISD. PhD and DM thesis evaluation.

Dr Shalini Singh was Member of the Local Research Advisory Group for the MRHRU at Khotpura, Panipat, Haryana; ICMR-National Institute of Cancer Prevention and Research.

Dr Roshan Mohanpant Bhad Elected as Secretary of Addiction Psychiatry Section, World Psychiatric Association. Nominated as Member of Scientific Committee of 27th Annual Congress of ISAM, Hamburg. Nominated as Convener, Emergency and Disaster Mental Health Section, Indian Psychiatry Society.

Dr Piyali Mandal was Chief guide of a DM Resident for ISAM-NIDA Grant-in-Aid-of-Travel for ISAM 2025, Hamburg for the paper titled "Treatment retention and associated factors among women with Drug dependence: A longitudinal study" (based on thesis).

Dr Gauri Shankar Kaloiya was Secretary General of Society for Addiction Psychology. Treasurer of SPREMH, Department of Psychiatry, AIIMS. Ph.D. Thesis evaluated - Delhi University, Jamia Millia Islamia, Kurukshetra University, Ranchi University, Amity University.

Dr Ashwani Kumar Mishra: National Level: Nominated as the External Expert for Grant-in aid scheme for Sustainable Developments Goals (SDGs) for Ministry of Statistics and Programme Implementation (MOSPI), Government of India.

Member Data and Safety Monitoring Board (DSMB), Rajendra Prasad Institute of Medical Sciences (RIMS), Ranchi. Nominated as External Expert Member Institute Ethics Committee (IEC) for National Institute of Health and Family Welfare (NIHFW), Ministry of Health and Family Welfare (MOHFW), Government of India (GOI). Nominated as the External Member for review and sanction of Intramural Research Project for Faculties at All India Institute of Medical Sciences (AIIMS), Chhattisgarh. Panel Expert Member for UGC-Net 2024 Environmental Sciences-Statistics, National Testing Agency (NTA), Ministry of Education, Government of India. Life Member for the professional society Indian Society for Medical Statistics (ISMS). Life Member for the professional society Indian Association for the Study of Population (IASP).

International Level: Selected as the Chair of Education Committee of the International Society for Clinical Biostatistics (ISCB). Elected Member for the International Statistical Institute. Elected Member for the International Association for Statistical Education. Life Member for the professional society Indian Association for the Study of Population (IASP). Associate Editor, for Specialty section Public Mental Health, for the journal Frontiers. Only Member from Developing Country for Education Sub-committee, International Society for Clinical Biostatistics (ISCB).

VISITING SCIENTIST- 2

Dr Benjamin Shepherd, Specialty doctor in Addiction Psychiatry at NHS Lothian, Scotland. Sug Cdr Sargundeep Singh from Indian Navy- Clinical Observership.

10.7 Neurosciences Centre

Head of the Department

Mihir Prakash Pandia

Professors

Rajendra Singh Chouhan
Hemanshu Prabhakar
Indu Kapoor
Girija Prasad Rath
Charu Mahajan
Surya Kumar Dube

Associate Professor

Suman Sokhal

Assistant Professor

Hirok Roy

HIGHLIGHTS

Anesthetic management for 4046 neurosurgical procedures was done in neurosurgical OTs at Neurosciences Center and services on need basis were provided 2 in Gamma-knife suite. Anesthetic management for 726 neuroradiological procedures (514 in Angiography lab and 212 in MRI suite) was performed. Intensive care management was provided to 6677 ICU patients. A total of 4148 patients (2812 new and 1336 old) were seen in the Pre-Anesthesia Check-up (PAC) clinic at NSC. A total of 886 patients (192 new and 694 old) were seen in pain clinics OPD, NSC and more than 400 pain procedures were performed on day care basis.

Twenty research projects including dissertations have been completed in the department this year, and 28 research projects are ongoing. Faculty members are working on 2 international collaborative projects, with 1 project already completed. One faculty member is currently working on one intramural funded research project. Faculty members have delivered 40 lectures at various national and international conferences. The department has published 35 papers in prestigious journals, 1 abstract, 6 book chapters, and 2 books. Faculty members in the department have received awards and recognition on various national and international platforms.

EDUCATION

Five candidates were awarded D.M. (Neuroanaesthesiology and Critical Care) degree and 2 candidates were awarded fellowship in Neurocritical care. Four new candidates joined D.M. course and one candidate joined the Neurocritical care fellowship course. Twenty six senior residents (Academic and non-academic senior residents are in the Department, 2 Neuro Critical-Care fellows). Training was provided to 24 junior residents, Anesthesiology, Critical Care and Pain medicine, AIIMS, New Delhi; 12 senior residents from IRCH, AIIMS, New Delhi. Observership and training to 2 Junior residents from AIIMS, Mangalgiri; 12 junior residents from Lady Hardinge Medical College, New Delhi and 1 senior resident from GB Pant Hospital, New Delhi.

CMEs/Workshops/Symposia/National and International Conferences: NA

Number of students trainee registered in the department:

Students/Trainees registered	2022–2023	2023–2024	2024–2025
Total Students/Trainees	61	45	28

Lectures delivered at CMEs, National and International Conferences:

Lectures delivered: 38

Girija Prasad Rath: 7 **Hemanshu Prabhakar: 9** **Charu Mahajan: 4**

Indu Kapoor: 3 **Surya Kumar Dube: 4** **Suman Sokhal: 4**

Hirok Roy: 7

Girija Prasad Rath

1. Neurocritical Care in India, Annual Scientific Session of Critical Care in Stroke and Joint Session of the Neurocritical Care Society (NCS) Asia Regional Chapter Meeting, 24 August 2024, Xian, China
2. Pediatric Neuroanesthesia Is it the Time for a New Subspecialty? 3rd Professor (Dr) N. N. Sinha Oration at Indira Gandhi Institute of Medical Sciences (IGIMS), 5 October 2024, Patna, Bihar
3. Considerations for Pediatric Traumatic Brain Injury, Medanta Anaesthesia Critical Care Conclave (MNCC), 9 November 2024, Gurugram, Haryana
4. Awake Craniotomy: What it is and How I do it, 71st Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2024), 21 November 2024, Patna, Bihar
5. Teaching and Training in Neuroanesthesia & Neurocritical Care in India, 1st Professor (Dr) TZ Khan Oration at Jawaharlal Nehru Medical College, Aligarh Muslim University, 21 December 2024, Aligarh, UP
6. What's New in Pediatric TBI, 8th Congress of Asian Society for Neuroanesthesia and Critical Care, 1 March 2025, Bangkok, Thailand
7. Minimally Invasive Neurosurgery in Children, 8th Congress of Asian Society for Neuroanesthesia and Critical Care, 2 March 2025, Bangkok, Thailand

Hemanshu Prabhakar

1. Treatment of Acute Ischemic Stroke in the extended time window using perfusion imaging, Emirates Critical Care Conference (ECCC 2024), 10 May 2024, Dubai
2. ERAS in Neurosurgery, International Faculty Speaking Forum, 22 May 2024, Karachi (Online)
3. Curing Coma Campaign in Asia and Indian sub-continent, VII Jornadas Internacionales de Neurointensivismo (JINI), 24 November 2024, Buenos Aires
4. Surveys in the LMICs – what did we learn? VII Jornadas Internacionales de Neurointensivismo (JINI), 24 November 2024, Buenos Aires
5. Research in the LMICs, VII Jornadas Internacionales de Neurointensivismo (JINI), 24 November 2024, Buenos Aires
6. Future research in NCC, VII Jornadas Internacionales de Neurointensivismo (JINI), 24 November 2024, Buenos Aires
7. Targeted Temperature Management – state of art? Innovations in surgery, oncosurgery and transplantology, 19, December Moscow
8. Neurological complications after organ transplant, Innovations in surgery, oncosurgery and transplantology, 19-20 December Moscow
9. Neuroprognostication in the low-income and middle-income countries, Arbeitstagung NeuroIntensivMedizin ANIM 2025, 30 January 2025, Berlin

Charu Mahajan

1. Aneurysmal Subarachnoid hemorrhage, Comprehensive Neurocritical Care Course, 20 July 2024, Kochi
2. Management of Traumatic brain injury, Comprehensive Neurocritical Care Course, 20 July 2024, Kochi
3. Optimal CPP: Chasing the elusive number, 26th Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care, 23 January 2025, Kovalam, Trivandrum
4. Management of aneurysmal SAH, Comprehensive Neurocritical Care Course, 22 February 2025, Gurgaon

Indu Kapoor

1. Spinal Cord Injury, Comprehensive Neurocritical care Course, Medanta Medicity hospital, 22 February 2025, Gurugram, Haryana
2. Cerebral Oxygenation Monitoring, Comprehensive Neurocritical care Course, Medanta Medicity hospital, 22 February 2025, Gurugram, Haryana
3. Optic nerve Sheath Diameter, Comprehensive Neurocritical care Course, Medanta Medicity hospital, 22 February 2025, Gurugram, Haryana

Surya Kumar Dube

1. TCD Basic Principle and Windows of Insonation, AIIMS-RACC, 28 August 2024, AIIMS, New Delhi
2. Fluid Management in Neurocritical Care: New Insights & Personalized Management, NCSI 2024, 30 August 2024, Mahabalipuram, Chennai, Tamil Nadu
3. ICU Management of Patients with Ischemic Stroke, 8th Annual Neurocritical Care Update organised By Apollo Hospital Hyderabad, 5 October 2024, Virtual (Online)
4. Screening and Optimization of Brain-Dead Organ Donor, In Service Training Course of Resident Doctors and Nurses on Deceased Organ & Tissue Donation organized by ORBO, AIIMS, New Delhi, 8 April 2024, 10-23 May 2024, 21 January-21 February 2025, AIIMS, New Delhi

Suman Sokhal

1. "Supratentorial masses – Anaesthetic consideration.", AIIMS Mangalgiri, 17 August 2024, Online
2. Optic Nerve Sheath Diameter, Recent Advances in Critical Care" (RACC-2024), 24 August 2024, JPNATC, AIIMS, New Delhi
3. Transcranial Dopplar, RAJISACON 2024, 13 September 2024, AIIMS Jodhpur
4. ONSD and its clinical implications, RAJISACON 2024, 15 September 2024, AIIMS Jodhpur

Hirok Roy

1. Transcranial Doppler, 32nd Annual National and 3rd International Conference of the Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON 2024, 19 April 2024, AIIMS, Jodhpur
2. Anaesthesia for intraoperative Neurophysiological monitoring, Annual CME 2024 of ISA Noida, 21 July 2024, Kailash Hospital and Neuro Institute, Noida
3. Anaesthetic management for cerebral aneurysmal surgery, Neuroanaesthesiology Class 2024, 10 August 2024, AIIMS, Mangalagiri
4. Transcranial Doppler: Basic Physics, Recent Advances in Critical Care RACC-2024, 24 August 2024, AIIMS, New Delhi
5. Immediate Trauma Life Support (ITLS): Chest tube drainage, 2nd Annual Conference of Society of Trauma Anaesthesia and Critical Care, 4 October 2024, Trauma Centre, IMS, BHU, Varanasi
6. Regional Anaesthesia (Head & Neck USG & PNS), 5th International and 15th National Conference of Indian College of Anaesthesiologists, 12 September 2024, King George's Medical University, Lucknow
7. Post operative care in Pituitary surgeries (Sodium Disorders and Endocrine Issues), Neuro Critical Care CME, 7 December 2024, Nagpur

TOTAL NUMBER OF LECTURES DELIVERED OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
32	60	38

List of oral papers/posters presented: 21

1. Chauhan R, Sokhal S, Sokhal N, Singh GP, A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage, 33rd Annual National and 4th International Conference of the Research Society of Anaesthsiology Clinical Pharmacology, 28 March 2025, 1AIIMS Bhatinda, Punjab
2. Chelani V, Kumar N, Sokhal N, Sokhal S, Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study, 26th Annual Conference of the Indian Society of Neuroanaesthesia and Critical Care, 26 January 2025, 1Kerala Arts and Crafts Village, Kovalam, Trivandrum, Kerala
3. Chouhan RS, Prasad CK, Seshan J, Chaturvedi A, Narang R, Effect of stellate ganglion block on cardiac rhythm in patients with acute aneurysmal sub-arachnoid hemorrhage with cerebral vasospasm: A holter-based

Preli-minary study. 2025 Annual Meeting presented by International Anesthesia Research Society (IARS) and the Society of Critical Care Anesthesiologists (SOCCA), 20-23 March 2025, Honolulu, Hawaii, USA

4. Dube SK, Barman SD, Chouhan RS, Rajagopalan V, Chaturvedi A. Does Surgical Position Influence the Intra-abdominal Pressure During Elective Neurosurgery? A Comparison Between Prone and Lateral Surgical Position (Presenter), 78th New York PG Assembly, 07 December 2024, New York, USA
5. Dube SK, Gupta N, Roy Choudhury S. Where is the midline? The Dilemma!! (Interesting Image Presentation) (Presenter), 5th Annual Conference of Neurocritical Care Society of India (NCSI 2024), 30 August 2025, Mahabalipuram, Tamil Nādu
6. Dube SK, Kandukury SP, Kapoor I, Prabhakar H. Effect of Fluid Therapy on Extra Vascular Lung Water After Lateral Position Craniotomy. A Prospective Randomized Study Comparing Goal Directed Vs Conventional Fluid Therapy. (Presenter), 5th Annual Conference of Neurocritical Care Society of India (NCSI 2024), 31 August 2025, Mahabalipuram, Tamil Nādu
7. Dube SK, Kandukury SP, Kapoor I, Prabhakar H. Comparison of Fluid Burden Between Dependent and Non-Dependent Lung During Lateral Position Craniotomy: A Prospective Randomized Study (Co Author), 8th Congress of Asian Society for Neuroanaesthesiology & Critical Care (ASNACC 2025), 28 February 2025, Bangkok, Thailand
8. Gupta S, Sokhal N, Pandia MP, Comparative study on incidence of airway related complications while using PVC tubes with a strategic cuff release maneuver versus armoured FMT endotracheal tubes in neurosurgical patients undergoing surgery in lateral position. 10Th World Congress of ERAS Society, 19 September 2024, Malaga, Spain
9. Gupta S, Sokhal N, Pandia MP, Electrolyte abnormalities in patients with severe head injury during ICU stay: A prospective Randomized Trial, 2024 World Critical Care & Anesthesiology Conference (2024 WCAC), 18 October 2024, Osaka, Japan (Online)
10. Kandukury SP, Dube SK, Prabhakar H, Kapoor I. Effect of intraoperative goal directed fluid therapy on extra vascular lung water after craniotomy in lateral position-a prospective randomized study, 4th AIIMS New Delhi (Research Day), 29 January 2025, Delhi
11. Kandukury SP, Dube SK, Prabhakar H, Kapoor I. Effect of intraoperative goal directed fluid therapy on extra vascular lung water after craniotomy in lateral position-a prospective randomized study, ASNACC 2025, 1 March 2025, Bangkok, Thailand
12. Kumar G, Rath GP, Mahajan C, Sokhal S, Effect of bilateral scalp block on intraoperative opioid consumption and postoperative pain in children undergoing supratentorial tumor surgery, 71st Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2024), 24 November 2024, 1 Patna, Bihar
13. Kumar N, Mahajan C, Roy H, Point-of-Care ultrasound to identify Frailty and predict outcomes in patients with traumatic brain injury: A prospective observational study, KoreAnesthesia 2024, 7-9 November 2024, Incheon, South Korea
14. Manyam U, Sokhal N, Goyal K, Dube SK, Gupta S, Yadav NK, Comparing the effect of fentanyl-midazolam versus ketofol for ICU sedation on neurological recovery in traumatic brain injury, 26th Annual Conference of the Indian Society of Neuroanaesthesia and Critical Care, 25 January 2025, Kerala Arts and Crafts Village, Kovalam, Trivandrum, Kerala
15. Manyam U, Sokhal N, Goyal K, Dube SK, Gupta S, Yadav NK, Comparing the effect of fentanyl-midazolam versus ketofol for ICU sedation on neurological recovery in traumatic brain injury, 8th Congress of Asian Society of Neuroanaesthesia and Critical Care (ASNACC 2025), 1 March 2025, Bangkok, Thailand
16. Pandia MP, Nandwana D, Sokhal N, Goyal K. Incidence & Risk Factors For Prolonged Icu Stay After Pituitary Surgery: A Prospective Study. IARS Annual Meeting 2025, 20-23 March 2025, Honolulu (USA)
17. Rath GP, Dube SK, Mishra N, Seshan J, Anesthetic Management of Children with Tetralogy of Fallot undergoing Evacuation of Brain Abscess, 52st Annual Meeting of Society for Neuroscience in Anesthesiology and Critical Care (SNACC 2024), 13 September 2024, Denver, USA
18. Salih MS, Singh GP, Sokhal N, Roy H, Gour SSk, To evaluate the correlation between non-invasive (NIRS and ONSD) and invasive (ICP catheter) techniques of ICP measurements in adults with traumatic brain injury – A prospective observational study. 8th ASNACC Congress 2025, 28 February-2 March 2025, Bangkok, Thailand

19. Sokhal N, Srinivasan R, Sokhal S, Singh GP, Pandia MP, Comparative study on incidence of airway related complications while using PVC tubes with a strategic cuff release maneuver versus armoured FMT endotracheal tubes in neurosurgical patients undergoing surgery in lateral position. Canadian Anesthesiologists' Society Annual Meeting 2024, 9 June 2024, Canada
20. Verma A, Pandia MP, Singh GP, Kuman N, Airway changes in patients undergoing spine surgery in prime position: A prospective observational study, 71st Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2024), 24 November 2024, 1 Patna, Bihar
21. Verma A, Pandia MP, Singh GP, Kuman N, Airway changes in patients undergoing spine surgery in prime position: A prospective observational study, 33rd Annual National and 4th International Conference of the Research Society of Anaesthsiology Clinical Pharmacology, 28 March 2025, 2 AIIMS Bhatinda, Punjab

Note: 1 (Best Paper Award), 2(Best Poster Award)

TOTAL NUMBER OF ORAL/POSTER PRESENTATIONS OVER PAST 3 YEARS

2022–2023	2023–2024	2024–2025
6	15	21

RESEARCH

Funded projects

Ongoing

1. Effect of Ketofol versus Fentanyl and Midazolam for ICU Sedation on Brain Injury Biomarkers in Moderate to Severe Traumatic Brain Injury Patients – A Prospective Randomized Controlled Study, Dr Suman Sokhal, AIIMS, 2 years, 2024-2026, Rs 8.50 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in aneurysmal subarachnoid hemorrhage patients
2. Airway Changes in Patients Undergoing Lumbar Spine Surgery in the Prone position: A Prospective Observational Study
3. Assessment of recovery profile in target controlled infusion versus manual controlled infusion of propofol in patients undergoing endoscopic transsphenoidal pituitary surgery: A prospective Randomized Study.
4. Brain ultrasonography for nEuro-prognostication in comatose adult survivors of cardiac arrest: Rivive trial
5. Comparison of effect of propofol versus ketofol on emergence from anaesthesia in patients undergoing elective supratentorial craniotomy: A prospective randomized double blind study supratentorial craniotomy
6. Comparison of Sugammadex versus Neostigmine for reversal of Rocuronium induced neuromuscular blockade in adult patients undergoing Elective Neurosurgery
7. Dynamic needle tip positioning versus short axis technique for ultrasound guided internal jugular venous cannulation in adult surgical patients: A randomized controlled trial
8. Effect of bilateral scalp block on Intraoperative opioid consumption and Postoperative pain in children undergoing Supratentorial craniotomy
9. Effect of dexmedetomidine on cerebral vasospasm associated biomarkers in patients undergoing elective craniotomy for intracranial aneurysms: a randomized controlled trial.
10. Effect of dexmedetomidine on oxidative stress and immune modulation in patients undergoing aneurysm clipping-a randomized controlled trial
11. Effect of Goal Directed Fluid Therapy on Postoperative Airway Parameters in Patients Undergoing Lateral Position Craniotomy Surgery.
12. Effect of Melatonin Premedication in Patients Undergoing Awake Craniotomies: A Randomized controlled trial.

13. Effect of sleeping pattern on preoperative anxiety and postoperative outcome in patients undergoing awake craniotomy for supratentorial tumors
14. Effect of systemic lidocaine and dexmedetomidine on perioperative analgesia and 3-month outcome in patients undergoing supratentorial craniotomy under inhalational anaesthesia: a randomized control trial.
15. Efficacy of oral melatonin premedication in reducing preoperative anxiety in patients undergoing supratentorial craniotomy
16. Evaluate effect of Decompressive craniectomy on jugular venous oximetry SjVO2 in traumatic brain injury patients
17. General anaesthesia versus Conscious sedation for endovascular Therapy in patients with acute ischemic Stroke due to Tandem Occlusion: a prospective observational study
18. Hepatic Injury Following Elective Craniotomy Surgery- A Prospective Observational Study.
19. Intraoperative complications during surgical correction of craniosynostosis in syndromic and non-syndromic children: a prospective, observational, comparative, preliminary study.
20. Near-infrared spectroscopy as a predictor of evaluation towards brain death following severe brain damage
21. Neurogenic shock in traumatic cervical spine injury – natural history and use of oral drugs as adjuncts in weaning off from intravenous vasopressors.
22. NeuRological outcomE of patients after cardiac arreST in neurOcritical caRE unit: The RESTORE Study
23. Neuroprognostication in critically ill neurologic patients – Existing practice in the Low- and Middle-income Countries
24. Neuroprognostication in critically ill pediatric patients with moderate to severe traumatic brain injury: a prospective study
25. Perioperative complications during surgical correction of craniosynostosis in syndromic and non-syndromic children: A prospective observational preliminary study.
26. The Effect of Perioperative Factors on The Outcome of Patients with Metastatic Brain Lesions undergoing neurosurgical intervention: A Retrospective Observational Study
27. To evaluate the correlation between non-invasive (NIRS and ONSD) and invasive (ICP catheter) techniques of ICP measurements in adults with traumatic brain injury – A prospective observational study.
28. Understanding the practice of Neuroanesthesia across the Low- and Middle-income Countries (Survey)

Completed

1. Comparing the effect of Fentanyl and Midazolam with Ketofol for ICU sedation on the extended Glasgow outcome scale at three months in moderate to severe traumatic brain injury patients -A prospective randomized study
2. Comparing the Effect of Fentanyl and Midazolam with Ketofol for ICU Sedation on the Extended Glasgow Outcome Scale at Three Months in Moderate to Severe Traumatic Brain Injury Patients –A Prospective Randomized Study
3. Comparison of 0.9% normal saline, stereofundin, and plasmalyte with respect to metabolic parameters and brain relaxation in patients undergoing supratentorial craniotomy: A randomized controlled trial.
4. Comparison of Intra-Abdominal Pressure (IAP) During Different Neurosurgical Positions.
5. Development of postoperative laryngeal edema as assessed by cuff leak test in patients undergoing craniotomy for elective intracranial tumour excision: A prospective, observational, preliminary study.
6. Early quantitative pupillometry index as a predictor of long term outcome in severe traumatic brain injury patients: a prospective observational study
7. Effect of age variability on clinical outcome of patients undergoing Awake Craniotomy
8. Effect of Intraoperative Goal-Directed Fluid Therapy on ExtraVascular Lung Water After Lateral Position Craniotomy. A Prospective Randomized Study.
9. Effect of Intraoperative Goal-Directed Fluid Therapy on ExtraVascular Lung Water After Lateral Position Craniotomy. A Prospective Randomized Double blinded Study

10. Effect of patient positioning for neurosurgical procedures on post-intubation laryngeal edema assessed by cuff leak test and laryngeal ultrasonography – A prospective, observational, preliminary study.
11. Effect of Sugammadex versus Neostigmine reversal on lung aeration score after operative fixation of cervical spine: A prospective, double blinded, randomized control trial.
12. Effectiveness of a Neurocritical Care Course with Problem-based learning and discussion format in Asia.
13. Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study
14. Impact of intraoperative juglar venous oximetrty based management on outcome in patients undergoing excision of intracranial meningiomas: a preliminary study.
15. Neurocritical Care Organization in the Low-income and Middle-income Countries
16. Opioid free anaesthesia for craniotomy in supratentorial tumors: A randomized controlled open labelled study
17. Opioid sparing Anesthesia Technique for supratentorial craniotomy in geriatric patients [OPIATE]: a randomized open labeled study
18. Point-of-Care ultrasound to identify Frailty and predict outcomes in patients with traumatic brain injury: A prospective observational study.
19. Role of Preoperative Anesthesia Counselling in the neursurgical patients: A randomized controlled open label study
20. Vventilatory strategies for patients with severe traumatic brain injury in the LOw- and Middle-Income CountrieS – VENTILOMICS Survey

Collaborative Projects

***Ongoing* (2 International Collaborative Studies)**

1. The MAGPIES Study – Mapping Global Surgery. It's a multicentric Study. Nodal Centre is Birmingham, UK.
2. Curing coma campaign acute coma pragmatic prospective observational (compose) study, Baylor St. Luke's Medical Center and College of Medicine, USA

Completed

1. Comparison of enhanced recovery after surgery [ERAS] protocol vs conventional care in patients undergoing elective craniotomy for intracranial aneurysms: A randomized controlled controlled trial, Neurosurgery

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	4	2	1
Total funding	Rs 12.81 Lakhs	Rs 13.20 Lakhs	Rs 8.50 Lakhs

Publications

Journals: 25 Abstracts:1 Chapters in Book:6 Books & Monographs:2

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Journal articles	39	25	25
Abstracts	0	0	1
Chapters in books	7	1	6
Books	1	0	2
Total	**47**	**26**	**34**

PATIENT CARE

Item	2022–2023	2023–2024	2024–25
Special Clinic Consultations (PAC/Pain Clinic)	8512/684	4942/710	4148/886
Operating room procedures	4110	3798	4774
ICU patient care	1850	2917	6677
OPD consultations	–	–	–
Patients provided rehabilitation services	–	–	–
Total inpatient admissions	–	–	–
Laboratory Investigations	–	–	–

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. **Second Prize** in NCSI 2024 in Award paper presentation; Effect of Sugammadex versus Neostigmine reversal on lung aeration score after operative fixation of cervical spine: a prospective, double blinded, randomized control trial
2. **Third Prize** in NCSI 2024 in Award paper presentation; To Evaluate The Correlation between Non-Invasive (NIRS and ONSD) and Invasive (ICP Catheter) techniques of ICP measurements in Adults with Traumatic Brain Injury (TBI)- A Prospective Observational Study
3. **First Prize** in ISACON 2024 in KOP'S National Award in Neuroanaesthesia category; Effect of bilateral scalp block on Intraoperative opioid consumption and Postoperative pain in children undergoing Supratentorial craniotomy
4. **Second Prize** in ISACON 2024 in KOP'S National Award in Neuroanaesthesia category; Airway changes in patients undergoing spine surgery in prime position: A prospective observational study
5. **First Prize** in ISNACC 2025 in VK Grover Best Paper Award; Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study
6. **First Prize** in RSACPCON 2025 in Basudev Kaushalya award (Neuroanaesthesiology Research); A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage
7. **Second Prize** in RSACPCON 2025 in Basudev Kaushalya award (Neuroanaesthesiology Research); Airway changes in patients undergoing spine surgery in prime position: A prospective observational study.

For individual faculty members

Professor Mihir Prakash Pandia was Chaired a session during 5th NCSI conference held in Chennai between 29 August 2024 to 1 September 2024. Chaired a session during the joint conference of 3rd world conference on comprehensive critical care (W4C) & Bronchopulmonary world congress held at Bhubaneswar between 14 September 2023 to 17 September 2023. Chaired a session during the conference ISNACC 2025 held in Trivandrum between 24 January 2025 to 26 January 2025. Chaired a session during the conference RSACPCON held in Bhatinda between 28 March 2025 to 30 March 2025. Judged a research presentation session during the conference RSACPCON held in Bhatinda between 28 March 2025 to 30 March 2025. Continuing as committee member of the constitution committee of Neurocritical care society of India.

Professor Girija Prasad Rath Continues to contribute as the Registrar of the Institute. Elected as the President-Elect for Education and Scientific Affairs of the Society for Neuroscience in Anesthesiology and Critical Care (SNACC, USA). Nominated as the Editor-in-Chief for the Journal of Neuroanaesthesiology and Critical Care (JNACC), the official journal of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC). Continue to contribute as the Chair of the Global Outreach Committee and member of the Scientific, Membership, Communication, and Strategic Affairs committees of the SNACC. Continue to contribute as the EXCO member (India) for the Asian Society of Neuroanaesthesia and Critical Care (ASNACC) and delivered two lectures during ASNACC 2025 in Bangkok, Thailand. Represented two national societies (ISNACC and NCSI) at Xian, China during the Joint Session of the Neurocritical Care Society (NCS) Asia Regional Chapter Meeting and delivered a lecture. Delivered two prestigious Orations at IGIMS, Patna, and JN Medical College, AMU,

Aligarh. Continue to contribute as an Editorial Board Member of the Indian Journal of Anaesthesia (IJA) and Neurology India. Continue to serve as the International Advisory Board Member of Anesthesiology and Pain Medicine (AAPM), and peer-reviewers of reputed international journals such as Minerva Anestesiologica, Journal of Neurosurgical Anesthesiology, Neurocritical Care, and Journal of Clinical Anesthesia.

Professor Indu Kapoor Cleared PhD Examination in Neuroanaesthesiology and neurocritical care from AIIMS New Delhi. Participating as a main investigator from India in an International study on COMA. Completed one international Survey on COMA management and participating as steering committee member in two International Surveys in Neurocritically ill patients involving Low middle income countries (LMICs). As a co-author in the study titled 'Comparison of Pulmonary Fluid Burden Between dependent and non-dependent Lung During Lateral Position Craniotomy: A prospective randomized study' received the Best Clinical Research Paper Award in ASNACC 2025 at Bangkok Thailand

Dr Surya kumar Dube Conducted workshop on Neuromonitoring (As course director) at Research Society of Anaesthesiology Clinical Pharmacology Annual conference (RSACPCON 2024), 19 to 21 April 2024. Jodhpur, Rajasthan, 21 April 2024. Conducted workshop on Brain Death Diagnosis and Organ donation (As course director) at 26th Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC 2025). Conducted workshop on Brain Death Diagnosis as part of World Brain Injury Awareness Day celebration at ABVIMS and RML Hospital, New Delhi, 20 March 2025. Member of SNACC (USA) Education committee and Patient Safety Group. Part of ISNACC Education Committee. Received ISNACC Research Grant 2024. Chaired a session "Mastering the Craft: Expert Techniques and Best Practices" in ISNACC 2025. Instructor ACLS, ATLS, BLS, ACCC, ANC. Reviewer for Indian Journal of Anaesthesia, Journal of Neuroanaesthesiology and Critical care, Clinics (Sao Paulo), Neurology India, Neurocritical care

Dr Suman Sokhal Our paper received First Prize in ISACON 2024 in KOP'S Award, Neuroanaesthesia category; Effect of bilateral scalp block on Intraoperative opioid consumption and Postoperative pain in children undergoing Supratentorial craniotomy. Our paper received V K Grover Best Paper Award in ISNACC 2025; Effects of varying concentrations of Nitrous Oxide on motor evoked potentials using IONM during spine surgeries: A double blinded Randomised Controlled Study. Our paper received First Prize in Basudev Kaushalya award (Neuroanaesthesiology Research) in RSACPCON 2025. "A prospective randomized study to determine the effect of perioperative stellate ganglion block on cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage. I was invited as a chairperson in session of "Brain aerobics" on 14th September at RAJISACON, Jodhpur. I was invited as Examiner of BSc Anaesthesia Technology Course 3rd year on 22 November 2024 at AIIMS, Rishikesh. I was invited as a judge in paper/poster session in "19th Annual Workshop on Perioperative and Critical Care. Echocardiography" organized by department of Anesthesiology & Critical Care, AllMS, Jodhpur (Rajasthan) on 22-23 March 2025

Department of Neurobiochemistry

Additional Professor

Ashok Sharma

Staff Neurobio Chemistry Lab Staff

Sr Technical Officer

Archana Bansal Khoob Chand Bimla Bhatt

HIGHLIGHTS

The Department of Neurobiochemistry, AIIMS has spearheaded the reintroduction and development of several advanced molecular diagnostic services at the Neurobiochemistry Lab in Neuroscience Center (NSC) and Molecular Diagnostic Lab in National Cancer Institute (NCI), such as paraneoplastic marker profiling, NMO and MOG antibody testing, and HPV genotyping, significantly benefiting underprivileged cancer patients. Dr. Sharma is also leading the establishment of next-generation sequencing (NGS)-based gene panels for both solid and hematological malignancies. With a strong translational focus, Dr. Sharma is deeply involved in developing a state-of-the-art Translational Research Centre at NCI/AIIMS, Jhajjar. This effort is supported by the prestigious DBT–NCI/AIIMS Translational & Clinical Research Centre Grant, for which Dr. Sharma serves as Principal Investigator, securing a total funding of ₹40 crores, with an additional ₹10 crores under review to further strengthen this transformative initiative. Dr. Sharma is also working on including breast cancer and ovarian cancer EHR proformas in the iOncology.ai platform. *iOncology.ai platform* (https://ioncologyai.aiims.edu): In a MeitY-funded collaborative project between All India Institute of Medical Sciences (AIIMS), New Delhi, and Centre for Development of Advanced Computing, India (CDAC), Pune, we developed an AI platform named as – "*iOncology.ai*" (https://ioncologyai.aiims.edu) which facilitates data collection, collation and analysis of clinical data. This platform is especially dedicated to capturing oncology-related clinical data. This platform is equipped with Artificial Intelligence-based models that assist in cancer diagnostics and therapeutics. *iOncology.ai* has been installed in several district hospitals in 5 states.

EDUCATION

No. of short-term/long-term trainees 18

- Guided ten postgraduate students for observational summer training.
- Mentored five undergraduate students through the UG Mentorship Program.
- Supervised three UG students who received the prestigious ICMR-STS Fellowship.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 9

Ashok Sharma

1. Invited as a Keynote Speaker on the occasion of its 20th anniversary, it has completed 20 years of its establishment to grace the occasion and inspire the faculty and students. 21st Foundation Day of the Institute of Science at Nirma University, 6 September 2024, Gandhinagar
2. The iOncology.AI Platform: An AI-based Platform for the Early Detection of Gynaecological Cancer, First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.
3. The iOncology.ai Platform: Transforming Breast Cancer Diagnosis Through Novel Biomarker Discovery, International Conference on "Advancements in Diagnostic Technologies: Global Healthcare Monitoring", November15-17 November 2024, MNNIT, Parygraj
4. The iOncology.ai Platform: Transforming Ovarian Cancer Diagnosis Through Novel Biomarker Discovery, Golden Jubilee Conference of the Association of Clinical Biochemists of India (ACBICON 2024), 5-7 December 2024, Hotel Mount View, Chandigarh.
5. Delivered an Invited keynote Lecture for Faculty and students with recent trends and technology on "Innovative Approaches in Cancer Prevention and Treatment: Shaping the Future of Oncology", Department of Biotechnology, Jaipur National University, 11 January 2025. Jaipur,
6. Lecture in the Residential Faculty Induction Programme, UGC-Malaviya Mission Teacher Training Centre, JNU (formerly UGC-HRDC), 23 January 2025, JNU, New Delhi

7. "Innovative Approaches in Cancer Prevention and Treatment: Shaping the Future of Oncology", 2nd edition of the GIS (Global Immunology Summit), 13-15 February 2025, BRIC-Translational Health Science and Technology Institute (THSTI) India
8. Emerging Trends and Future Directions. Transforming Cancer Diagnosis, Prevention, and Treatment: Innovative Approaches with the iOncology.ai Platform, Department of Biotechnology and Bioengineering, Institute of Advanced Research (IAR), 28 February-1 March 2025. Gandhinagar
9. Delivered an invited talk at the 5th International Global Cancer Consortium, Amity University, 28 March 2025, AMITY NOIDA campus

Total number of lectures delivered:

2022–2023	2023–2024	2024–2025
12	10	09

List of oral papers/posters presented: 20

1.*** Alisha Behera, Nisha Manav, Rashmi Gupta, Subhadip Kundu, Bimal Prasad Jit, Ashok Sharma. POTE Proteins in Epithelial Ovarian Cancer: Emerging Biomarkers for Precision Medicine. (Best Poster Presentation), National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,

2.# Bimal Prasad Jit, Subhaddep Kundu, Nisha Manav, Rashmi Gupta, Santosh Kumar, Alisha Behera, Heena Pandya, Ashok Sharma. POTEE a potential regulator of the Notch1 signaling pathway and governs oncogenic phenotype in epithelial ovarian cancer. (Oral Presentation). National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,

3.# Bimal Prasad Jit, Subhadip Kundu, Nisha Manav, Rashmi Gupta, Santosh Kumar, Alisha Behera, Heena Pandya, Ashok Sharma, POTEE-Notch1 signaling cross-talk: A potential Regulator of signaling pathway and controls oncogenic phenotype in epithelial ovarian cancer. (Oral Presentation), First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.

4.*** Gupta R Jit BP, Bansal B, Ray MD, Sharma A, POTE as potential therapeutic targets for epithelial ovarian cancer (EOC), (Best Poster Award)(1st prize), OFCON, 18-19 January 2025, Indraprastha Apollo Hospital, New Delhi, India.

5. Gupta R, Bimal Prasad jit, Ray MD, Sharma A, Epigenetic Potentiation in Dendritic Cell-Based POTE Vaccination: A Promising Strategy For Advancing Ovarian Cancer Immunotherapy", 4th AIIMS Research Day, 28-29 January 2025, AIIMS New Delhi

6. Gupta R, Ray MD, Sharma A, Epigenetic Potentiation in Dendritic Cell-Based POTE Vaccination: A Promising Strategy for Ovarian Cancer Immunotherapy. Global Immunology Summit-, 13 February 2025, THSTI, Faridabad, India.

7. Heena Pandya, Bimal Prasad Jit, Sahar Qazi, Subhadip Kundu, Nisha Manav, Rashmi Gupta, Santosh Kumar, Ashutosh Mishra, Atul Batra, Dindyal Mandal, Ashok Sharma. Exploring the role of miRNA in Modulating Cancer-Testis Antigen POTEE Expression in Breast Cancer Cells. ACBICON 2024, 4-7 December 2024, Chandigarh, India.

8. Heena Pandya, Bimal Prasad Jit, Sahar Qazi, Subhadip Kundu, Nisha Manav, Rashmi Gupta, Santosh Kumar, Ashutosh Mishra, Atul Batra, Dindyal Mandal, Ashok Sharma. Investigating the role of miRNA in the regulation of POTEE Expression in Breast Cancer. National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,

9.**** Heena Pandya, Bimal Prasad Jit, Sahar Qazi, Subhadip Kundu, Nisha Manav, Rashmi Gupta, Santosh Kumar, Ashutosh Mishra, Atul Batra, Dindyal Mandal, Ashok Sharma. Sharma. Unveiling miRNA's Role in Regulating Cancer-Testis Antigen POTEE Expression in Breast Cancer Cells. (2nd Prize -oral presentation), First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at the University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.

10.** Kuma S, Sherawat S, Mishra A, Batra A, Deo SVS, Sharma A, Unveiling the biomarker and therapeutic promise of lncRNA AC092718.4 in breast cancer. Best Poster Presentation (2nd Prize), GLOBAL CANCER CONSORTIUM CONFERENCE (GCCC), 28-31 January 2025, Noida, India.

11. Kundu S, Qazi S, Manav N, Gupta R, Jit BP, Sharma A*, Reshaping of the genome–nuclear lamina interaction and modulation of the epigenome in response to platinum-based chemoresistance in ovarian cancer. 4th AIIMS Research Day, 28-29 January 2025, AIIMS New Delhi
12. Kundu S, Qazi S, Manav N, Gupta R, Jit BP, Sharma A. Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming in Cisplatin-Resistant Epithelial Ovarian Cancer. ACBICON 2024, 4-7 December 2024, Chandigarh India.
13.*** Kundu S, Qazi S, Manav N, Gupta R, Jit BP, Sharma A*. Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming in Cisplatin-Resistant Epithelial Ovarian Cancer. Best Poster Presentation (1st prize), GLOBAL CANCER CONSORTIUM CONFERENCE (GCCC), 28-31 January 2025, Noida, India.
14.#Qazi S, Ali R, Pandya R, Sharma D, Ashok Sharma*, iOncology.ai: An AI powered electronic health record (EHR) cum clinical decision support system (CDSS) for early detection of ovarian and breast cancers. (ORAL PRESENTATION). TiE Global Summit 2024, 09-11 December 2024, BIEC, Bangalore, India.
15. Rashmi Gupta, Bimal Prasad jit, Babul Bansal, MD Ray, Ashok Sharma. Epigenetic Potentiation of Dendritic Cell-Mediated POTE Vaccination as a Promising Immunotherapeutic Strategy For Human Ovarian Cancer. (Runner Up award in GPT Young Scientist Award), IISC Bangalore, 17-20 October 2024, Bangalore.
16. Rashmi Gupta, Bimal Prasad jit, MD Ray, Ashok Sharma. POTE CTA family: A potential vaccine candidate for DC-mediated immunotherapy in EOC. National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,
17. Rashmi Gupta, Bimal Prasad jit, MD Ray, Ashok Sharma. POTE protein family: A potential vaccine candidate for DC-mediated immunotherapy in advanced EOC. First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at University of Kashmir, 22-24 October 2024, Srinagar, Kashmir, India.
18. Santosh Kuma, Surender Sharawat, Ashutosh Mishra, Atul Batra, SVS Deo, Ashok Sharma. Functional and Clinical Insights into AC092718.4 Expression in Breast Cancer. ACBICON 2024, 4-7 December 2024, Chandigarh, India.
19. Subhadip Kundu, Ashok Sharma, Chemoresistance In Epithelial Ovarian Cancer: A Focus on Genome-Wide Lamina-Associated Domains (LADs) - Nuclear Lamina Alterations and Epigenetic Reprogramming. First J&K International Conference on Breast Cancer & Awareness cum Screening Camp at the University of Kashmir. 22-24 October 2024, Srinagar, Kashmir, India.
20.***** Subhadip Kundu, Sahar Qazi, Nisha Manav, Rashmi Gupta, Bimal Prasad Jit, Ashok Sharma. 1. Chemoresistance in Epithelial Ovarian Cancer: A Focus on Genome-Wide LAD-Nuclear Lamina Alterations and Epigenetic Reprogramming. (Best Oral Presentation Award), National Conference on Emerging Trends in Cancer Prevention and Therapeutic Interventions, 25-27 September 2024, Bathinda India,

*******Best Oral Presentation Award (1st prize) = 1**

******Best Oral Presentation Award (2nd prize) = 1**

***** Best Poster Presentation (1st prize) = 3**

**** Best Poster Presentation (2nd Prize) = 1**

***Runner Up award in GPT Young Scientist Award = 1**

#Oral Presentation = 3

Total number of oral/poster presentations:

2022–2023	2023–2024	2024–2025
12	14	20

RESEARCH

Funded

***Ongoing* = 4 Total Budget =~16.692 Crores**

1. A pilot study evaluating role of homeopathic medicine in cancer patients as adjuvant treatment to chemotherapy/ radiotherapy and correlating with molecular profiling, Dr Ashok Sharma, DBT, 03 Yyears, 2023-2026, Rs ~1 Crores/-
2. Boron-based therapeutics against RNA viruses and associated post-infection arthritis in chikungunya infection- a preclinical evaluation, Dr. Ashok Sharma, ICMR-GOI, 3 years, 2024-2027, Multicentric Project of total cost Rs. ~2.5Crores/-

3. DBT NCI-AIIMS Translational Cancer Research Centre, Dr Ashok Sharma, DBT, 5 Yyears, 2023-2028, Rs 10 Crores (Under Process) out of 40 Cr (Principally Approved)
4. Study the efficacy of Cancer Healer Therapy Polyherbal Formulation and uncover its anticancer potential in Breast and Ovarian cancer cell lines", Dr. Ashok Sharma, Cancer Healer Centre, 1 years, 2024-2025, Rs 27.2 Lakhs

***Completed:* 3**

1. Artificial intelligence in Oncology: Harnessing big data and advanced computing to provide personalized diagnosis and treatment for cancer patients, Dr Ashok Sharma, MeitY, 3 years, 2020-2024, Rs 291.67 Lakhs

Departmental Projects (including thesis/dissertations): M.Sc/MD/Ph.D/Women Scientist/Postdoc/UG Mentorship/ MBBS ICMR-STS Fellowship/MBBS AIIMS Summer fellowship/Summer trainee for students:

Ongoing

1. Decoding the Biomarker Potential of POTEE in Breast Cancer
2. Developing a methylation landscape using systems biology and functional genomics approach for Lung Cancer
3. Elucidation of HLA-A2 protein structure in complex with Prostate, Ovary, Testis and Embryo (POTE) peptide. (S/7471/2024)
4. Elucidation of the Functional aspects and underlying Epigenetic Regulation of POTEB in Ovarian Cancer. (P-2018/14779)
5. Functional Analysis of Human Long Non-Coding RNAs (lncRNA) and their Association with Spatial Genome Organization in Cancer. (P JanuaryJanuary 01 2021/14956)
6. Genome wide analysis of microRNA mediated regulation of Cancer Testis Antigen POTE in Triple Negative Breast Cancer" (DST/WOS-A/LS-266/2021)
7. Harnessing Artificial Intelligence mediated algorithms for identifying epigenetic patterns in Non – Small Cell Lung Cancer
8. Immunotherapeutic potential of novel Prostate, Placenta, Ovary, Testis- Expressed (POTE) Antigen in ovarian cancer. (P/136/19)
9. Molecular Mechanism of Cancer-Testis/Germline Antigen POTEB/B2 in Ovarian Cancer (P–1-2023/15081)
10. Randomized controlled trial to assess the effect of riboflavin supplementation with antidepressant treatment in persons with major depressive disorder
11. Revelation of functional interplay between Prostate Ovary Testis Embryo protein (POTE) member E and Notch signaling cross-talk in understanding the platinum resistance phenotype in epithelial ovarian cancer.
12. Study on 3D genome architecture as an epigenetic regulator of pericentromerically localized cancer-testis/ germline antigen POTE in cancer. (P-2018/14773)
13. Study the Effect of CoX (Cyclooxygenase) Inhibitor on Cancer-Testis Antigen (POTE) in the Ovarian Cancer, (No.F.5-59/IRG/2010/RS)
14. Study the Genomic Imprinting and the Regulation of Cancer-Testis antigen POTE in Ovarian Cancer. (S/7160/2024)
15. To explore the Notch/Cancer testis antigen POTEE signaling axis in chemoresistant relapsed ovarian cancer patients derived organoid/cell model (F No:ICMR-5/3/8/31-ITR-F/2022-ITR)
16. To explore the potential of herbal compounds as effective treatment for Lung cancer: An in-silico study

Departmental Projects (including thesis/dissertations): M.Sc/MD/Ph.D/Women Scientist/Postdoc/UG Mentorship/ MBBS ICMR-STS Fellowship/MBBS AIIMS Summer fellowship/Summer trainee for students:

Completed

1. An AI powered functional genomics and systems biology approach to detect the epigenetic signature patterns in ovarian cancer.
2. Cisplatin induced chemoresistance modulates nuclear lamina and cancer epigenome architecture in epithelial ovarian cancer

3. Decoding the efficacy of homoeopathic plant extracts in ovarian cancer treatment through in-silico analysis.
4. Elucidation of functional Interplay and polymorphism of POTE Protein/Notch signaling axis and its association with clinical phenotype in epithelial ovarian cancer.
5. Elucidation of POTE (Prostate, Ovary, Testis and Embryo) Protein expression by in sillico and In vitro Approach in Ovarian Cancer.
6. Role of Repressive histone modifications on nuclear architecture
7. To determine the association between cancer testis antigen expression and immune cell distribution in patients with ovarian cancer
8. To investigate the effect of epigenetic modulation on resensitizing platinum resistance in EOC.
9. To investigate the impact of monoclonal antibody therapy on expression of cancer testis antigen CTA, POTE in Ovarian Cancer.
10. To investigate the impact of Naproxen and diclofenac on cancer testis antigen Notch (1, 2, 3) in platinum sensitive and resistance ovarian cancer.
11. To understand the impact of diclofenac on the expression of POTE in ovarian cancer
12. Training on iOncology.ai platform- Breast Cancer
13. Training on iOncology.ai platform-Ovarian Cancer

Collaborative projects

Ongoing

1. Development of novel cancer immunotherapy by incorporating cancer/testis antigen NY-ESO-1 into Mycobacterium indicus pranii and evaluation of its antitumor efficacy and immune mechanisms using a mouse tumor model, DRBRAIRCH, AIIMS
2. Randomized, Open labelled, Phase IIa/IIb Clinical trials to study the safety and efficacy of intravenous estrogen therapy in reducing the incidence of sepsis/septic shock in Trauma Hemorrhagic Shock patients", ICMR, 70L, Department of Emergency Medicine, AIIMS

Collaborative projects

Completed

1. Clinical and radiologic profile, risk associations, caregiver burden and clinical outcomes in early and late onset dementia, Department of Neurology, CNC, AIIMS, New Delhi
2. Effect of NHE-1 blocker, Cariporide on initiation of return of spontaneous circulation in hypoxic cardiac arrest rat model, Department of Emergency Medicine, AIIMS, New Delhi
3. Effect of sodium-hydrogen channel (NHE-1) inhibitor in hypoxic cardiac arrest, Department of Emergency Medicine, AIIMS, New Delhi
4. Role of Epigenetics and Immune Factors in Female Genital Tuberculosis, Department of Gynaecology, AIIMS, New Delhi
5. Role of M1 macrophage on DNA methylation and PI3K-AKT signaling pathway analysis in tumor-associated Mesenchymal stem cell in Breast Cancer, Department of Biochemistry, AIIMS, New Delhi
6. To Investigate the role of Natural Killer cell in implantation failure and to study immunomodulatory effects of Intralipids in women with elevated uterine Natural Killer Cells in Fresh non-donor IVF cycles-A Randomized control Tria, Department of Gynaecology, AIIMS, New Delhi
7. Urinary novel microRNAs as a biomarker for prediction of acute kidney injury in sepsis, Department of Emergency Medicine, AIIMS, New Delhi

RESEARCH OVER THE PAST 3 YEARS (AS A PI)

Research project	2022–2023	2023–2024	2024–2025
Total funded projects	01	01	02
Total funding	10,00,000/-	10,00,000/-	2.77 Crores

December December December Publications

Journals: 7 Abstracts: 4 Chapters in Book: 5

Publications over past 3 years

Item	2022–2023	2023–2024	2024–25
Total	12	36	16
Journal Articles	12	7	7
Abstracts	0	26	4
Chapter in books	0	03	5
Books		0	0

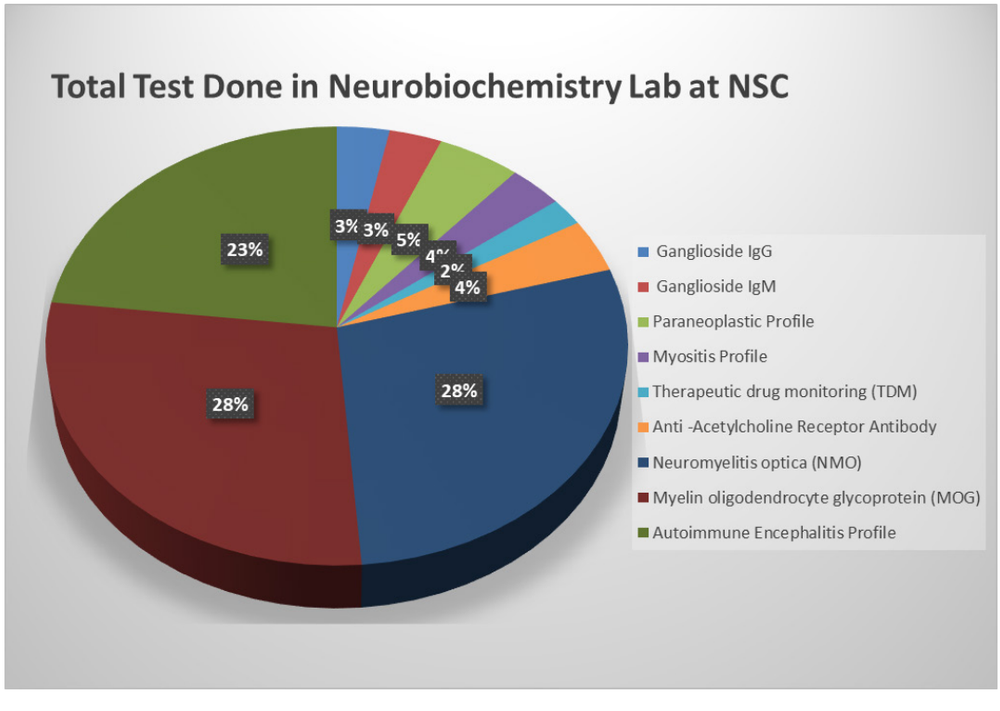
Patient Care Services:

Routine Diagnostic Services at the Neuroscience Center: (OPD + WARD)

Total Blood Collection = 1, 09, 180

Special Diagnostic Services at the Neuroscience Center: (OPD + WARD)

1. Ganglioside IgG = 92
2. Ganglioside IgM = 92
3. Paraneoplastic Profile = 145
4. Myositis Profile = 94
5. Therapeutic drug monitoring (TDM) = 60
6. Anti-Acetylcholine Receptor Antibody (Anti Achr Ab) = 115
7. Neuromyelitis optica (NMO) = 815
8. Myelin oligodendrocyte glycoprotein (MOG) = 815
9. Autoimmune Encephalitis Profile = 671



AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. *Invited as a **guest speaker and expert panelist** at the event titled "Combating Cancer: Medical Strategies and Solutions in India", focused on strengthening the fight against critical diseases such as cancer and cardiovascular conditions. The event was organized by **Onlymyhealth.com**, the digital health platform of **Jagran New Media**, and was held on **March 26, 2024 in New Delhi**.*

2. *Participated in an online interview to raise awareness about the **HPV vaccine** as a preventive measure against **cervical cancer**, organized by **Onlymyhealth.com**, a health initiative by **Jagran New Media**. was held on **February 21st, 2024 in New Delhi**.*

Conference/workshop/seminar Organized.

1. Organized Scientific talk of Professor Sudipta Seal, University Distinguished Professor and UCF Pegasus Professor, entiled, Redox-active nanoceria: Implications in Angiogenesis. at Board Room, Administration Block, NCI/AIIMS, New Delhi, February 21, 2025.

Research work in News and Media:

- A press note was released by the AIIMS media Cell on "Research Day" about our showcased upgraded product, "iOncology.ai Platform, " with Wonderx, which was covered by DD News in the Morning hour show and Top News and other leading media houses.
    1. https://youtu.be/VbQpRF92Rnw?si=Vs2Z0f-QkyoEq3m0
    2. https://epaper.topstory.online/epaper/edition/2443/jan/page/2
- We are honored as team to received the prestigious "The Mint All About AI | Tech4Good Awards 2024 (Gold Category), " sponsored by Salesforce. This recognition celebrates the All India Institute of Medical Sciences (AIIMS) for iOncology.ai, under the category "Best Use of AI in Health and Sanitation.
- (https://www.livemint.com/ai/all-about-ai-tech4good-awards-recognise-aiims-and-wadhwani-institute-for-ai-led-solutions-in-health-and-sanitation-11734629721189.html)

Editorial and Review Work:

1. Editorial Board of Cell Biochemistry & Function-2024- Wiley-Blackwell
2. Editorial Board of Discover Oncology-2024- Springer Nature

Department of Neuroimaging and Interventional Neuroradiology

Professor and Head

SB Gaikwad

Professor

Ajay Garg

Professor (on sabbatical)

S Leve Joseph Devarajan

Assistant Professor

Savyasachi Jain

HIGHLIGHTS

- A state-of-art 128 slice dual energy CT scanner installed replacing the 10-year-old 6-slice CT scanner.
- With the new CT low-dose CT protocols with modelled iterative reconstruction, a dose reduction potential of up to 60% & faster acquisition in clinical routine are now possible with the best image quality ensured. This has enhanced patient compliance, especially in children and where breath hold acquisition is required.
- CT Fluoroscopy to help guided- biopsies and CT perfusion to assess cerebral perfusion especially in acute stroke have been started with the installation of the new CT scanner.
- The existing 1.5T MR was upgraded to 'silent MR' system which has helped perform silent MR protocols which reduce patient's anxiety during scan; reduce scan time and incidence of rescans as the patients are relaxed and cooperate to stay still during long examinations. The high gradient coil switching noise of previous system was a serious bother for many patients, especially during high-end acquisition techniques. With the upgrade, this irritant is largely removed and wide bore of the magnet has reduced claustrophobia in patients significantly.
- PACS network operational in wards & OPD rooms of NSC with upgrade of the PACS server & installation of viewing stations in wards, ICUs & thin clients in OPD rooms with Wi-Fi access. Reporting of all neuro-imaging procedures made on-line with improved organization of the reporting room, making it easier to report, edit, sign out & network all studies on-line. Auto-requisitioning enabled from NSC wards on-line for CTs, MRIs, US & DSAs etc. Auto fetching of case records from PACS enabled for neuroradiology conferences. Private imaging films digitized and integrated into PACS on registration of patient UHID.

EDUCATION

Undergraduates: Provided materials & guidance to faculty for UG lectures and seminars for 6th semester MBBS students on topics: Introduction to Neuroradiology techniques, basics of brain tumour imaging, stroke imaging and congenital anomalies of the CNS. Basics of neuro imaging interpretation taught during their elective posting in neuroradiology.

Postgraduates: Post graduate students of M.D. Radiology posted in the department of Neuroradiology on rotation are trained on reporting neuroimaging (CT & MRI) & introduced to all neuroimaging protocols & are encouraged to perform them under supervision of the faculty. D.M (Neuroradiology) students are trained to perform all neuroimaging procedures & assist in interventional therapeutic neuroradiology procedures, which are then discussed with them on daily basis. They are also trained to take post procedure care and management of patients undergoing neuro-interventional therapeutic procedures in the ICUs and wards. Seminars, journal clubs & case discussions are organized routinely for their orientation to the current developments & improve their iterative skills. Senior residents regularly present neuro-radiological findings in interdepartmental conferences with Neurology and Neurosurgery departments daily which allow them to understand clinical neuroimaging interpretation skills and the art of presentation. They are posted in the biplane Neuro-interventional suites for at least one year on a rotational basis and are trained on neuro-angiographic and neuro-interventional skills.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 26

SB Gaikwad: 13 **Ajay Garg: 11** **Leve Joseph: 2**

SB Gaikwad

1. Thrombectomy Technique: The Clot retrieval, Stroke Symposium: Brainwaves To Breakthroughs, VMMC & Safdarjung Hospital, 19 April 12pm to 4pm, 2024, New Delhi, India

2. Imaging in deep brain stimulation (DBS) in pain, Workshop and Symposium on Neuromodulation in Pain. Department of neurosurgery, AIIMS, NSC, 3-5 May 2024, New Delhi
3. Invited to chair a scientific session on Emerging Paediatrics: Back to the future. 62nd American Society of Neuroradiology (ASNR) Annual Meeting, 18-22 May 2024, Caesars palace, Las Vegas, Nevada, USA
4. Flow diverters in complex Aneurysms, ISNR Mid-Term CME, 28 July 2024, The Lalit, Jaipur, Rajasthan
5. 1. To chair a session on "Neurointervention"2. To conduct hands-on workshop on Flow diverters in Aneurysm management, SLICE (Seminar for Learning Innovative and Cutting-edge Endovascular Techniques) Indian workshop on Brain Aneurysm. For the first time in Asia, this international training course (French group) was organised. 12-13 September 2024, Westin Hotel, Gurugram
6. Diffusion Weighted Imaging: Role Beyond Stroke, Dr. Harnam Singh Mid-Term CME, Theme-Neuro & Spine Imaging, Gujarat state chapter. 21-22 September 2024, The Fern Sardar Sarovar Resort, Statue of Unity, Kevadia, Gujarat
7. Techniques in Tackling Tandem Occlusions, Mid-Term CME, Indian Society of Neuroradiology, 19-20, October 2024, Ramada Resort, Kochi, Kerala
8. Acute ischemic stroke- interventions, Society of Paediatric Neuroimaging, 25-27 October 2024, Goa
9. Panel discussion on: Advancing Stroke Care-Bridging Gaps & Transforming Outcomes". National Stroke Summit 2025 under the aegis of World stroke organisation. Invited as key domain expert in stroke management, 22 January 2025, FICCI Auditorium, New Delhi
10. Workshop on hands-on training on carotid stenting, 2. 23rd Asian Oceanian Congress of Radiology & 77th Annual conference of IRIA, 23-24 January 2025, World Trade Centre, Chennai, Tamil Nadu
11. Carotid Angioplasty & Stenting. How I do it? 23rd Asian Oceanian Congress of Radiology & 77th Annual conference of IRIA, 23-24 January 2025, World Trade Centre, Chennai, Tamil Nadu
12. Presidents address during inaugural function of the conference on 21 February. 26th Annual Conference of "Indian Society of Neuroradiology", 21-23 February 2025, NIMHANS Bangalore
12. Delivered lecture on, "Carotid stenting: Evidence, case selection and procedure' on 22 February. 26th Annual Conference of "Indian Society of Neuroradiology", 21-23 February 2025, NIMHANS Bangalore
12. Chaired the EC & GBM on 21-22 February respectively. 26th Annual Conference of "Indian Society of Neuroradiology", 21-23 February 2025, NIMHANS Bangalore
13. Indigenous Development of MRI scanner & other devices: Requirements from the perspective of Neuroradiologists, Department of NMR AIIMS & Society for Applied Microwave Electronics Engineering & Research (SAMEER), Ministry of Electronics & Information Technology (Meity), Govt. Of India, 25 March 2025, Dr. Ramalingaswami Board Room, AIIMS, New Delhi

Ajay Garg

1. Recent MR Advances in the diagnosis of Brain Metastasis, 15th Annual National Conference of Indian Society of Neuro-Oncology (ISNOCON), 5-6 April 2024, Radisson Red, Chandigarh Mohali
2. The MRI in CNS demyelination: how to read, assess and interpret, Autoimmune Subsection of the Indian Academy of Neurology, 20 July 2024, Online
3. Approach to REL on MRI, IAN Neuroradiology Course, August11 August 2024, Online
4. Imaging Approach to Ring-Enhancing Lesions of the Brain, Wednesday Webinar of Indian College of Radiology, 15 August 2024, Online
5. Imaging in Paediatric Epilepsy, 22nd Annual Conference of Indian Society of Pediatric Radiology (ISPR), 21-22 September 2024, Atal Bihari Scientific Convention Centre, Lucknow
6. Imaging in Epilepsy, CREST Neuro-Conclave 2025, from 9-12 January 2025, New Delhi
7. Imaging in Intracranial Infections, IAN Neuroradiology Course, 11 January 2025, Online
8. Imaging Approach to Ring-Enhancing Lesions of the Brain, CME Programme of our annual conference APICON 2025, 23 January 2025, Online
9. What is New-WHO 2021 Classification: Pediatric Brain Tumors, 23rd AOCR & The 77th Annual Conference of IRIA 2025, 26 January 2025, Vibrant City, Channai

10. Imaging of Cerebral Tumours, 7th Radiology Annual Conference of Nepal, 7-8 March 2025, Biratnagar, Koshi Province Nepal
11. Imaging of Cerebral Infections", 7th Radiology Annual Conference of Nepal, 7-8 March 2025, Biratnagar, Koshi Province Nepal

Leve Joseph

1. Bleed after IVT and MT – management, Asian Stroke Summer School, 2024, 11-14 July 2024, Thiruvananthapuram
2. Carotid Artery Stenting- Case Based scenarios, Annual CME of Delhi state chapter of ISVIR, 25 August 2024, New Delhi

LIST OF ORAL PAPERS/POSTERS PRESENTED

1. Pseudophlebitis Pattern in primary CNS vasculitis, 62th Annual Meeting of the ASNR 2024, 18-22 May 2024, Caesars Place, Las Vegas USA

RESEARCH

Funded

Ongoing

1. Clinical and radiological spectrum of anti-IgLON5 disease and its predictors in neurodegenerative phenotypes of progressive supranuclear palsy and frontotemporal dementia, Prof Ajay Garg & Prof Achal Srivastava, Intramural, 2 years, 2024-2026, Rs 10 Lakhs
2. GRASSROOT STUDY (Gravity Stent-Retriever System of Large Vessel Occlusion stroke trial). Multicentric, study the safety and efficacy of the novel stent-retriever in Indian population, Dr. Shailesh B Gaikwad & Dr. Deepti Vibha, Gurutva Medical Technology Pvt Ltd, One1 year, 2024, Rs 2 Lakhs

Completed

1. Development of an imaging-based algorithm for classification of subtypes of Neurodegeneration with Brain Iron Accumulation (NBIA), Prof Ajay Garg & Professor Achal Srivastava, Intramural, 2 years, 2022-2024,

Departmental projects (including thesis/dissertations)

Ongoing

1. Is ASPECTS relevant in contemporary acute stroke practice? A Delphi Consensus Study by the India-Australia Stroke Collaboration
2. Pediatric neurovascular interventions at AIIMS: A retrospective analysis
3. Perfusion MRI in Pediatric Brain Tumors: A Retrospective Study
4. The Role of Amide Proton Transfer (APT) Imaging and its Comparison with DSC MR Perfusion Technique in the Differentiation of Treatment-related Changes from Tumor Recurrence in High-grade Gliomas
5. The Role of Amide Proton Transfer (APT) Imaging and its Comparison with DSC MR Perfusion Technique in the Differentiation of Treatment-related Changes from Tumor Recurrence in High-grade Gliomas

Completed

1. Radiogenomics in Glioblastoma
2. Utility of magnetic resonance imaging in the evaluation of myopathies and correlation with genetic studies

2. Co-Investigator-

Collaborative projects

Ongoing

1. A multicenter, international, randomized, placebo controlled, double-blind, parallel group and event driven Phase 3 study of the oral FXIa inhibitor asundexian (BAY 2433334) for the prevention of ischemic stroke in male and female participants aged 18 years and older after an acute non-cardioembolic ischemic stroke or high-risk TIA, Neurology

2. A phase III randomized double blind, efficacy and safety study comparing SCAR442168 to placebo in participants with primary progressive Multiple Sclerosis (PERSEUS), Neurology
3. A Population-Based Prospective Cohort Study to Unravel the Causes of Stroke and Cognitive Decline: A cross-cultural perspective, Neurology
4. A study of sleep architecture, brain morphometry and cognition in older adults, Physiology
5. Clinical and molecular characterisation and development of induced pluripotent stem cell lines in paroxysmal movement disorders under AIIMS CSIR IGIB collaborative project, Neurology
6. Clinico-genetic and radiological profile of adolescent and adult onset leukodystrophy, Neurology
7. Comparison of simultaneous plasma exchange (PLEX) and Intravenous methylprednisolone (IVMPS) versus IVMPS with add on PLEX in the treatment of acute severe myelitis of Neuromyelitis optica spectrum disorders (NMOSD): A prospective randomized open label blinded endpoint (PROBE) study, Neurology
8. Exploring genetic variants in Moyamoya disease ICMR (MMD) and Intracranial major artery occlusion (ICASO) in India, Neurology
9. Global Outreach study of Methylation based classification tools for CNS Tumors and sarcomas- DKFZ, Neuropathology
10. Identification of pathobiological and disease activity markers in Primary CNS Vasculitis (PCNSV), Neurology
11. Identification of the Genetic architecture of FSHD in India, Neurology
12. Methylation array-based profiling of gliomas in Adolescents and Young Adults (AYA) to improve sub-classification and prognosis prediction- ICMR, Neuropathology
13. MGMT expression profiling and its correlation with response to TMZ in high grade gliomas in pediatric and AYA population- AIIMS, Neuropathology
14. Molecular signatures of Parkinson's Disease in vivo: a deep brain stimulation approach (ongoing) - DBT/ Wellcome Trust India Alliance, Neurology
15. Rituximab in Guillain Barre syndrome (RuGBY) trial: a single centre, double blind, randomized phase 3 trial, Neurology
16. Significance of serum and CSF MOG antibodies in patients with primary demyelinating disease, Neurology
17. Symptomatic non stenotic carotid disease in embolic stroke of undetermined source - prospective observational study, Neurology
18. "Thalidomide as treatment of basal exudates in Tuberculous Meningitis: A prospective randomized open blinded endpoint (PROBE) study, Neurology
19. Transforming CNS Tumor Care: Harnessing Histopathological Data, Multi-omics, and Artificial Intelligence for Precision Diagnosis and Effective Management- ICMR, Neuropathology
20. Uurology nd molecular characterisation and development of induced pluripotent stem cell lines i, Neurology

Completed

1. A phase III randomized double blind, efficacy and safety study comparing SCAR442168 to placebo in participants with non-relapsing secondary progressive Multiple Sclerosis (HERCULES), Neurology (Ayush Aggarwal)
2. Bridging therapy with intravenous Alteplase in imaging eligible Acute Ischemic Stroke patients with onset between 4.5 to 9 hours – A Randomized Controlled, Pilot Study, Neurology
3. Efficacy and Safety of Injection Tenecteplase in 4.5 To 24 hours imaging Eligible Window patients with Acute Ischemic Stroke,
4. Establish robust and economical blood-based panel of diagnostic biomarkers for early diagnosis, detection of tumor progression and its recurrence in gliomas- ICMR, Neuropathology (Dr Vaishali Suri)
5. Identification of genetic vasculopathies among a cohort of Primary CNS Vasculitis using whole-exome sequencing Neurology, Neurology
6. Identification of pathobiological and disease activity markers in Primary CNS Vasculitis, Neurology (Dr Vishnu VY)

7. International Centre for Genomic Medicine in Neuromuscular Diseases (ICGNMD), Neurology (Dr Vishnu VY)
8. Prevention of post-stroke seizures with Levetiracetam in Intracranial Cerebral Venous Sinus Thrombosis (PROLEVIS-CVT): A Randomized Placebo-Controlled Trial, Neurology (Dr Vishnu VY)
9. Smartphone-based Telestroke Vs 'Stroke Physician' led Acute Stroke Management (SMART INDIA): A cluster randomised trial, Neurology (Dr Vishnu VY)
10. Study of clinical profile, imaging and prognostic factors of patients with Hirayama disease, Neurology (Dr Vishnu VY)

Publications

Journals: 63 Abstracts:19

Publications over past 3 years

Item	2022–2023	2023–2024	2024–25
Total	64	70	82
Journal Articles	55	61	63
Abstracts	8	9	19
Chapter in books	1	0	0
Books	0	0	0

PATIENT CARE

The department works 24x7, 365 days for patient care work & regularly attends to emergencies like subarachnoid haemorrhage, stroke, acute encephalopathies, myelopathies, traumatic or iatrogenic cerebro-vascular injuries etc. All requests for CT scan from out patients & in-patients are done the same day & often immediately, so that decision can be promptly taken for patient management. There is no waiting for CT scans in this department. DSAs are regularly done for cerebral & spinal vascular studies for patients attending the Neurosciences Centre and also other departments like ENT & Ophthalmology. Similarly Neurointerventional therapeutic management is routinely carried out for patients of the Neurosciences Centre as well as those referred from ENT, Ophthalmology, Paediatrics, Cardiology, Orthopaedics amongst others. Besides, CT scans are done in the ICUs for patients on life support or ventilator using the mobile CT scanner. Bedside x-rays are routinely done using digital portable x-ray unit or CR unit & images are uploaded to the PACS network. Portable Ultrasound is done whenever required for sick & immobile patients in the wards & ICUs of the Neurosciences Centre. All consultants & residents access PACS images through IP enabled protocol and hence can view the images from home or anywhere using internet or even using their smart phones. The departmental conference room has been upgraded for multimodality image viewing using high resolution Dicom compatible projection system, so that clinical consultants & residents can easily see their patient's images in chronological sequence & in comparison mode on the large projection screen. Even old images & scanned private images can be viewed efficiently instantaneously which helps quick decision making.

Neuroimaging & Interventional procedures performed during the year 2024-2025

C T Scans		**26979**
Digital Subtraction Angiography	Therapeutic Neuro-Interventional procedures: (Cerebra Aneurysms, Cerebral & Spinal AVM embolizations, Carotid revascularization etc.)	**555**
	Diagnostic DSA	**645**
Ultrasound Examinations/ Doppler studies		**3467**
MRI	GAMMA KNIFE	**7158**
	NMR	**4384**

X Rays		**7539**
Portable x-rays		**7172**
OLD FILM SCANNER		**18504**
Data Migration		**5570**
	Total for the year	**81973**

Cases discussed & reviewed in Neuroradiology conferences for patient care decision making

	No. of cases	**Weekly Frequency**	**Total**
Epilepsy Case Conference	10@	2	20/week
Neurosurgery conferences	40@	4	160/week
Neurology conferences	25@	6	150/week
Neuropathology conference	4@	biweekly	8/week
		Total	338/week

Total = 17, 576 cases per year

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Shailesh B Gaikwad To chair session on, ‘’Complication on Neurovascular interventions”, during ISVIR Midterm CME, 2-4 August 2024, Aurangabad, Maharashtra. Invited to chair the session on Biomarkers and Translation Research: From Brain to Body Indo-French Workshop on Artificial Intelligence, Healthcare & the way forward. 10:00 am to 11:35 am, 22 March 2025 Research & Innovation Park, Indian Institute of technology, Delhi. ISNR Mid-Term CME. Was conferred upon gold medal for exemplary service & proficiency in the field of Neuroradiology, 27 July 2024, The Lalit, Jaipur, Rajasthan. Visited site at NCI, Jhajjar on 6 September 2024 for assessing site/status for development of state- of- art-sports recreational facilities. Attended World Federation of Interventional & Therapeutic Neuroradiology Biennial Conference 2024 which was held in New York – USA, 6-10 October 2024. To deliver the inaugural address in National Parkinson Network Chintan Shivir meeting, 13 December 2024, Dr. Ramalingaswami Board Room, AIIMS, New Delhi. Appointed as an abstract reviewer for the 63rd American Society of Neuroradiology (ASNR) Annual Meeting, 18-22 May 2024, Caesars palace, Las Vegas, Nevada, USA. Guest of honor at 27th AIIMS Annual Micro neurosurgery workshop & Diamond Jubilee Celebration (Alumni Meet) of the department of Neurosurgery, NSC, AIIMS, New Delhi. Delivered Inaugural address at both the events held on 27 February & 1 March 2025. Felicitated by the Director, NIMHANS, Dr. Pratibha Murthy for exemplary services and unwavering commitment to advancing the understanding & practice of Neuro-Radiology and dedication towards the patient care & making the field renowned at, “26th Annual Conference of Indian Society of Neuroradiology”, 21 February 2025, NIMHANS Bengaluru. Had the honour to felicitate, “Captain Naveen Nagpal: A Kargil War Hero for his resilience, incredible bravery, courage and triumph during the Kargil war. Captain Naveen Nagpal was the guest of honour at dinner party hosted to honor his services towards the motherland on 22nd February during the “26th Annual Conference of Indian Society of Neuroradiology”, 21-23 February 2025, NIMHANS Bengaluru. On reviewer board for the *American Journal of Neuroradiology (AJNR) for reviewing of submitted manuscript for judging suitability for publication in the journal.* Domain expert in National Task Force for capacity building in Retinoblastoma (diagnosis, systemic management and intra-arterial chemotherapy for globe salvage under the aegis of Ministry of Health & Family Welfare, Govt. Of India.

VISITING SCIENTIST

1. Professor Jacques Moret, Department of Interventional Neuroradiology, Bicetre University Hospital, Kremlin Bicetre, France

Department of Neurology
Professor and Head

Manjari Tripathi

Professors

Achal Kumar Srivastava
Mamta Bhushan Singh
Rohit Bhatia
Deepti Vibha

Additional Professors

Vishnu VY
Awadh Kishor Pandit
Roopa Rajan
Rajesh Kumar Singh

Associate Professors

Anu Gupta
Animesh Das
Elavarasi A
Divya MR

Assistant Professors

Ayush Agarwal

HIGHLIGHTS

In 2024-25, the Department of Neurology achieved remarkable patient care, research, and training advancements. The department produced 278 publications, presented 115 posters and oral presentations at various national and international platforms, and conducted scientific projects worth approximately 60 crores. The department collaborated with prestigious academic institutions throughout the country and across the globe. The faculty and residents have won many accolades for the institute and have served distinguished roles at national and international forums, committees, and editorial boards.

Professor Manjari Tripathi received the esteemed Dr. S. Ramachandran Chair for Neurosciences Award & AIIMS Research section clinical award 2024. Dr. Anu Gupta won the best oral presentation award at AAIC NN, India, hybrid hub 2025. Dr. Elavarasi A and Dr. Divya MR completed advanced training in Movement Disorders. Dr Ayush Agarwal received the Professor M.V. Padma Srivastava award for the best paper in Critical Care Neurology at IANCON 2024. Dr. Divyani Garg was selected for the MDS LEAP Program 2024, while Dr. Jasmine Parihar received the Smt. Pawan Kumari Jain Award for Young Physicians.

The department served over 98, 000 outpatients and 4, 500 inpatients and conducted 12, 000 laboratory procedures. Leading the way in patient care, academics, research, and training, the neurology department sets the standard for the country and the world.

Academic Activities and Innovative Educational Activities

The Department of Neurology trains residents specializing in DM Neurology and candidates pursuing a Doctor of Philosophy (PhD). The department also provides training for postgraduates from various disciplines, including medicine, psychiatry, geriatric medicine, palliative care medicine, and nursing, as well as undergraduates in MBBS and nursing programs. The department successfully runs a Stroke and Neuroimmunology fellowship program, while fellowships in epilepsy, movement disorders, neurophysiology, and the BSC Neurotechnology program are currently under consideration.

CMEs/Workshops/Symposia/National and International Conferences Organized by the Department

Name of the Event	Date	City
The Friedreich's Ataxia Research Community Meet	24 June 2024	New Delhi
Workshop on ultrasound of nerves and muscles	23 June 2024	New Delhi
First National Parkinson Network Chintan Shivir	13 December 2024	New Delhi
ASEPA – ANZAN EEG TEACHING COURSE	18-19 February 2025	New Delhi

Lectures delivered at CMES, National and International conferences (TEACHING & TRAINING)

Lectures delivered:

Manjari Tripathi: 37
Achal Kumar Srivastava: 22
Rohit Bhatia: 7
Mamta Bhushan Singh: 7
Deepti Vibha: 18
Vishnu VY: 7
Roopa Rajan: 18
Awadh Kishor Pandit: 3
Rajesh Kumar Singh: 2
Anu Gupta: 4
Elavarasi A: 2
Divya MR: 6
Ayush Agarwal: 5

Manjari Tripathi

1. ASEAN-INDIA Women Scientists Conclave, Anusandhan National Research Foundation, 25-26 April 2024, Singapore
2. Presurgical evaluation, Neurosurgical Society, 28 April 2024, Shillong
3. Pre-Surgical Mentorship Program, International League Against Epilepsy, 16–30 May 2024, Surabaya, Indonesia
4. Role of MEG in Epilepsy, Indian Epilepsy Society, 6 July 2024, Jaipur
5. Epilepsy in Woman and elderly, Andhra Pradesh Neuroscientists Association, 20 July 2024, Guntur
6. Status Epilepticus, Indian Epilepsy Society, 24 August 2024, Delhi
7. Cannabidiol Epilepsy, World Neurosciences Summit, 25 August 2024, Delhi
8. Insomnia Disorders, Diagnostic & Treatment, Sleep technology workshop, 28 August 2024, Delhi
9. Reliability, validity, and feasibility of customizable Ictal Testing Battery (C-ITB) for assessing cognitive functions in Epilepsy Monitoring Unit (EMU), 15th European Epilepsy Congress 2024, 7 September 2024, Rome. Italy
10. Epilepsy: Physicians perspective, UPAPICON-2024, 15 September 2024, Agra
11. Yoga Nidra: Current Understanding, National Conference on spiritual Neurosciences, 19 September 2024, Dehradun
12. Current Aspects of Therapy and Prevention in Cognitive decline, Alzheimer's And Related Disordered society of India, 27 September 2024, Pune
13. Approach to a patient with cognitive decline, 30th Annual conference of Indian association of Clinical Medicine, 29 September 2024, Rajasthan
14. Approach to a Patient with Cognitive Decline, IACMCON-2024, 30 September 2024, Udaipur
15. Bridging The Asian Nations Through Epilepsy Surgery Services, The 18th Asian Epilepsy Surgery Congress, 10-11 October 2024, Surabaya Indonesia
16. Neuro-Palliative Care, CME of Delhi State Chapter of IAPC, 15 October 2024, Delhi
17. Timing of referral to evaluate of epilepsy surgery: how much does it matter, 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 18 October 2024, Vishakhapatnam
18. Drug refractory epilepsy, Association of Physicians, 26 October 2024, Rajasthan
19. REM Parasomnias, Indian Society for Sleep Research, 6 November 2024, Goa
20. Temporal Lobe Epilepsy Ictal EEG Basic patterns, International League Against Epilepsy, 8 November 2024, Kochi
21. REM Parasomnias, National sleep technology and national sleep medicine courses, 10 November 2024, Guwahati
22. Cognition in MOG Disorders, 7th Annual conference of Autoimmune Subsection of Indian Academy of Neurology, 15 November 2024, Chandigarh
23. Ancient Indian Wisdom and Evidence in Current Neurosciences, National Conference on Spiritual Neurosciences, 17 November 2024, Dehradun
24. Environment & Climate Change in Healthcare, AllMS Symposium, 21 November 2024, Delhi
25. Optimal timing for Epilepsy Surgery (Virtually), ILAE Meeting, 25 November 2024, USA
26. Women and marginalized groups, 5th INSA-Royal Society, UK Yusuf Hamied Bilateral Workshop, 26-27 November 2024, UK
27. Services for persons with dementia and their families, DEMCON-2024, 29 November 2024, Bangalore
28. Cognition and Sleep in elderly an update, 37th Annual conference of Neuroscientists of Eastern India, (ANEICON-2024), 1 December 2024, Odisha
29. Newer ASMs – Mechanism of action, Mono therapy, Poly therapy, side effects profile: Wide & Narrow Spectrum, Indian Epilepsy Association, 5 January 2025, Hyderabad
30. Magnetoencephalography in Epilepsy Surgery, Crest Neuro conclave 2025, 12 January 2025, New Delhi
31. Panel Discussion on Women with epilepsy, APICON-2025, 24 January 2025, Kolkata

32. Advances in Surgical Management of Drug –Resistant Epilepsy, 27thAnnual Conference of Delhi Neurological Association, DNACON 2025, 2 February 2025, New Delhi
33. Raising awareness and exploring the potential of CAR T cell therapy in malignancies and autoimmune diseases, THSTI's Stakeholder, 3 February 2025, Faridabad
34. Occipital Epilepsy-Mimics & Chameleons, Third National Conference of Neuro-ophthalmology (NCNO- 2025), 9 February 2025, Chandigarh
35. Panel discussion, Symposium at Launch of AIIMS- IIMS Vattikuti Foundation Facility for Advanced Neurotechnology, 12 February 2025, New Delhi
36. Risk and Prevention of Cognitive Decline-Indian Insight, Alzheimer Association, 27 February 2025, New Delhi
37. Role of ASMs serum level monitoring, The 19th World Congress on Controversies in Neurology, 20-22 March 2025, Prague

Achal Kumar Srivastava

1. Approach to Ataxia, 22nd Biennial CME of Neurovision, 06 April 2024, Visakhapatnam
2. Genetic Testing in Movement Disorders: When How and What, 3rd symposium of The Indian Rare Movement Disorders Consortium 2024, 13 April 2024, Bengaluru
3. Rehabilitation in Cerebellar Ataxia, 12th Annual Conference of Indian Federation of Neurorehabilitation, 14 April 2024, Pondicherry
4. Management of Neurological conditions (Stroke) in geriatric population, 4th CME of Delhi State Chapter of Indian Association of Palliative Care, 27 April 2024, Delhi
5. Spinocerebellar Ataxia type 12, The 13th International Symposium of the Society for research on the Cerebellum and Ataxias, 12 May 2024, Mumbai
6. Approach to case of Ataxia, IAN Summer School, 15 June 2024, Mumbai
7. Friedreich's Ataxia (FRDA)- Indian Scenario, Friedreich's Ataxia Research Community Meet, 24 June 2024, Delhi
8. Managing Early Onset Parkinson's disease, CME Program – Empowering Doctors by Enhancing Clinical Knowledge and Skills, 30 June 2024, Delhi
9. Management of Early Onset Parkinsonism, Recent advances in NeurologicalDisorders 2024, 27 July 2024, Varanasi
10. Clinical Diagnostic Markers in movement disorders: A video-based Approach, 1st KIMS Neuroupdate by Neurology Association of Odisha, 17 August 2024, Bhubaneshwar (Online)
11. Role Endocrine disruptor Chemicals (EDC's) in Neurological Disorders, Kashmir Science Vision 2024, 24 August 2024, Srinagar
12. Ataxia, B2B (Back-to-Basics) in Movement Disorders by Tamil Nadu Association of Neurologists, 01 September 2024, Chennai
13. Hereditary Ataxia: Indian Scenario, Indo-French Symposium on Imaging, AI, and Genetics in Neurological Disorders, 16 September 2024, Delhi
14. Newly Described Ataxias, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 29 September 2024, Philadelphia, USA
15. Genetics of Ataxias in India, 31st Annual Conference of Indian Academy of Neurology (IANCON2024), 20 October 2024, Visakhapatnam
16. Botulinum toxin - Types and Mechanism of Action, Movement Disorders Skills Workshop, 24 November 2024, Faridabad
17. Understanding Pain Pathways and substrates in management of Chronic Pain, 72nd Annual Conference Neurological Society of India NSICON 2024, 18 December 2024, Kolkata
18. Important Considerations in the Management of Normal Pressure Hydrocephalus, 72nd Annual Conference Neurological Society of India NSICON 2024, 22 December 2024, Kolkata
19. Update on Spinocerebellar Ataxia, CREST Neuro Conclave 2025, 9-12 January 2025, Delhi
20. Autosomal Recessive Cerebellar - From Phenotypes to Potential Therapies, 27th Annual Conference of Delhi Neurological Association, DNACON 2025, 02 February 2025, Delhi

21. Approach to Ataxia, Approach to Neurology for PGs 2025, 8 February 2025, Pune
22. An Update on Motor Neuron Disease- Dr. Shyama Narang Oration, 13th Annual International Conference of Indian Academy of Biomedical Sciences (IABSCON), 11 February 2025, Bhopal

Rohit Bhatia

1. Stroke Update, In hospital systems of care in stroke, 15 June 2024, Patna
2. Acute ischemic Stroke treatment, 30th Annual Conference of Indian Association of Clinical Medicine - IACMCON 2024, 27-29 September 2024, Udaipur
3. Thrombolysis in Acute Ischemic Stroke, 31st Annual Conference of the Indian Academy of Neurology (IANCON2024), 17-20 October 2024, Visakhapatnam
4. Registries as a research tool in Multiple Sclerosis, 7th Annual Conference of Indian Committee of Treatment and Research in Multiple Sclerosis. Annual Meeting of the Autoimmune Subsection of the Indian Academy Neurology (IAN), 14-16 November 2024, Chandigarh
5. Optic Neuritis in NMOSD requires lifelong Immunomodulation (Yes), Third National Conference of Neuro-ophthalmology (NCNO- 2025), 7-9 February 2025, Chandigarh
6. Yoga and Migraine, 1st annual conference on integrative medicine AIM 2025, 8-9 March 2025, New Delhi
7. How to formulate a research question, 1st annual conference on integrative medicine AIM 2025, 8-9 March 2025, New Delhi

Mamta Bhushan Singh

1. Geriatric Palliative Care: Guiding light through life's transitions, 4th CME of Delhi State chapter of IAPC (Indian Association of Palliative Care), 27 April 2024, Delhi
2. New Classification and Seizure Semiology, IAN Summer School-2024, 15 June 2024, Mumbai
3. Comprehensive Epilepsy Primary Care Workshop, 6th National Conference of Family Medicine and Primary Care, 28 September 2024, Rishikesh
4. Advocacy and self -help groups for epilepsy patients: How can neurologists help? 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 17 October 2024, Visakhapatnam
5. Epilepsy Comprehensive Primary Care Workshop, 80th Annual Conference of the Association of Physicians of India, 23 January 2025, Kolkata
6. Difficult Childhood Epilepsies through the Life Span: Can Neurologists and Palliative Care Work Together? 32nd International Conference of the Indian Association of Palliative Care, 30 January 2025, Jammu
7. Palliative Care in Neurology, Neuro-Palliative Workshop, Indian Association of Palliative Care, GIPMER, 23 March 2025, Delhi

Deepti Vibha

1. Clinical discussion of Clinicopathological case, RML Medicine Update 2024, 7 April 2024, New Delhi
2. Cerebral edema in decompensated Cirrhosis: When to suspect, diagnosis and management, 5thNational Conference on Critical Care and Infections in Liver Diseases CCILBS 2024, 14 April 2024, New Delhi
3. Brain Stem Death Diagnosis and Ancillary Test, 11th Batch of the Transplant Coordinator Training program, 24-28 June 2024, New Delhi
4. Case of Carotid-T occlusion, Asian Stroke Summer School, 11-14 July 2024, Thiruvananthapuram
5. Assessment of Cerebrovascular Reserve, Mid-term Neurosonocon 2024, 24-28 July 2024, Hyderabad,
6. Conducting a Literature Review for a Grant Application, Two Days Workshop on "Grant Writing" for AIIMS Faculty, 30 July 2024, New Delhi
7. TCD in stroke, Recent Advances in Critical Care" {RACC-2024}, 24-26 August 2024, New Delhi
8. Formulating a Research Question & Developing Hypotheses, Protocol Development for Investigator-Initiated Clinical Trials, 30 September 2024, New Delhi
9. Aspect of DSMB formation and it's role, Protocol Development for Investigator-Initiated Clinical Trials, 1 October 2024, New Delhi

10. Vision loss in IIH, 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 17-20 October 2024, Vishakhapatnam
11. Travelling from Clinical Trials to Clinical Practice: Lessons to Learn & Unlearn, Indian Committee of Treatment and Research in Multiple Sclerosis (ICTRIMS 2024), 14-16 November 2024, Chandigarh
12. TCD in Reversible Cerebral Vasoconstriction Syndrome, Annual conference of Society of Neurosonology, 21 December 2024, Kochi
13. Transcranial doppler, machine, uses and application, Workshop cum skilled learning on non-invasive neuro-stimulation therapy, 30 November-1 December 2024, Varanasi
14. Long-term colchicine for the prevention of vascular recurrent events in non-cardioembolic stroke (CONVINCE), 16th World Stroke Conference (WSDCON) 2024, 8 December 2024, New Delhi
15. How to interpret – Whole exome sequencing and Whole genome sequencing for neurological disorders, 27thAnnual Conference of Delhi Neurological Association, DNACON 2025, 1-2 February 2024, New Delhi
16. Vestibular paroxysm, AIIMS Neuro-otology update 2025, 22 February 2025, AIIMS, New Delhi
17. CPC clinical discussant, 7th National Conference of the Neuropathology Society of India, NPSICON 2025, 22 February 2025, AIIMS, New Delhi
18. Role of anticoagulation in Ischemic Stroke, Heart and Brain Symposium 2025, 2 March 2025, Hyderabad

Vishnu VY

1. Clinical implications of genetic testing in neuromuscular diseases. Practical Neurology 2024: Advances in Neuromuscular disorders, 30 June 2024, Secunderabad
1. Mimics and Chameleons Of ALS
2. Advances in Inflammatory Myopathies, Preconference-Workshop Neurology Theme: Advances in Neurotherapeutics APNEUROCON 2024, 19 July 2024, Guntur
3. Neuromuscular disorders in India: New World meets the Old, The 29th Annual Congress of World Muscle Society, 2024, 10 October 2024, Prague. Czech Republic
4. Phenotype & Genotype of FSHD in India, 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 17 October 2024, Visakhapatnam
5. Should Thymectomy be done in all cases of myasthenia gravis? 72nd Annual Conference of Neurological Society of India, 19 December 2024, Kolkata
6. FSHD - An Update, Neuromuscular Update for Practicing Neurologists, 14 February 2025, Mumbai
7. Advancement and challenges in the diagnosis and treatment of FSHD, Advances in Pediatric Neuromuscular diseases 2025, 14 March 2025, Thiruvananthapuram

Roopa Rajan

1. Growing list of genes in Dystonia, 3rd Indian Rare Movement Disorder Symposium, 12 April 2024, Bengaluru.
2. Rehabilitation in PD, IFNRCON 2024, 14 April 2024, Pondicherry
3. Approach to cerebellar tremor, The 13th International Symposium of the Society for Research on the Cerebellum and Ataxias, 11 May 2024, Mumbai
4. Genetics of focal dystonia and treatment, 3rd Annual Meeting of Lux-GIANT Consortium, 14 July 2024, Kochi
5. Movement Disorders Video Session, World Neurosciences Summit IV, 24 August 2024, New Delhi
6. Advanced therapies in movement disorders- When and How? Back to Basics (B2B) in Movement Disorders, India. 30 August 2024, Chennai
7. Genetics of dystonia in Asian Indians, Indo-French Symposium on Imaging, Artificial Intelligence, and Genetics in Neurological Disorders, 16 September 2024, New Delhi
8. Emergencies in other hypokinetic movement disorders. 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 18 October 2024, Vishakhapatnam
9. Dystonia: from phenomenology to genetics, Neurology Colloquium, Clinic of Neurology, Tubingen, Germany, 20 November 2024, Tubingen, Germany (Online)
10. DBS programming: Tips and Tricks, Movement Disorder Skills Workshop, 24 November 2024, Faridabad

11. Landscape of PD treatment in India, National Parkinson Network Chintan Shivir, 13 December 2024, New Delhi
12. Artificial Intelligence for diagnosis and treatment of Movement Disorders, CREST Neuroconclave, 12 January 2025, New Delhi
13. Management of motor fluctuations in early PD- practical tips for management, 27thAnnual Conference of Delhi Neurological Association, DNACON 2025, 2 February 2025, New Delhi
14. Current management of essential tremors in India. Transforming Neuroscience- MRgFUS a game changer, 12 February 2025, New Delhi
15. Video Akhada 2025, Movement Disorders Society of India Conference (MDSICON 2025), 28 February 2025, Varanasi
16. Dystonia: Is genetics replacing phenomenology? Movement Disorders Society of India Conference (MDSICON 2025), 1 March 2015, Varanasi
17. Genotypic and phenotypic heterogeneity in Movement Disorders, IGSTC Workshop: Advancing Personalized Medicine in Cancer and Neurological Disorders, 4 March 2025, Hyderabad
18. Functional Anatomy and Clinical Examination of Eye Movements and Visual Pathways. Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21 March 2025, Tokyo, Japan

Awadh Kishor Pandit

1. Heparin, LMWH and DOAC's-Do's and Don'ts in cardioembolic stroke, 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 17-20 October 2024, Visakhapatnam
2. Promising Phase II Clinical Trials in MS, 7th Annual Conference of Autoimmune Subsection of Indian Academy of Neurology: Indian Committee of Treatment and Research in Multiple Sclerosis (ICTRIMS 2024), 14-16 November 2024, Chandigarh
3. Diagnosing Cerebral Amyloid Angiopathy Related Inflammation – Challenges and Solutions, Annual Conference of Delhi Neurological Association, DNACON 2025, 2 February 2025, Delhi

Rajesh Kumar Singh

1. Clinical Spectrum of MOGAD, Indian Committee of Treatment and Research in Multiple Sclerosis (ICTRIMS 2024), 14-16 November 2024, Chandigarh
2. Current Diagnostic and Treatment paradigms in IgG4 –Related Pachymeningitis, 27thAnnual Conference of Delhi Neurological Association, DNACON 2025, 1 February 2025, Delhi

Anu Gupta

1. Visual loss in pregnancy, 31st Annual Conference of the Indian Academy of Neurology (IANCON 2024), 17 October 2024, Vishakhapatnam
2. Fluid biomarkers in MS: from bench to bedside, Indian Committee of Treatment and Research in Multiple Sclerosis (ICTRIMS 2024), 16 November 2024, Chandigarh
3. Higher visual pathways, Third National Conference of Neuro-ophthalmology (NCNO- 2025), 7 February 2025, Chandigarh
4. Doctor, why is my father all parrot words – Clinical chronicles, AAIC Neuroscience Next India Hybrid Hub 2025, 26 February 2025, New Delhi

Elavarasi A

1. A curious case of scissoring of gait. MDS-AOS Functional Movement Disorders Online Course, 11 October 2024, Virtual
2. Genetic testing for PD in the clinic: To do or not to do? Debate, Movement Disorders Society of India Conference (MDSICON 2025), 2 March 2025, Varanasi

Divya MR

1. Interactive video case discussion- Genetic Parkinsonism, 3rd Symposium of the Indian Rare Movement Disorders Consortium, 12 April 2024, Bengaluru

2. Video Case Presentation- "Story of two brothers with abnormal movements and poor cognition"- MDS Video Challenge, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 30 September 2024, Philadelphia, USA
3. Spinal Cord Stimulation Complications, International Neuromodulation Society Journal Club, 23 January 2025, Online
4. Emerging Perspectives on Anti-IgLON5 Disease, 27thAnnual Conference of Delhi Neurological Association, DNACON 2025, 2 February 2025, New Delhi
5. Updates in Treatment of Tremor, Movement Disorders Society of India Conference (MDSICON 2025), 28 February 2025, Varanasi
6. "Mahakumbh of Movement Disorders"- Video Akhada – Expert Discussant, Movement Disorders Society of India Conference (MDSICON 2025), 1 March 2025, Varanasi

Ayush Agarwal

1. Management of myasthenia gravis, Lucknow chapter, UP-API, 25 August 2024, Lucknow
2. Management of Parkinson's disease, Annual Conference of Association for Clinical Excellence and Research (ACERCON 2024), 19 September 2024, Agra
3. Psychiatric comorbidities with headache, CREST Neuro-Conclave, 11 January 2025, New Delhi
4. Embolic stroke of undetermined source, 27thAnnual Conference of Delhi Neurological Association, DNACON 2025, 2 February 2025, New Delhi
5. Vessel wall imaging, Indian National Stroke Conference (INSC) 2025, 21 March 2025, Lucknow

Total number of lectures delivered.

2022–2023	2023–2024	2024–2025
74	83	138

Oral papers/posters presented: 115

1. A Makharia, Garg K, Ashem T, Manda G, Garg D, R Rajan……...D Radhakrishnan, et al.@, Revisiting Pallidothalamic Tractotomy: Hope for refractory cervical dystonia, World Neurosciences Summit 2024, 22–24 August 2024, Gurgaon@
2. Adhya A, Agarwal A, Garg D, Vishnu VY, Garg A, Srivastava MVP, Early post stroke seizures in spontaneous ICH, Indian National Stroke Conference 2025, 22 March 2025, Lucknow
3. Adhya A, M Prathyusha, J Parihar, Central nervous system tuberculosis in Mesial Temporal Sclerosis: An independent risk factor? 15th Asian & Oceanian Epilepsy Congress, 21-22 February 2025, New Delhi
4. Adhya A, Parihar J, Das A, Tripathi M, Video E poster: Post stroke refractory Holmes tremors managed with thalamotomy, Movement Disorders Society of India Conference (MDSICON 2025), 1 March 2025, Varanasi, India
5. Adhya A, Parihar J, Harnessing nicotine for ADSHE: Insights from a drug-refractory case, 15th Asian & Oceanian Epilepsy Congress, 21-22 February 2025, New Delhi
6. Adhya A, Vishnu VY, Rajan R…. Gupta A, et al. Spectrum of Rapidly Progressive Dementia from a Tertiary Care Hospital in India, AAIC NN India hybrid hub 2025, 26 February 2025, New Delhi
7. Agarwal A, Garg D, Garg A, Rajan R, Srivastava AK. 'Comb sign' in mitochondrial membrane protein associated neurodegeneration: Revelation from 5 cases, XXVII World Congress on Parkinsonism and Related Disorders, 21 May 2024, Lisbon, Portugal
8. Agarwal A, Sharma P, Garg D, Garg A, Faruq M, Srivastava AK. The first Indian patient with hereditary spastic paraparesis type 42 due to a de novo SLC33A1 variant, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, US
9. Agrawal S, J Parihar S S, Tripathi M, Thyrotoxicosis related Status Epilepticus: a case report, 15th Asian & Oceanian Epilepsy Congress, 21-22 February 2025, New Delhi
10. Agrawal S, Srivastava AK, Garg D, Pandit AK, MR D, Rajan R, Agarwal A, A Genotype-Phenotype Correlation Study of Spinocerebellar Ataxia 12 with Severity of Disease. Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan

11. Agrawal S, Srivastava AK, Garg D, Pandit AK, Radhakrishnan DM, Rajan R, et al. Correlation of ataxia rating scale with tremor scale and cognitive scale in SCA 12 patients, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam
12. Agrawal S, Tangri P, Pandit AK, Srivastava A, Bhatia R, Vibha D, et al. Stroke imaging secrets: linking CT ASPECTS & Perfusion, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
13. Aliyar A, Radhakrishnan D, Garg A, Srivastava A, Rajan R, Pandit A, et al. Exploring Quantitative Susceptibility Mapping in Wilson's Disease- A Prospective Cohort Study, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, USA
14. Anand P, Garg D, Agarwal A, Dash A, Radhakrishnan DM, Pandit AK, et al. Non-ataxia manifestations of spinocerebellar ataxia type 12, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam
15. Anandapadmanabhaban R, A. Vishnoi, G. Ram, B. Amulyavathi, V. V Y, N. Kamble……...R. Rajan, et al. #, Deep Learning Based Artificial Intelligence Algorithm to Classify Tremors from Hand-Drawn Spirals. Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan#
16. Balodhi A, Vibha D, Tripathy S, Nath M, The effect of kinesthetic illusion induced by visual stimulation (KINVIS) on motor function in post-stroke patients: Systematic review, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
17. Bhatia Rohit, Haldar Partha, Salunkhe Manish, Gupta Shweta, Prasad Deepshikha, Padma Srivastava, IMPETUS STROKE Investigators, et al. Implementation of an evaluation and treatment package for uniform stroke care and outcomes in the medical colleges in India (IMPETUS STROKE): Interim assessment, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
18. Bhatia Rohit, Haldar Partha, Imnameren Longkumer, Puneet Misra, Gautam Sharma, Mamta Bhushan Singh, et al. Self-monitoring of blood pressure in hypertension detection among adult family members: the EASE-BP randomized trial, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
19. Bhatia Rohit, Jebakumari Angel Miraclin, Rajendran Srijithesh, Khurana Dheeraj, Ray Biman Kanti, Pamidimukkala Vijaya, RE-OPEN investigators, et al. RE-OPEN: Randomised Trial of Biosimilar TNK Versus tPA During Endovascular Therapy for Acute Ischemic Stroke due to Large Vessel Occlusions, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
20. Bhatia Rohit, Ray Biman Kanti, Bal Deepti, PN Sylaja, Sharma Ashish, Jaiswal Shyam K, STENOSIS investigators, et al. STENOSIS: long term single vs dual antiplatelet therapy in patients with ischemic stroke due to intracranial atherosclerotic disease: a randomized trial, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
21. Bhowmick S, Ganguly J, Garg D, Holla V, Wadia P, Shah H, Shah P. Adult onset Niemann-Pick C in India: phenotype and genotype, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, USA
22. Bylappa PS, Agarwal A, Garg D, Srivastava AK, Parihar J, Tripathi M. Pernicious anemia presenting as cerebral venous sinus thrombosis and coronary artery disease in a young man, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam
23. Bylappa PS, Garg D, Agarwal A, Vishnu VY, Joy S, Kesarwani S, et al. Unraveling the Heterogeneity of Cobalamin C deficiency: Insights from Series of Four Patients, Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan
24. Chakraborty S, Pandit A, Srivastava MVP, Vibha D, Garg A, Charan BD, Singh R, Tripathi M, Predictors of Good Functional Recovery in Patients with Acute Ischemic Stroke at 3 Months of the Acute Ischemic Event – A Prospective Cohort Study, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
25. Chandarana M, Tilva B, Agarwal A, Garg D. Clinico-radiological and genetic profile of patients with ataxia with oculomotor apraxia type 2 (AOA2)- A case series from India, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, US
26. Chhatterpal P, Vibha D, Tripathi M, Singh R, Srivasatava A, Bhatia R, et al, Outcomes of acute ischemic stroke patients Undergoing revascularization treatment at A tertiary care centre in north India: a real-world prospective cohort study, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE
27. Chouhan V, Saini A, Radhakrishnan D, Agarwal A, Garg D ……. R. Rajan, et al. PLA2G6 associated neurodegeneration in four Indian patients. Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan

28. D. Biswas, P. Bhatt, A. Srivastava, N. Kumar, S. Kumaran, D. M.R. A. Upadhyay, R. Rajan, Cortical correlates of imagined writing: a functional MRI study. Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan

29. Das A, Srivastava AK, Jaryal AK, Spectrum of polysomnographic abnormalities in a cohort of sporadic late onset ataxia patients, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, USA

30. Dash D, Elavarasi A, Tripathi M, Vibha D, Singh R, Parihar J, Garg A. Spectrum of movement disorders, imaging findings in subacute sclerosing panencephalitis and response to therapy: A prospective cohort study, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, USA

31. Dubey A, Sharma V, Chaudhary S…Gupta A, et al. Multimodal Care Bundle Approach for Primary Prevention of Dementia in an Indian Cohort (SMRUTHI-India), AAIC 2024, 29 July 2024, Philadelphia, USA

32. Dwivedi A, Sinha A, Vishnu VY, Dubey A and Gupta A, The association between sleep quality and caregiver burden in patients with dementia, AAIC NN India hybrid hub 2025, 26 February 2025, New Delhi

33. Gala Prado Miranda, Guillermo Trocha Ramos, Mohammed Albanji, Jonathan Lau, Khalid Alorabi, Ruba Kiwan, Deepa Dash, Mandar Jog, Arunmozhimaran Elavarasi, Incidence of perielectrode edema and peri-electrode cyst following DBS – A case report and systematic review of literature. Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan

34. Ganapule A, Parihar J, Tripathi M, Chandra PS, Doddamani R, Response to VNS programming parameters in drug-refractory epilepsy (DRE): A study from a tertiary care centre in India, 15th Asian & Oceanian Epilepsy Congress, 21-22 February 2025, New Delhi

35. Garg D, Agarwal A, Ganguly J, R. Kandadai, R. Rajan, S. Kola, et al. The Landscape of Neurodegeneration with Brain Iron Accumulation in Indian patients: Lessons from a Multicentric Cross-sectional Study, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, US

36. Garg D, Agarwal A, Gupta A, Desai S, Radhakrishnan D, Rajan R, Spectrum of Movement Disorders in Adolescent- and Adult-onset Leukodystrophies and Genetic Leukoencephalopathies, Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan

37. Garg D, Agarwal A, Rajan R, Radhakrishnan DM, Garg A, Srivastava AK, et al.**, Phospholipase-associated neurodegeneration in India: Observations from a case series of 20 patients, XXVII World Congress on Parkinsonism and Related Disorders, 21 May 2024, Lisbon, Portugal**

38. Garg D, Agarwal A, Srivastava AK, Faruq M. An unsteady tale, XXVII World Congress on Parkinsonism and Related Disorders, 21 May 2024, Lisbon, Portugal

39. Garg K, Rajan R, Singh M. Emergency pallidotomy in a patient with chorea paralytica in primary hypoparathyroidism, International Congress of Parkinson's disease and Movement Disorders (MDS Congress 2024), 27 September-1 October Philadelphia, USA

40. Goyal K, Parihar J, Kedia S, Sokhal N, et al. Non-Convulsive Status Epilepticus in Severe TBI Patients at Level 1 Trauma Centre in India, Neurocritical Care Society Conference, 14-17 October 2024, San Diego California

41. Gulati A, Adwani S, Vijaya P, Agrawal N, Ramakrishnan T, Rai H…...Vibha D et al, Results from the multicentre randomized trial to determine the efficacy of Sovateltide in Acute cerebral ischemic stroke patients with Missing values imputed, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

42. Gupta A, Adhya A, Dubey A, Tripathi M, et al. Unravelling posterior cortical atrophy: clinic-imaging insights from a tertiary care cohort in India, Third National Conference of Neuro-ophthalmology (NCNO- 2025), 8 February 2025, Chandigarh

43. Gupta A, Dubey A, Tripathi M, …. Tripathi M, et al.*, Neuropsychological and functional outcomes in early and late onset dementia, AAIC NN India hybrid hub 2025, 26 February 2025, New Delhi*

44. Gupta S, Bhatia R, Haldar P, Prasad D, Srivastava MVP, Vibha D et al, Implementation of evaluation and treatment Package for uniform stroke care and Outcomes in medical colleges in India (IMPETUSTROKE): implementation strategies to Optimize stroke care pathway, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

45. Haldar, Bhatia R, Gupta D, Prasad D, Srivastava MVP, Vibha D et al, Strengthening stroke care pathways: impetus Study shows improved patient outcomes in Indian medical colleges, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

46. Jawaid A, Vibha D, Smartphone Use Restriction as a Treatment of Primary Headache: A Randomized Controlled Clinical Trial, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam

47. Joy S, Garg D, Agarwal A, Srivastava AK. Unveiling the mystery: PPP2R5D mutation as a rare cause of early-onset dystonia parkinsonism, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam

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91. Sharma S, Jain S, Nag TC, Singh Seema, Radhakrishnan D, Chaudhry R, Ahuja V, Kochhar KP. ****, Probiotics and rTMS synergistically alleviates cognitive and motor functions in 6-OHDA PD rats, Neuroscience-2024, SfN, 5-9 October 2024, Chicago, Illinois, USA****
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93. Siddharth S. A. Pandit, R. Bhatia, D. Vibha, R. Singh, A. Srivastava, B. Arora, Barriers In Implementation of Stroke Care Bundle for FeSSH (Fever, Sugar, Swallowing Dysfunction, Hypertension): Experience from A Tertiary Care Centre in India, 16th World Stroke Congress, 23-26 October 2024, Abu Dhabi, UAE
94. Sidharth S, Tripathi M, Parihar J, Vibha D, Singh RK, Das A, et al, Novel CHRNB2 mutation in an Indian family with autosomal dominant sleep-related hyper-motor epilepsy: Unveiling the first case report with clinical and genetic insights, 15th Asian & Oceanian Epilepsy Congress, 21-22 February 2025, New Delhi
95. Sidharth S, Tripathi M, Parihar J, Vibha D, Singh RK, Das A, et al, First case from North India: Novel KCNC1 mutation c.959G>A in Exon 2 linked to progressive myoclonic epilepsy with MEAK (Myoclonic epilepsy and ataxia due to potassium channel mutation) phenotype, 15th Asian & Oceanian Epilepsy Congress, 21-22 February 2025, New Delhi
96. Sidharth S, Tripathi M, Vibha D, Parihar J, Das A, Singh RK et al. Congruence and Discrepancy Between Video Electroencephalogram (VEEG) & Magnetic Resonance Imaging (MRI) of Brain in Focal Drug Refractory Epilepsy: Insights from a Large Indian Cohort, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam
97. Sidharth S, Tripathi M, Vibha D, Parihar J, Das A, Singh RK et al. Unveiling the First Case Report of Autosomal Dominant Nocturnal Frontal Lobe Epilepsy with CHRNB2 Mutation in an Indian Family: Clinical and Genetic Insights, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam
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99. Singh M Bhushan, Anand A, V Padma, Bhatia R, Rajan R, Gupta A, et al. EpiCheck Expert Group, Developing a checklist for adult epilepsy patient follow-up - A mixed methods study, 15th European Epilepsy Congress, 7 September 2024, Rome, Italy

100. Singh R, Parihar J, Das A, Vibha D, Garg A, Tripathi M, Stroke In Tuberculous Meningitis- Frequency, Factors Associated with It and Effect on Outcome, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

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102. Singh RK, Parihar J, Das A, Vibha D, Garg A, Tripathi M. Hirayama disease with proximal muscle involvement, 18th International Congress on Neuromuscular Diseases, 25 October 2024, Perth, Australia.

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104. Srivastava S, Pandit AK, Gaikwad S, Srivastava AK, Vibha D, et al. Acute Ischemic Stroke (AIS) with Large Vessel Occlusion (LVO): A Case Report of Fast Progressor with Good Functional Outcome, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam

105. Tripathy S, Vibha D, Balodhi A, Nath M, Gut microbiota composition in hypertensive Intracerebral haemorrhage (ICH) and its Association with outcomes: systematic Review, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

106. Tripathy S, Vibha D, Balodhi A, Nath M, Gut microbiota composition in hypertensive Intracerebral haemorrhage (ICH) and its Association with outcomes: systematic Review, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam

107. Tripathy S, Vibha D, Balodhi A, Nath M, The role of gut microbiota in stroke: an Exciting frontier in clinical and experimental Research: systematic review, 16th World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

108. Uppula S, Agarwal A, Garg D, Garg A, Srivastava AK, Adenocarcinoma of unknown primary presenting as focal leptomeningeal disease with vision loss, Third National Conference of Neuro-ophthalmology (NCNO- 2025), 8 February 2025, Chandigarh

109. Vaingankar A, Garg D, Agarwal A, Radhakrishnan DM, Pandit AK, Srivastava AK. Loss of ambulation due to calcific myonecrosis: A rare but reversible complication of Wilson's disease, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam

110. Vaingankar A, Garg D, Gupta A, Rajan R, Garg A, Mustafa F, et al. CSF1R-related leukodystrophy: A case series of four Asian Indian patients, Asia and Oceanian Parkinson's disease and Movement Disorders Congress (AOPMC) 2025, 21-23 March 2025, Tokyo, Japan

111. Vibha D, Chhatterpal P, Tripathi M, Gaikwad S, Garg A, Joseph L, et al. Outcomes in acute ischemic stroke (AIS) with Large vessel occlusion (LVO) within 24 hours: A prospective cohort study in north India, World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

112. Vibha D, Thakur S, Jali V, Srivastava MV, Tripathi M, Bhatia R, et al. Clinical profile of patients with acute stroke and cerebral microbleeds (CMBS): A cross sectional study, World Stroke Congress. 2024, 23-26 October 2024, Abu Dhabi, UAE

113. Vishnu VY, Macken W, Dalal A, Rani N, Reyaz A, Ahmad T, et al. Spectrum of limb girdle muscular dystrophies in a cohort of inherited myopathies with limb girdle weakness, The 29th Annual Congress of World Muscle Society, 2024, 10 October 2024, Prague. Czech Republic

114. Vishnu VY, Macken W, Wilson L, Rani N, Reyaz A, Ahmad T, et al. Inherited Neuromuscular disorders in India: Outcomes of 1000 probands in the ICGNMD study at AIIMS New Delhi, The 29th Annual Congress of World Muscle Society, 2024, 10 October 2024, Prague. Czech Republic

115. Yadav C, Elavarasi A, Garg A, Vibha D, Tripathi M, Singh, et al. Diagnostic Accuracy of Imaging Findings in Tubercular Meningitis and Spinal Tubercular Arachnoiditis and Correlation with Outcomes -An Ambispective Cohort Study, 31st Annual Conference of the Indian Academy of Neurology, 17-20 October 2024, Vishakhapatnam

[@] Best paper presentation award, [*]Best oral presentation award; [**]Best poster award, [#] Selected for guided posted Tour,

[***]First Position, [****]Won DST-SERB Travel Grant Award, [$] Second Prize,

ORAL/POSTER PRESENTATIONS OVER LAST THREE YEARS

2022–2023	2023–2024	2024–2025
70	108	115

RESEARCH

Funded

Ongoing

1. A case-control study to investigate gut microbiota dysbiosis in drug-refractory epilepsy patients using whole-metagenomic shotgun sequencing, Dr. Manjari Tripathi, DHR, 3.5 years, 2021-2025, Rs 59.02 Lakhs
2. A population Based Prospective Cohort Study in Unravel the Causes of Stroke and cognitive Decline: A cross-cultural perspective, Dr. Achal Kumar Srivastava, DBT, 5 years, 2017-2024 (extended), Rs 3200 Lakhs
3. Centre for Advanced Research and Excellence in Disability & Assistive Technology (CARE-DAT), Dr. Vishnu VY, ICMR, 5 years, 2021-2026, Rs 237.20 Lakhs
4. Clinical And Genetic Profile of Patients with Huntington's Disease and Other Hereditary Choreas, Dr. Divya MR, AIIMS Delhi, Intramural Research Grant, 2 years, 2021-2025 (Extended), Rs 8 Lakhs
5. Clinical and molecular characterization and development of induced pluripotent stem cell lines in paroxysmal movement disorders, Dr Divyani Garg, AIIMS-CSIR-IGIB, 2 years, 2025-2027, Rs 10 Lakhs
6. Clinical and radiologic profile, risk associations, caregiver burden and clinical outcomes in early and late onset dementia. Dr. Anu Gupta, AIIMS Delhi Intramural Research Grant, 2 years, 2021-2026 (Extended), Rs 8.15 Lakhs
7. Clinico-genetic and radiological profile of adolescent and adult-onset leukodystrophies, Dr Divyani Garg, AIIMS Delhi, Intramural Research Grant, 2 years, 2024-2026, Rs 10 Lakhs
8. Cognitive decline in patients with Multiple Sclerosis. A cross sectional and longitudinal study, Dr. Rohit Bhatia, DST, 3.5 years, 2021-2024, Rs 15 Lakhs (year 3)
9. Comparison of simultaneous plasma exchange (PLEX) and Intravenous methylprednisolone (IVMPS) versus IVMPS with add on PLEX in the treatment of acute severe myelitis of Neuromyelitis optica spectrum disorders (NMOSD): A prospective randomized open label blinded endpoint (PROBE) study, Dr. Rajesh Kumar Singh, ICMR, New Delhi, 3 years, 2023-2026, Rs 34.84 Lakhs
10. Decoding the Brain Microbiome Connection: Exploring the Interplay of Gut Microbiota and Mitochondrial Dysfunction for Development of Novel Biomarkers for Parkinson's disease. Dr. Achal Kumar Srivastava (Clinical PI), ICMR, New Delhi, 3 years, 2025-2028, Rs 92 Lakhs
11. Dementia Sciences programme incidence/prevalence/risk/analysis of Dementia and basic research, Dr. Manjari Tripathi, DBT, 5 years, 2019-2025, Rs 19.87 Lakhs
12. Differentially expressed synaptic-activity-associated long non-coding RNAs (IncRNAs) in drug-resistant epilepsy (DRE), Dr Jasmine Parihar, AIIMS Delhi, intramural Research Grant, 3 years, 2025-2028, Rs 10 Lakhs
13. Efficacy and safety of Cyclophosphamide in treatment of refractory proliferative arachnoiditis in Central nervous system Tuberculosis- A Randomized placebo-controlled Trial. Dr Elavarasi A, AIIMS Delhi, Intramural Research Grant, 2 years, 2022-2024, Rs 6.72 Lakhs
14. Efficacy and Safety of Injection Tenecteplase in 4.5 To 24 hours imaging Eligible Window patients with Acute Ischemic Stroke, Dr. Awadh Kishor Pandit, DST SERB, 3 years, 2022-2025, Rs 32.14 Lakhs
15. Efficacy and safety of Onabotulinum toxin A (Botox) injections in the upper esophageal sphincter for the treatment of Pharyngo-esophageal Dysphagia due to cricopharyngeal dysfunction- A Randomized double blinded placebo Controlled Trial, Dr Elavarasi A, ICMR, New Delhi, 3 years, 2023-2026, Rs 35.87 Lakhs
16. Efficacy of Bacopa monnieri Linn. on cognitive functions and alterations in blood metabolites in patients with amnestic mild cognitive impairment and early Alzheimer Disease: A double blind, randomized placebo-controlled trial, Dr. Anu Gupta, ICMR, New Delhi, 3 years, 2023-2026, Rs 70 Lakhs
17. Exploring genetic variants in Moyamoya disease (MMD) and Intracranial major artery occlusion (ICASO) in India, Dr. Vishnu VY, ICMR, 3 years, 2022-2026, Rs 87 Lakhs
18. Fever, Hyperglycemia, Swallowing and Hypertension Management in Acute Stroke: A Cluster Randomized: Trial (Indian Quality Improvement in Stroke Care Study (FeSSH) Phase-II, Dr. Awadh Kishor Pandit (PI of nodal Center)/Dr. Kameshwar Prasad (PI), ICMR, New Delhi, 3 years, 2022-2025, Rs 6.91 Lakhs

19. Gravity Stent-Retriever System for Reperfusion of Large Vessel Occlusion Stroke Trial (GRASSROOT), Dr Deepti Vibha, Gurutva Medical Technology Pvt Ltd, 1 year, 2024-2025, Rs 2 Lakhs
20. HLA associated genetic predisposition for hypersensitivity to antiepileptic drugs in NorthIndians: A case control study, Dr Animesh Das, AIIMS Delhi, Intramural Research grant, 2 years, 2021-2025 (Extended), Rs 10 Lakhs
21. Hospital Based Stroke Registry (HBSR), Dr. Rohit Bhatia, ICMR, New Delhi, 6 years, 2021-2027, Rs 3 Lakhs (year 4)
22. Identification of the Genetic architecture of FSHD in India, Dr. Vishnu VY, ICMR, 3 years, 2023-2026, Rs 82.22 Lakhs
23. Indian Multiple Sclerosis and Allied demyelinating disorders registry and research Network (IMRSN), Dr. Rohit Bhatia, ICMR, New Delhi, 4 years, 2021-2025, Rs 99.53 Lakhs (year 4)
24. Indian Trial of Tranexamic Acid in Spontaneous Intracerebral Hemorrhage (INTRINSIC Trial), Dr. Rohit Bhatia, ICMR, New Delhi, 3 years, 2022-2026, Rs 2 Lakhs (year 3)
25. Integrated molecular modelling and in vivo approach to discover potent phytochemicals for improving cognitive decline in Alzheimer's disease", Dr. Achal Kumar Srivastava, ICMR, New Delhi, 3 years, 2023-2026, Rs 48 Lakhs
26. Long-term Single versus Dual Antiplatelet Therapy in Patients with Intracranial Atherosclerotic Disease: A Randomized Trial (STENOSIS Trial), Dr. Rohit Bhatia, ICMR, New Delhi, 3 years, 2022-2025, Rs 23.22 Lakhs (year 3)
27. Medical Application based Post Stroke Strategy for survivors and their caregivers: A Randomized Controlled Trial (MOBILITY), Dr. Rohit Bhatia, ICMR, New Delhi, 3 years, 2022-2025, Rs 3.61 Lakhs (year 1)
28. MicroRNA (miRNA) profiling as potential biomarkers for stroke diagnosis and differentiation using a deep next-generation sequencing (NGS) approach. Dr Deepti Vibha, ICMR, New Delhi, 3 years, 2022-2025, Rs 20 Lakhs
29. Molecular signatures of Parkinson's Disease in vivo: a deep brain stimulation approach, Dr. Roopa Rajan, DBT/ Wellcome Trust Clinical/Public Health Intermediate Fellowship, 5 years, 2023-2028, Rs 344.03 Lakhs
30. Music therapy for rehabilitation in post-stroke non-fluent aphasia: the Indian adaptation, Dr. Deepti Vibha, ICMR, New Delhi, 3 years, 2023-2026, Rs 60 Lakhs
31. Pan India Registry for Progressive Supranuclear Palsy (PAIR-PSP), Dr Divyani Garg (Site PI), Michael J Fox foundation, 1 year, 2025-2026, Rs 2.31 Lakhs
32. Pan-India multicentric study on NeuroCYSTicercosis (NCC): Unravelling its metabolOMICs and proteOMICs architecture to enable its diagnosis and understand epilepsy (CYST-OMICS), Dr. Divya MR (Site PI & Co PI), ICMR Task Force of Omics in Health & Disease, 3 years, 2024-2027, Rs 22.17 Lakhs (for AIIMS, Delhi)
33. Post-acute COVID-19 Neurological Sequelae: Deciphering Molecular Signatures by Integrating Data Sources of COVID-19 and neurodegenerative diseases and Their Validation, Dr. Achal Kumar Srivastava, ICMR, New Delhi, 3 years, 2023-2026, Rs 48.97 Lakhs
34. Posterior cervical fixation versus long-term cervical collar for management of Hirayama Disease: Prospective randomized open blinded endpoint (PROBE), phase III study, Dr Deepti Vibha, AIIMS Delhi Inter-disciplinary intramural research grant, 2 years, 2023-2025, Rs 20 Lakhs
35. Randomized Trial of Biosimilar TNK Versus tPA during Endovascular Therapy for Acute Ischemic Stroke Due to Large Vessel Occlusions (RE-OPEN Trial), Dr. Rohit Bhatia, ICMR, New Delhi, 3 years, 2022-2025, Rs 22.23 Lakhs (year 3)
36. Repetitive Transcranial magnetic stimulation to the inferior parietal lobule in task specific focal hand Dystonia: a crossover, sham control blinded outcome assessment study, Roopa Rajan, ICMR, 3 years, 2023-2026, Rs 41.49 Lakhs
37. Rituximab in Guillain Barre syndrome (RuGBY) trial: a single center, double blind, randomized phase 3 trial. Dr. Ayush Agarwal, DST-SERB, 2 years, 2023-2025, Rs 30 Lakhs
38. Role of non-coding RNAs (ncRNAs) in clinicopathological classification and molecular perturbances associated with Focal Cortical Dysplasia (FCD), Dr. Manjari Tripathi, DBT, 3 years, 2024-2027, Rs 79.09 Lakhs
39. Scaling-up The Competency of Primary Care Workers to Manage Epilepsy by Task-Sharing (STOP-Epilepsy), Dr. Mamta Bhushan Singh (Co- PI), DBT- Wellcome Trust, 5 years, 2021-2026, Rs 211.87 Lakhs
40. Significance of serum and CSF MOG antibodies in patients with primary demyelinating disease, Dr. Ayush Agarwal, AIIMS Delhi, Intramural Research Grant, 2 years, 2023-2025, Rs 10 Lakhs

41. Smartphone use restriction as treatment of primary headache: a randomized controlled clinical trial, Dr Deepti Vibha, CSIR, 3 years, 2023-2026, Rs 30 Lakhs
42. Strategic Multimodal Intervention in at-risk Elderly Indians for Prevention of Dementia (SMRUTHI INDIA): A cohort multiple randomised controlled trial (cmRCT), Dr. Vishnu VY, ICMR, 3 years, 2022-2025, Rs 4,92,49,450
43. Swallow-graphy for stroke patients, Dr. Awadh Kishor Pandit, DHR, 3 years, 2024-2027, Rs 22.31 Lakhs
44. Thalidomide as treatment of basal exudates in Tuberculous Meningitis: A prospective randomized open blinded endpoint (PROBE) study.", Rajesh Kumar Singh, ICMR, New Delhi, 3 years, 2025-2027, Rs 38.04 Lakhs
45. Thalidomide as treatment of optochiasmatic arachnoiditis in Tuberculous meningitis: A prospective randomized open blinded endpoint (PROBE) study, Dr. Rajesh Kumar Singh, ICMR, New Delhi, 3 years, 2022-2025, Rs 24.59 Lakhs
46. Thalidomide in the treatment of intracerebral tuberculoma: A prospective randomized open blinded endpoint (PROBE) study', Dr Deepti Vibha, Indian Academy of Neurology Research Grant, 2 years, 2024-2026, Rs 10 Lakhs
47. To study the association of key pathophysiologic blood based biomarkers with the phenotype, metabolome and gut microbiome in patients with Alzheimer's disease (AD): A pilot study, Dr Anu Gupta, AIIMS Delhi Intramural Research Grant, 2 years, 2023-2025, Rs 10 Lakhs
48. Understanding the neurobiological and clinicopathological role of genomic and non-coding transcriptomic perturbances in pharmacoresistant epilepsy, Dr. Manjari Tripathi, DST, 3 years, 2024-2027, Rs 21.41 Lakhs
49. Unravelling the multi-targeted curative potential of indigenous medicinal herbs and their phytochemicals against Friedreich's Ataxia: an integrated approach. Dr. Achal Kumar Srivastava (Clinical PI), ICMR, New Delhi, 3 years, 2025-2028, Rs 33.20 Lakhs
50. Utility of Intravenous autologous bone marrow derived stem cells infusion in chronic stroke: A paracrine signaling and h-NMR spectroscopy study, Dr. Vishnu VY, ICMR, 3 years, 2022-2025, Rs 55 Lakhs
51. Wearable electronics for swallowgraphy in stroke patients, Dr. Awadh Kishor Pandit, AIIMS Delhi Intramural Research Grant, Collaborative project between AIIMS-IIT Delhi, 2 years, 2023-2025, Rs 20 Lakhs

Completed

1. A large-scale comprehensive clinical and genomics approach for rare mutations and novel gene discovery in hereditary ataxias in India-(CHANGER), Dr. Achal Kumar Srivastava, ICMR, New Delhi, 3 years, 2021-2024, Rs 1.49 Lakhs
2. Bridging therapy with intravenous Alteplase in imaging eligible Acute Ischemic Stroke patients with onset between 4.5 to 9 hours – A Randomized Controlled, Pilot Study, Dr. Awadh Kishor Pandit, AIIMS Delhi Intramural Research Grant, 02 years, 2020-2022 (Extended), Rs 8 Lakhs
3. Can capacity building at primary care level improve access to epilepsy care in Chhattisgarh? An Implementation Research, Dr. Mamta Bhushan Singh, ICMR, New Delhi, 3 years, 2022-2025, Rs 99.11 Lakhs
4. Cost-effective analysis of evidence based interventions underlying Acute Ischemic Stroke: A Retrospective Study of Patients in a Tertiary Care Hospital, Delhi, India, Dr. Awadh Kishor Pandit, DHR, 1.5 years, 2021-2023, Rs 6.51 Lakhs
5. CSF inflammatory markers in the diagnosis of autoimmune encephalitis, Dr. Rajesh Kumar Singh, AIIMS Delhi Intramural Research Grant, 2 years, 2021-2023, Rs 9.25 Lakhs
6. Dalfampridine for improving visual function in acute optic neuritis (DON)- A randomized, placebo-controlled phase 2/3 trial, Dr Animesh Das, DHR, 2 years, 2022-2024, Rs 29.70 Lakhs
7. Determination of efficacy of 9 months, 12 months, and 18 months of Anti-Tubercular Treatment (ATT) for Tuberculous Meningitis (TBM): A randomized controlled, non-inferiority trial, Dr Deepti Vibha, DHR, 3+1 years, 2020-2024, Rs 42 Lakhs
8. Development of Nordostachys jatamansi and Withania somnifera formulation for the treatment of sleep disorders, Dr. Manjari Tripathi, DBT, 3 years, 2021-2024, Rs 56.38 Lakhs
9. Elucidating the efficacy of yoga meditation and its associated epigenetic modulation in person with temporal plus and temporal lobe epilepsy, Dr. Manjari Tripathi, DST, 4 years, 2020-2024, Rs 70.27 Lakhs
10. Evaluation Of Effects of Repetitive Trans Cranial Magnetic Stimulation at Supplementary Motor Area in Parkinson's Disease Patients with Freezing of Gait- A Randomized Sham Controlled Study, Dr Divya MR, ICMR, New Delhi, 3 years, 2021-2024, Rs 24 Lakhs

11. Evaluation of rapid eye movement (REM) behavioral disorder in sporadic adult-onset ataxia (SAOA)-Aprospe ctiveobservationalstudy"-, Dr Animesh Das, ICMR, New Delhi, 3 years, 2021-2024, Rs 26 Lakhs
12. Genetic Architecture of Parkinson's Disease in India (GAP-India), Dr. Roopa Rajan, Michael J Fox Foundation, 4 years, 2019-2024, Rs 75 Lakhs
13. Identification of pathobiological and disease activity markers in Primary CNS Vasculitis, Dr. Vishnu VY, ICMR, 3 years, 2021-2025, Rs 48 Lakhs
14. Implementation of an evaluation and treatment package for uniform stroke care and outcomes in the medical colleges in India (IMPETUS Stroke), Dr. Rohit Bhatia, DHR, 3 years, 2021-2024, Rs 24 Lakhs
15. International Centre for Genomic Medicine in Neuromuscular Diseases (ICGNMD), Dr. Vishnu VY, MRC, UK, 4 years, 2020-2024, Rs 1.22 Lakhs
16. Long Range, Cis-Acting Functional Variations in Regulatory Elements of Frataxin: New Therapeutic Targets in Friedreich's Ataxia. Dr. Achal Kumar Srivastava, ICMR, New Delhi, 3 years, 2021-2024, Rs 89 Lakhs
17. Prevention of post-stroke seizures with Levetiracetam in Intracranial Cerebral Venous Sinus Thrombosis (PROLEVIS-CVT): A Randomized Placebo-Controlled Trial, Dr. Vishnu VY, ICMR, 3 years, 2021-2024, Rs 80 Lakhs
18. Smartphone-based Telestroke Vs 'Stroke Physician' led Acute Stroke Management (SMART INDIA): A cluster randomized trial, Dr. Vishnu VY, ICMR, 3 years, 2020-2024, Rs 2.70 Lakhs
19. Spiral Dx: Tremor diagnosis and quantification using artificial intelligence, Dr. Roopa Rajan, DBT, 3 years, 2021-2024, Rs 1.06 Lakhs
20. The Role of Educational Intervention on Improving Diagnosis and Treatment of Central Nervous System Tuberculosis–A Cluster Randomized Trial (RED-TB Trial). Dr. Divya MR, World Federation of Neurology, 2 years, 2022-2024, Rs 18.50 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Accuracy of Clinical diagnosis of Functional Dissociative Seizures – A prospective observational study
2. ACTION: Methylcobalamin in Acute episodes of Central Nervous System Demyelination; A Randomized Controlled Trial
3. An Exploratory Study to Evaluate Optical Coherence Tomography Angiography in Cases of Ischemic Stroke due to Extracranial Internal Carotid Artery Atherosclerotic Disease and Pre and Post Carotid Artery Re-Vascularization (Carotid Artery Stenting and Carotid End-Arterectomy) –A Prospective Cohort Study
4. Assessment of sleep dysfunction and its correlation with autonomic function test and severity of disease in apparently idiopathic sporadic progressive cerebellar ataxia
5. Attitude and Practices of Health care providers on Advance Care Planning in Parkinsons Disease and other Neuro-degenerative Diseases
6. Biomarker prediction using proteomics and diagnostic assay development followed by validation using biosensor technology for early detection of stroke
7. Cerebrospinal Fluid Biomarkers in Idiopathic Intracranial Hypertension: Targeted Proteomics Analysis highlighting the Pathomechanism of Disease
8. Characterization of tremor and gait in spinocerebellar ataxia type 12
9. Clinical and Demographic Features of Patient on Treatment for MDR/XDR TB with ATT induced Peripheral Neuropathy: A Prospective Observational Study
10. Clinical spectrum, Imaging features and long-term outcomes of Functional Movement Disorders – A Prospective cohort study
11. Clinical Utility of Intravascular Ultrasound (IVUS) in carotid artery interventions – a systematic review and meta-analysis
12. Clinical profile and response to steroids in brachial plexopathy: A prospective cohort study
13. Clinical, Laboratory and Imaging features, Treatment trends and long-term outcomes in patients with Parenchymal and Extra parenchymal Neurocysticercosis-A registry-based study.

14. Comparing outcomes of epilepsy patient follow-up care with and without a checklist- A randomized controlled trial
15. Correlation of changes in OctoberOctober parameters, Optic nerve sheath diameter and MCA waveform with a visual field in IIH: A Prospective cohort study
16. Cost-effectiveness of surgical interventions in patients with dystonia
17. Diagnostic accuracy of smartphone fundoscopy versus direct ophthalmoscopy to identify papilledema in patients with features of raised intracranial pressure presenting to the emergency department
18. Efficacy and safety of radiofrequency pallidotomy in management of dystonia-an RCT
19. Efficacy and safety of single-photon emission computed tomography (SPECT) aided botulinum toxin injection in writers' cramp: A PROBE study
20. Efficacy and Safety of sunlight therapy in stroke patients: A Randomized Controlled Trial
21. Efficacy of Add on Melatonin on Seizure Outcome in Focal Drug-Resistant Epilepsy Patients A randomized controlled Trial
22. Efficacy of smartphone based digital application to track migraine, offer pill reminders for medication adherence and community blog for migraineurs in improving headache related parameters as compared to paper pen diary in patients with migraine- a randomized controlled cross over trial.
23. Electrophysiological evaluation of myoclonus in subacute sclerosing panencephalitis
24. Etiological study of Hypertrophic pachymeningitis in adults
25. Evaluation of multimodality evoked potentials and electroretinogram in Wilson's disease
26. Evaluation of stroke recurrence in various subtypes of ischemic stroke according to TOAST classification: An Ambispective cohort study
27. Evaluation OfCurrent ManagementPractices andOutcomes in Patientswith CNS Tuberculosis
28. Factors associated with increased risk of mortality in TBM patients- An ambispective observational study
29. Factors associated with infarct growth rate in patients of acute ischemic stroke with large vessel occlusion in anterior circulation
30. Genetics of dystonia in India: a next generation sequencing approach
31. Histopathological and proteomic characterization of mechanical thrombectomy retrieved clots in acute ischemic stroke patients with large vessel occlusion
32. Identification of novel unstable tandem nucleotide repeat loci by genome wide screening and their implication in the pathogenesis of genetically uncharacterized progressive cerebellar ataxias.
33. Identification of pathobiological and disease activity markers in Primary CNS Vasculitis (PCNSV)
34. Immediate versus delayed withdrawal of anti-seizure medications in psychogenic non-epileptic seizures
35. Impact of discordance of scalp video EEG on seizure outcomes of persons with drug –resistant epilepsy
36. Institutional registry of patients with hypertrophic pachymeningitis
37. Making sense of Variant of Uncertain Significance (VUS): A sequence variant reinterpretation study in movement disorders
38. Mission Thrombectomy 2020 (MT 2020 App) study.
39. Multimodal electrophysiological evaluation of tremor: a machine learning approach
40. Multi-Modality Evoked Potentials Andelectroretinogram In Patients With Wilson's Disease-A Prospective Observational Study
41. Non ataxic manifestations of spinocerebellar ataxia
42. NON-MOTOR MANIFESTATIONS IN HUNTINGTONS DISEASE PATIENTS AND THEIR IMPACT ONQUALITY OF LIFE - An Observational Study
43. Online survey- To identify practice trends by Neurologists in the diagnosis and treatment of Normal Pressure Hydrocephalus
44. Pallidotomy for generalised dystonia- a retrospective/prospective study
45. Predictors of Freezing of Gait (FoG) in Parkinson's Disease among Indian Population

46. Prevalence of EBV DNA and anti EBV antibodies in patients of MS, NMOSD and MOG-AD
47. Prophylactic Levetiracetam for the prevention of post stroke seizures (PROLEVIS): A randomized, double blind, placebo-controlled trial
48. Quantitative susceptibility mapping to predict deep brain stimulation outcomes in Parkinson's disease.
49. Role microRNAs in pathophysiology of neurodegenerative disorder: spinocerebellar ataxia type 2 (SCA2)
50. Role of genetic variants and non-coding RNAs in drug-resistant epilepsy
51. Spectrum and clinical profile of Movement Disorders in Autoimmune Encephalitis
52. Study of clinical profile, imaging, and prognostic factors of patients with Hirayama disease - prospective study
53. Symptomatic Non-Stenotic Carotid Disease (SYNC) In ESUS (Embolic Source of Undetermined Source) Patients – A Prospective Observational Study
54. Talking about epilepsy: A mixed method study to explore Doctor-patient communication in Epilepsy care, paving the way for co-produced interventions
55. The spectrum and outcome of Rapidly Progressive Dementias: A prospective cohort study
56. The Stigma Spectrum: Burden, Factors associated, Treatment implications, and Cross-Comparisons among Indian Persons with Epilepsy
57. Timing of anticoagulation and outcomes in patients with Rheumatic Heart Disease and stroke.
58. To evaluate radiological involvement of Thymus in patients of CNS demyelinating disorders: Case control study.
59. To identify functional genetic elements in triplet repeats flanked haplotype region and mitochondrial genome in spinocerebellar ataxias
60. To study the genetic modifier of variability in age at onset in SCA2 and SCA12
61. To study the molecular correlation and clinical variability in Friedreich's Ataxia through RNA expression analysis
62. Transcranial Doppler (TCD) in Tubercular cerebral vasculopathy: a prospective observational study.
63. Utility of CSF biomarkers for Alzheimer's pathophysiology in the diagnostic work up of patients with neurodegenerative dementia: a cross-sectional study

Completed

1. A Randomized Controlled Trial Comparing the Efficacy of NIBS (low frequency inhibitory rTMS) in Addition to Standard of Care vs Standard of Care alone in Post Stroke Aphasia
2. Are patients with Epilepsy optimally employed? A Cross-Sectional Study
3. Clinicodemographic characteristics and outcome of patients with myasthenic crisis and impending myasthenic crisis-An ambispective study
4. Clinico-Radiologic profile and Outcomes of patients with Normal Pressure Hydrocephalus
5. Efficacy of propranolol and primidone in action tremors in patients with Spinocerebellar Ataxia 12: A single centre, double blind, placebo controlled double cross over trial
6. Intranasal Midazolam Versus mouth dissolving clobazam in terminating Seizers: A Randomized open label non inferiority trial

Collaborative projects

Ongoing

1. To Investigate the Combined Neuromodulatory Effects of Intermittent Theta Burst Stimulation and Probiotics on Gut-Brain Axis in Parkinson's Disease – A Randomized Controlled Trial. , Department of Physiology, AIIMS New Delhi
2. A case-control study to develop "Exosomes based Molecular Signature" of Parkinson Disease, Department of Biophysics, AIIMS New Delhi
3. A cross-sectional study to assess caregiver burden, anxiety, depression, and coping strategies among caregivers of neurodegenerative disorder patients attending neurology OPD at CNC AIIMS, New Delhi, College of Nursing, AIIMS, New Delhi

4. A multicenter, international, randomized, placebo controlled, double-blind, parallel group and event driven Phase 3 study of the oral FXIa inhibitor asundexian (BAY 2433334) for the prevention of ischemic stroke in male and female participants aged 18 years and older after an acute non-cardioembolic ischemic stroke or high-risk TIA, Multiple centers across the globe
5. A phase III randomized double blind, efficacy and safety study comparing SCAR442168 to placebo in participants with primary progressive Multiple Sclerosis (PERSEUS), Multiple centers across the globe
6. A Quasi experimental study to assess the effectiveness of Stroke Care Giver Mobile App (SCGM app) upon knowledge and practice of home care management among caregivers of stroke patients at AIIMS New Delhi, College of Nursing, AIIMS, New Delhi
7. A study to assess the effectiveness of exercise (30 min walk) on Health-Related Quality of Life (HRQoL) among Myasthenia Gravis patients attending Neuro OPD at AIIMS, New Delhi, College of Nursing, AIIMS, New Delhi
8. A Study to assess the effectiveness of family and patient education using a video-based teaching on knowledge and pre procedural anxiety of family members & patients undergoing EEG at AIIMS, New Delhi, Collage of Nursing, AIIMS, New Delhi
9. A study to assess the qSOFA scores and its association with clinical signs of sepsis and selected outcomes in patients admitted in Neurology and Neurosurgery ward at AIIMS, New Delhi, College of Nursing, AIIMS, New Delhi
10. A study to investigate the role of Vitamin D supplementation on seizure control in persons with drug resistant epilepsy and its correlation with biomarkers of epileptogenesis, ICMR, New Delhi
11. An observational study to investigate the gut microbiota composition of patients with drug-refractory epilepsy, Department of Neurosurgery, AIIMS, New Delhi
12. Association of social cognition and behavioral impairment in persons with epilepsy on AED monotherapy: Correlation with neuroimaging findings and trace elements status, Department of Science and Technology
13. Calcium permeable ion channels as therapeutic targets to manage neuropathic pain, Department of Biophysics, AIIMS, New Delhi
14. Deciphering the contribution of proestrous-estrous transition to seizure susceptibility in drug resistant epilepsy pathologies, Department of Biophysics, AIIMS, New Delhi
15. Deciphering the role of platelets in drug resistant epilepsy, Department of Biophysics, AIIMS, New Delhi
16. Decoding the Brain Microbiome Connection: Exploring the Interplay of Gut Microbiota and Mitochondrial Dysfunction for Development of Novel Biomarkers for Parkinson's disease, AIIMS-DU
17. Developing a combinatorial biomarker based on encephalic and metabolome profiles to differentiate functional dissociative seizures from epilepsy, Department of Physiology, AIIMS New Delhi
18. Development of an imaging-based algorithm for classification of subtypes of Neurodegeneration with Brain Iron Accumulation (NBIA), Department of Neuroimaging & Interventional Neuroradiology, AIIMS New Delhi
19. Effect of homeopathic based drug formulation on epileptogenesis and its interaction with antiepileptic drugs: A study in experimental model of epilepsy and associated post-ictal depression, Central council for Research in Homoeopathy (CCRH)
20. Effect of Myoinositol supplementation on seizure frequency in person with drug resistant epilepsy A double blind randomized N-of-1 trial", Department of Pharmacology, AIIMS New Delhi
21. Efficacy of Probiotics supplementation on Cognition and fluctuating Motor symptoms in patients of Parkinson's Disease - A Randomized Controlled Trial, Department of Physiology, AIIMS New Delhi
22. Etiological study of hypertrophic pachymeningitis, Department of Neurosurgery, AIIMS, New Delhi
23. Evaluation of Current Management Practices and Outcomes in Patients with CNS TB Using Clinical Indicators, Department of Medicine, AIIMS New Delhi
24. Exploratory analysis of the association between pyrethroid exposure and Parkinson's disease: A Cross-sectional Study, Department of Pharmacology, AIIMS New Delhi
25. Exploring cognition and numeracy skills in financial decision making in neurodegenerative disorders using MR techniques, and the effect of Transcranial Direct Stimulation (IDCS) on improvement of cognitive functions, Department of NMR, AIIMS New Delhi

26. Exploring the potential of exosomal miRNA as novel biomarker targets of Parkinson's disease, Department of Biophysics, AIIMS New Delhi
27. Fever, Hyperglycemia, Swallowing and Hypertension Management in Acute Stroke: A Cluster Randomized Trial (FeSSH) Phase-II (Indian Quality Improvement in Stroke Care Study), RIMS, Ranchi
28. Implementation of a Physician-Based Stroke Unit in a Remote Hospital of North-East India-Tezpur Model, Christian Medical College, Ludhiana
29. Mechanistic understanding of Parkinson's disease and developing an early screening method, Department of Biophysics, AIIMS New Delhi
30. Modulators of a4-containing GABAA receptors: Potential therapy for focal cortical dysplasia (FCD), Department of Biophysics, AIIMS New Delhi
31. Morphometric Brain Changes in Young-Onset and Late-Onset Parkinson's Disease: A Comparative Study, Department of NMR, AIIMS New Delhi
32. Neuropsychiatric manifestations and metabolic characteristics in brain in patients with treatment naïve celiac disease compared with controls and effect of gluten free diet on them: A prospective follow up study, Department of Gastroenterology and Human Nutrition Unit, AIIMS, New Delhi
33. Ocular surface microbiome profiling in Neurodegenerative disorders, Dr. R.P. Centre for Ophthalmic Sciences, AIIMS, New Delhi
34. Pan-India multicentric study on NeuroCYSTicercosis: Unravelling its metabolOMICs and proteOMICs architecture to enable its diagnosis and understand epilepsy (CYST-OMICS), IIT Mandi, IHBT Palampur, DMCH Ludhiana, ICGEB Delhi and other multiple centres across India
35. Prospective diagnostic study of Blood Glucose Estimation and Atrial Fibrillation via wearable device in Acute Stroke patients, Department of Computer Science and Engineering, IIT Delhi
36. Role of trace amines in neuro degenerative diseases (AMR, glaucoma and Alzheimer's), Dr. R.P. Centre for Ophthalmic Sciences, AIIMS, New Delhi
37. SmartWear- AI Enabled wearable system for monitoring and intervention of gait disorders in Parkinsonism, IIT Gandhinagar
38. Understanding prescription patterns for Parkinson's disease prior to referral to a movement disorders centers in India: A cross-sectional study, Multiple centers in India
39. Unravelling the multi-targeted curative potential of indigenous medicinal herbs and their phytochemicals against Friedreich's Ataxia: an integrated approach, AIIMS-ICAR
40. Wearable electronics for swallowgraphy in stroke patients, IIT Delhi

Completed

1. A longitudinal study to assess cortico-spinal excitability and plasticity in ALS patients using TMS metrics, Department of Physiology, AIIMS, New Delhi
2. A phase III randomized double blind, efficacy and safety study comparing SCAR442168 to placebo in participants with non-relapsing secondary progressive Multiple Sclerosis (HERCULES), Multiple centers across the globe
3. A prospective observational study to find out correlation of serum levels of AEDs (AEDs) and other factors associated with seizure recurrence in persons with epilepsy (PWE) undergoing AED tapering, Department of Pharmacology, AIIMS, New Delhi
4. Cultural Considerations in Daily Levodopa Equivalent Dosage: A Study of Global Population, Multiple centres across the globe
5. Effect of AED monotherapy with levetiracetam and valproate on metabolic status in women with epilepsy, Department of Pharmacology, AIIMS, New Delhi
6. Effect of plasma jet on tumor tissues resected from patients with tumor linked refractory epilepsy, Department of Biophysics, AIIMS New Delhi
7. Effect of Probiotics and Repetitive Transcranial Magnetic Stimulation on Cognitive and Motor Function in the 6-Hydroxydopamine Rat Model of Parkinson's Disease, Department of Physiology, AIIMS New Delhi
8. Elucidating region-specific alterations of glutamatergic excitatory neurotransmission in a rodent pilocarpine model of temporal lobe epilepsy, Department of Biophysics, AIIMS New Delhi

9. Study of vitamin D receptor expression and their correlation with seizure control in persons with drug resistant epilepsy after supplementation of vitamin D, Department of Biostatistics, AIIMS, New Delhi
10. To investigate the role of dysfunctional benzodiazepine binding site on GABAA receptor in benzodiazepine-resistance associated with pharmaco-resistant epilepsy, Department of Biophysics, AIIMS New Delhi

Research over the past 3 years.

Research projects.	2022–2023	2023–2024	2024–2025
Total funded projects	49	59	51
Total funding	Rs 6712.45 Lakhs	Rs 7236.17 Lakhs	Rs 6080.64 Lakhs

Publications

Journals: 155 **Abstracts: 95** **Chapters in Book: 16** **Books & Monographs: 02**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	240	246	268
Journal Articles	193	143	155
Abstracts	24	98	95
Chapters in Books	22	5	16
Books	1	0	2

PATIENT CARE

The Department of Neurology is committed to delivering state-of-the-art care to patients with different neurological conditions. The outpatient department has provided consultations to over 98, 000 patients, including over 7, 000 speciality clinic consultations. Including regular and short admissions, our total inpatient admissions exceeded4, 500 last year.

Special clinics

- Ataxia Clinic
- Botulinum Toxin Clinic
- Deep Brain Stimulation Clinic
- Headache Clinic
- Drug Resistant Epilepsy Clinic
- Movement Disorders Clinic
- Neuro-infections Clinic
- Neuromuscular Disease Clinic
- Sleep Disorder Clinic
- Stroke Clinic.

Special lab facility

- An electrophysiology laboratory is equipped to perform nerve conduction studies, evoked potentials, electromyography, electroencephalography, video-electroencephalography, tremor analysis for diagnostic purposes, and transcranial magnetic stimulation for research indications.
- Neuro-Sonology–Transcranial Doppler (TCD) is available for diagnostic purposes.
- The neurobiology laboratory (under the Neurology department) offers special test facilities, including in-house autoimmune encephalitis testing and other autoimmune panels.

- Botulinum toxin injection services are provided regularly.
- Diagnostic digital subtraction angiography (DSA) is performed in neurovascular cases in collaboration with the neurosurgery department.

Patient care

Item	2022–2023	2023–2024	2024–2035
OPD Consultations	89,558	1,01,585	98,007
Total Inpatient (regular) Admissions	3,207	2942	2208
Day Care (short) Admissions		2671	2509
Lab Procedures	9, 519	11472*	12320

*OPD EEG-4451; Long Term for drug resistant epilepsy VEEG-398, STVEEG-112, Evoked Potentials-729, NCS/EMG-5642, MEGs 602.

Community services/camps

- The department conducted public awareness lectures and panel discussions on Epilepsy, Dementia, Parkinson's disease, multiple sclerosis andstroke.
- Prof Mamta Bhushan Singh offered epilepsy outreach services in several states.
- Dr. Jasmine Parihar participated in community service through a three-day free Medical Check-up Program held in Mundgod, Karnataka, collaborating with the Patient Care Trust (NGO) and AIIMS, New Delhi, contributing to neurological screening and patient education.
    1. Public Awareness Program on Parkinson's Disease, 18 April 2024, AIIMS Delhi
    2. Public Lecture on Multiple Sclerosis, 3 June 2024, AIIMS Delhi
    3. Public Awareness Program on Stroke, 28 October 2024, AIIMS Delhi

AWARDS, HONOURS, AND SIGNIFICANT EVENTS

Professor Manjari Tripathi received Dr. S. Ramachandran Chair for Neurosciences Award 2025, AIIMS, New Delhi. Inspected the Neurology Department at Accord Super-specialty Hospital as part of the National Board of Examination of Medical Sciences accreditation process on 4 October 2024, Faridabad.External Examiner for the DM, Neurology, G.S. Medical College, Mumbai on 9 January 2025.Expert for the Selection Committee (Virtually) at King George's Medical University, Lucknow on 11 December 2024 Chaired session at Asian Oceanian Epilepsy Congress, Delhi on 21 and 22 February 2025.Attended PhD Committee Meeting at NIMHANS Bangalore on 1 March 2025.Invited as Expert Faculty Selection Interview at AIIMS Deoghar on 7 March 2025.PhD Committee Member at NIMHANS Bangalore on 26 March 2025.

Professor Deepti Vibha was Expert/selection committee member for various selection committees within and outside AIIMS. Chairperson for the session in Workshop on Ultrasound of Nerve and Muscle by IAN- Neuromuscular Group, 23 June 2024. Expert/moderator for the Indian Academy of Neurology- stroke subsection, Journal Club, 9 August 2024. Expert panellist for online event in Problem-Based Learning and Discussion by Neurocritical Care Society of India, 19 November 2024. Chairperson for the session in Movement Disorders, CREST Neuro-Conclave 2025, from January 9-12, 2025, at JW Marriott, New Delhi. Quiz master at the Alzheimer's Association International Conference (AAIC) Neuroscience Next 2025 – India Hybrid Hub. 26-27 of February 2025, at the India International Centre (IIC), Lodhi Estate, New Delhi, India. Expert speaker and panel member of the Brain Death Certification Course by ORBO and NOTTO. Member of the AIIMS Annual Report Committee.

Dr Roopa Rajan was Quiz master: 2nd Ashok Panagariya Memorial Quiz competition.

Awadh K Pandit Chaired a session at the CREST Neuro-Conclave 2025, Delhi, 9 to 12 January 2025.

Rajesh Kumar Singh Serves as Assistant Editor for Neurology India.

Anu Gupta Research titled 'Neuropsychological and functional outcomes of early and late-onset dementia' at AAIC NN, India, hybrid hub 2025, won the best oral presentation award. Research on CSF biomarkers in neurodegenerative dementia in India was chosen for the lightning presentation round. It was one of four abstracts selected from India for international

telecast at AAIC NN, India hybrid hub 2025. Chaired a session on dementia at the AAIC NN, India hybrid hub on 26 February 2025.

Elavarasi A Completed Clinical Fellowship in Movement Disorders, Advanced Therapeutics, and Neuromodulation at the University of Western Ontario, London, Ontario, Canada. Case presentation in the Grand Video Challenge of Movement Disorders at the 30th World Congress on Parkinson's Disease and Related Disorders. Runner-up in the Video Tournament at the Asian Oceanian Parkinsonism and Movement Disorders Congress (AOPMC) 2025 in Tokyo, Japan. Travel grant award to the MDS Congress 2024 in Philadelphia and the Canadian Movement Disorders Society Meeting in Toronto. Junior Faculty Award, MDS-AOS, SYNERGIES, July 2024, held as part of the MDS AOS Genetics School in Kuala Lumpur. Member of the MDS Electronic Clinical Outcome Assessments (eCOA) Committee, MDS Evidence-Based Medicine (EBM) Non-Motor Subcommittee, and MDS Neurosurgery Special Interest Group. Peer Educator in the MDS Peer Reviewing Education and Mentoring Program (2022–2024).

Dr Divya MR Completed advanced training in Movement disorders under the MDS-AOS visiting trainee Grant Program 2024 from the Centre of Excellence for Parkinson's Disease & Related Disorders, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand. Participant in the Video Tournament of the 9thAsian Oceanian Parkinsonism and Movement Disorders Congress (AOPMC) 2025, Tokyo, Japan. Certified in the Advanced Neuropalliative Care Course by the International Neuropalliative Care Society. Finalist, MDS Video Challenge at the MDS Congress 2024 in Philadelphia, USA. Assistant Editor of Annals of Movement Disorders (Official journal of the Movement Disorder Society of India). External Evaluator, MD Medicine Thesis, PGIMER Chandigarh. Steering Committee member, International Parkinson and Movement Disorder Ataxia Study Group. Workshop Faculty and Coordinator -Cutting-edge Neurophysiology for Movement Disorders at MDSICON 2025 Varanasi. Judge, Poster Session- Tremor and Myoclonus at MDSICON 2025 Varanasi

Dr Ayush Agarwal World Stroke Organisation- Future Leader's Programme Awardee for 2022-24. Assistant Editor, Annals of India Academy of Neurology (2022-). India Representative, Young Neurologist Academy: Asia and Oceanian Association of Neurology (AOAN) (2023-2025). Professor MV Padma Srivastava awardee for best paper in Critical Care Neurology at IANCON 2024

VISITING SCIENTIST

Professor Prassanna Jayakar spoke on MRgFUS in focal epilepsies.

Dr. Alfonso Fasano, Chair in Neuromodulation and Multidisciplinary Care at the University of Toronto, delivered a visiting faculty lecture on advanced deep brain stimulation.

Dr. Vibhor Krishna, Associate Professor at the University of North Carolina, Chapel Hill, NC, USA, and Dr. Daniel Roque, Associate Professor at UNC Neurology, Chapel Hill, USA, delivered lectures on MR-guided focused ultrasound.

Dr Deepa Dash, Assistant Professor of Neurology, Western University, London, delivered a lecture on treatment updates in Huntington's Disease.



Photos of Significant events conducted by the department/faculties





ASEPA EEG workshop



Department of Neuropathology

Neuropathology Laboratory
Professor In-charge
MC Sharma
Professor
Vaishali Suri

HIGHLIGHTS

In the year 2023-2024 unit of Neuropathology has been able to maintain high standard academics and state of art clinical services. The unit is engaged in routine diagnostic services (total of 2577 cases), teaching of undergraduate, postgraduate, DM, Mch and PhD students; as well as high quality research in various subspecialties of Neuropathology.

Steps taken to improve patient care services and research in past year

The Neuropathology laboratory has significantly enhanced its molecular diagnostic capabilities with the addition of advanced platforms such as Next-Generation Sequencing (NGS), Fluorescence In-Situ Hybridization (FISH), Sanger Sequencing, and Real-Time PCR. These technologies are now routinely utilized in the molecular and cytogenetic work-up of neurooncology cases. The diagnostic immunohistochemical panel has been expanded, and a total of 20, 576 slides were stained and analysed during this period. The unit continues to integrate clinically relevant molecular markers into histopathological reports, particularly in the domains of neurooncology and myopathology. The Neuropathology faculty have secured funding for 8 extramural research projects, and 26 research papers have been published in peer-reviewed national and international journals. Research findings have been presented at various academic platforms, with students earning 5 awards for their work. Notably, the Neuropathology Laboratory successfully organized the 7th National Conference of the Neuropathology Society of India, which featured four specialized workshops on molecular neuro-oncology. The event was attended by over 400 delegates from across the country and abroad, marking a significant academic milestone for the department.

Action Plan for coming year:

To provide a combination of highest quality of diagnostic Neuropathology services, teaching, advanced translational research and develop skilled manpower in the super-specialty.

EDUCATION

Neuropathology/Neurology/Neurosurgery conference, 1.5 hours every Friday

Training of postgraduate graduate (MD pathology) students on FISH platform, Twice a year

15 days teaching and training of DM Neurology candidates, On rotation basis

CMEs/Workshops/Symposia/National and International Conferences

7th National Conference of the Neuropathology Society of India (NPSICON–2025), held from 20-22 February 2025 at the AIIMS, New Delhi. As part of the scientific program, they conducted four specialized hands-on workshops on cutting-edge molecular techniques in neuro-oncology, including FISH Assay, Sanger Sequencing, Methylation Profiling, and Next-Generation Sequencing (NGS). The event was a major academic milestone, drawing participation from leading experts and over 400 delegates from across the country.

Lectures delivered at CMEs, National and International Conferences

Lectures delivered: 15

MC Sharma: 9 **Vaishali Suri: 6**

MC Sharma

1. Workshop on fluorescence in situ hybridization (FISH), 4th Annual Conference of Indian Society of Neuro-Oncology (ISNOCON 2024), 4-7 April 2024, PGIMER, Chandigarh
2. Erdheim – Chester disease of central nervous system – two interesting cases, Australian & New Zealand Society for Neuropathology, 31 August-4 September 2024, Queenstown, New Zealand
3. Infectious muscle disease- A comprehensive care study of patients from Indian cohort, 29th Annual Congress of the World Muscle Society, 08-12 October 2024, Prague, Prague Republic of Czechia

4. Evaluation of clinico- Pathological and genetic spectrum of FLNC mutations in indian cohort, 29th Annual Congress of the World Muscle Society, 08-12 October 2024, Prague, Prague Republic of Czechia
5. Approach to adult type diffuse glioma, Annual CME- update in Neurosciences, 16 November 2024, Rajive Gandhi Cancer & research hospital, New Delhi
6. Submicroscopic session – Role of Electron Microscopy in Muscle Diseases, 72th Annual Conference of IAPM & IAP-D, 11-15 December 2024, Scb medical College, Cuttack Medical college, Odisha
7. Clinicopathology case presentation (Pathology discussant), 27th Annual Conference of the Delhi Neurological Association- DNACON, 2 February 2025, Vivanta by Taj Dwarka, New Delhi
8. Advances in the solid tumor molecular Diagnosis, 12th Annual Conference of Molecular Pathology Association of India, 13-16 February 2025, Christian Medical College(CMC), Vellore, Tamil Nadu
9. Diagnostic Strategies for Ependymomas, 7th Annual Conference of Neuropathology Society of India NPSICON 2025, 20-22 February 2025, AIIMS, New Delhi

Vaishali Suri

1. A clinically applicable integrative molecular classification of Meningiomas - Consensus, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh.
2. DNA methylation profiling CNS tumors, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh.
3. Milestone in our journey to unravel molecular genetic alterations in clinical management of meningiomas, WANS & SENEC-2024, 8-12 May 2024, Malaga Spain
4. Current status of DNA methylation profiling in the diagnosis of CNS tumors and AIIMS experience, WANS & SENEC-2024, 8-12 May 2024, Malaga Spain
5. Deep Dive into pathogenesis of pediatric gliomas, 2nd Neuro & Spine Onco Update 2024, 16 November 2024, New Delhi
6. DNA Methylation Profiling: Insights from Resource-Limited Settings, 7th Annual Conference of Neuropathology Society of India NPSICON 2025 (Conduct as a Orz Secretary), 20-22 February 2025, New Delhi

Total number of lectures delivered:

2022–2023	2023–2024	2024–2025
9 (5 + 4 CPC & Role of Electron microscopy in pathology & Immunohistochemistry)	**10**	**05**
7	**12**	**06**

List of oral papers/posters presented

1. Agrima Sharma, Dysregulation in supratentorial ependymomas: Distinguishing RELA fusion-positive and fusion-negative subtypes through small molecule sequencing, 15th Annual conference of Indian Society of Neuro-Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
2. Amritha S M*, High Grade Astrocytoma with Piloid Features: A case report, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
3. Bandana Jassal, Identification of Class I HLA genetic predispositions and prediction of autoantigenic epitopes in dermatomyositis patients of Indian origin, 29th Annual Congress of the World Muscle Society (WMS 2024), 8-12 October 2024, Prague, Czechia.
4. Bandana Jassal, Genetic predisposition of ClassI and Class II HLA and autoantigen epitope prediction in clinical and autoantibody defined subgroups of Idiopathic Inflammatory Myopathy (IIM)", 7th National conference of Neuropathology Society of India (NPSICON 2025, 20-22 April 2025, New Delhi.
5. Bandana Jassal, A novel clinic - sero-histopathological classification system for improved subgrouping of idiopathic inflammatory myopathies, 7th National conference of Neuropathology Society of India (NPSICON 2025, 20-22 April 2025, New Delhi.

6. Bandana Jassal**, A novel clinico-sero-histopathological classification system for improved subgrouping of idiopathic inflammatory myopathies, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
7. Charli Roy***, Unravelling Medulloblastoma: A Multiomic Profiling Strategy for Precision Diagnosis, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
8. Jyotsna Singh, Assessment of Prognostic Biomarkers for Developing Economical Strategy for Risk Stratification in Meningiomas, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
9. Kirti Srivastava, "Deciphering Atypical Teratoid/Rhabdoid Tumour Subtypes: Insights from Methylation Profiling, 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
10. Nimishya Joon**, Insights into Diffuse Hemispheric Gliomas with H3G34 Mutations: A Retrospective Analysis of 11 Cases, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
11. Rafat Malik, Unraveling The interplay Between Pd-L1 And Cd44 In Supratentorial Ependymoms: Implications For Prognosis And Therapy, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
12. Rafat Malik, Unraveling the Interplay Between PDL1 and CD44 in Supratentorial Ependymomas: Implications for Prognosis and Therapy, 15th Annual Conference of the Indian Society of Neuro-Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
13. Rafat Malik, Unveiling Long Non-Coding RNAs in Ependymomas: Advancing Biomarkers and Treatment Strategies, 27th Annual Conference of the Delhi Neurological Association (DNACON 2025), 1-2 February 2025, New Delhi.
14. Rafat Malik, Unveiling Long Non-Coding RNAs in Ependymomas: Advancing Biomarkers and Treatment Strategies, 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
15. Rafat Malik, Deciphering the Role of Long Non-Coding RNAs in Ependymoma Pathobiology: Advancing Novel Biomarkers for Prognosis and Therapeutics, Fifth Science Conclave-cum-National Biomedical Research Competition (NBRCOM 2024), 2-3 December New Delhi
16. Rafat Malik, Characterization of Long Non-Coding RNAs in Ependymomas: Uncovering Potential Biomarkers and Therapeutic Targets, AACR Annual Meeting 2025 (American Association for Cancer Research), 25-30 April Chicago, Illinois
17. Rosy Bala*, Atypical Teratoid/Rhabdoid Tumor with Unusual Immunophenotype: The Critical Role of Methylation Profiling in Resolving Diagnostic Challenges, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
18. Sanjana S James#, Exploring the role of reactive oxygen species regulatory proteins in the pathogenesis of Cerebral small vessel disease, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
19. Snehvarsha Bhagat***, Anti-synthetase Syndrome – Finding a needle in a haystack: A series of 12 cases, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
20. Supriya Bhardwaj, Mismatch Repair Protein Deficiency And Pd-L1 Expression in Pediatric And AYA Hgg, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
21. Supriya Bhardwaj, Mismatch repair protein deficiency and PD-L1, P53 expression in pediatric and AYA HGG, 15th Annual conference of Indian Society of Neuro-Oncology (ISNOCON 2024), 4-7 April 2024, Mohali Chandigarh
22. Supriya Bhardwaj, Mismatch Repair Protein Deficiency And Expression Of Immune Checkpoint Markers In Pediatric And AYA HGG, 4th Research Day, 30 January 2025, New Delhi
23. Supriya Bhardwaj, Unveiling MMR deficiency in pediatric and AYA high-grade gliomas in India: Insights from multi-omic profiling, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi

24. Supriya Bhardwaj, Exploring Novel Entities of Diffuse High-Grade Gliomas: MAPK Pathway-Altered Subtype in Pediatric and AYAs, 7th National Conference of Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
25. Supriya Bhardwaj*, Unraveling Pediatric High-Grade Gliomas: Novel Insights into Diagnostic Framework of H3-Wildtype and IDH-Wildtype Subtype, 27th Annual Conference of the Delhi Neurological Association (DNACON 2025), 1-2 February 2025, New Delhi.
26. Swati Singh, Investigating the clinical role of liquid biopsy in the detection of IDH1 R132H mutation in gliomas, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
27. Swati Singh, Investigating the Clinical Role of Liquid Biopsy in the Detection of IDH1 R132H Mutation in Gliomas, 15th Annual Conference of the Indian Society of Neuro-Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh
28. Swati Singh##, Comprehensive Molecular Profiling of Gliomas Using FFPE and cfDNA: Evaluating the Diagnostic Potential of Liquid Biopsies Through NGS, 27th Annual Conference of the Delhi Neurological Association (DNACON 2025, 1-2 February 2025, New Delhi
29. Swati Singh###, Clinical Utility of Plasma Cell-Free DNA (cfDNA) in Diffuse Gliomas for the Detection of IDH1 R132H Mutation, Neuropathology Society of India (NPSICON 2025), 20-22 February 2025, New Delhi
30. Trishala Mohan, Evaluating the transcriptomic landscape of meningiomas: implications for prognosis and therapeutic insights, 15th Annual conference of Indian Society of Neuro- Oncology (ISNOCON 2024), 4-7 April 2024, Mohali, Chandigarh

*Best Poster Award

##Best paper Award

###Subimal Roy Award

**Price for best poster

***Best flash presentation

#Best oral presentation

Total number of oral/poster presentations:

Presentation	2022–2023	2023–2024	2024–2025
Paper award + Poster award + Awards + Certificate award	**8**	**14**	**31**

RESEARCH

Funded

Ongoing

MC Sharma

1. Unraveling RNA landscape in posterior fossa ependymal tumors using integrative transcriptome analyses, Prof M C Sharma, ICMR, 3 years, 2023-2026, Rs 80 Lakhs

Ongoing

Vaishali Suri

1. Establish robust and economical blood-based panel of diagnostic biomarkers for early diagnosis, detection of tumor progression and its recurrence in gliomas. Professor V. Suri, ICMR, 3 years, 2021-2024, Rs 100 Lakhs
2. To analyse the molecular profile of paediatric gliomas and establish robust and economical methods for molecular sub grouping and risk stratification, Professor V. Suri, DBT, 3 years, 2021-2024, Rs 80 Lakhs
3. Methylation array-based profiling of gliomas in Adolescents and Young Adults (AYA) to improve sub-classification and prognosis prediction, Porf. V Suri, ICMR, 3 years, 2022-2025, Rs 80 Lakhs

4. Transforming CNS Tumor Care: Harnessing Histopathological Data, Multi-omics, and Artificial Intelligence for Precision Diagnosis and Effective Management. Porf. V Suri, ICMR, 5 years, 2024-2029, Approximately Rs 14 Crore)
5. Global Outreach study of Methylation-based classification tools for CNS Tumors and sarcomas, Porf. V Suri, DKFZ, 5 years, Awaited, 1000 Kits for methylation profiling per year
6. MGMT expression profiling and its correlation with response to TMZ in high-grade gliomas in pediatric and AYA population, Prof V Suri, AIIMS Intramural, 2 years, 2023-2025, Rs 5 Lakhs

Completed Projects

1. Evaluation of potential diagnostic value of circRNA in meningiomas for risk stratification and its role in therapeutic intervention, Professor V. Suri, ICMR, 3 years, 2020-2023, Rs 78 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

1. Immunofluorescence for dysferlinopathy
2. Line immunoassay for myositis-specific and myositis-associated autoantibody detection
3. Immunoblot for dysferlin and calpain
4. Genetic and epigenetic profiling of AYA population
5. MGMT promoter assessment by qualitative and quantitative assay
6. Molecular profiling of ependymoma
7. Transforming CNS Tumor
8. Global Outreach study of Methylation-based classification
9. Evaluation of the efficacy of HIP1R Vimentin and H3K27ME3 as a surrogate marker in Oligodendroglioma
10. Unveiling MMR deficiency in pediatric and AYA high-grade gliomas

Completed

1. Assess molecular and immune profile of PXA
2. Assess molecular profile of meningiomas
3. To analyze immune microenvironment of different grades of gliomas
4. IDH mutation assessment by Sanger sequencing and ddPCR
5. Evaluation of potential diagnostic value of circRNA in meningiomas
6. Molecular profile of IDH wildtype and mutant gliomas
7. Evaluation of miRNA profiling of meningiomas
8. Transcriptomic profiling by Nanostring
9. MGMT expression profiling and its correlation

Collaborative projects

Ongoing **(Please do not provide faculty names)**

1. Histopathological Immunohistochemistry analysis of Posterior Atlanto Occiptal Membrane in Patients with Congential/Development Craniovertebral anomalies, Department of Neurosurgery
2. MGMT expression profiling and its correlation with response to TMZ in high grade gliomas in pediatric and AYA population, Department of Radiology (2023–2025)
3. Creation of gold standard Medical imaging datasets of dural based lesions treated with primary gamma knife radiosurgery or Microsurgery for developing artificial intelligence tools, Department of Neurosurgery

Research over 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funding	**Rs 425 Lakhs**	**Rs 345 Lakhs**	**Rs 2107 Lakhs**

Publications

Journals: 18 **Abstracts: 01**

Publications over past 3 years

Items	2022–2023	2023–2024	2024–2025
Total	49	15	19
Journal articles	24	–	18
Abstracts	2	–	1
Chapters in books	7	–	–
Books	1	–	–
Case report	9	–	–
Reivew Article	7	–	–

PATIENT CARE

NEUROPATHOLOGY LAB

Year	2022–2023	2023–2024	2024–2025
Total No. of specimens	2427	2454	2577
Intraoperative frozen section diagnosis	424	477	457
Immunohistochemistry (FFPE)	14, 158	14830	12785
Fluorescence in-situ hybridization	1271	1014	823
Muscle biopsies (frozen)	240	219	222
Muscle Enzyme histochemistry	910	632	702
Muscle Immunohistochemistry	1765	2057	2207
Muscle immunofluorescence	128	57	183
Immunoblot	75	130	69
Electron microscopy	243		224
Sanger sequencing qPCR/RTPCR	339	196/68	194/133 = 327
Total Units (Each item in column is taken as one unit)	**21, 980**	**22, 134**	**20, 576**

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr Trishala Mohan presented a poster and won the **first prize** for the study entitled, "Evaluating the transcriptomic landscape of meningiomas: implications for prognosis and therapeutic insights" at 15th Annual conference of Indian Society of Neuro-Oncology (ISNOCON 2024) held on 4 to 7 April 2023, Mohali, Chandigarh.

Dr Agrima Sharma presented a poster and won the **Second prize** for the study entitled, "Dysregulation in supratentorial ependymomas: Distinguishing RELA fusion-positive and fusion-negative subtypes through small molecule sequencing" at 15th Annual conference of the Indian Society of Neuro-Oncology (ISNOCON 2024) held on 4th to 7th April 2023 Mohali Chandigarh.

Dr Swati Singh presented in the award paper category and **won the second prize** for the study titled "Comprehensive Molecular Profiling of Gliomas Using FFPE and cfDNA: Evaluating the Diagnostic Potential of Liquid Biopsies Through NGS" at the 27th Annual Conference of the Delhi Neurological Association (DNACON 2025), held on February 1-2, 2025, at Vivanta by Taj, Dwarka, New Delhi. She has been awarded the Dr. Subimal Roy Award for the best published paper in Neuropathology, titled "Clinical Utility of Plasma Cell-Free DNA (cfDNA) in Diffuse Gliomas for the Detection of IDH1 R132H Mutation" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi.

Dr Bandana Jassal has been awarded the Young Investigator Award titled "Genetic Predispositions of Class I and Class II HLA and Autoantigen Epitope Prediction in Clinical and Autoantibody Defined Subgroups of Idiopathic Inflammatory Myopathy (IIM)" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi.

Dr Ashish Wadekar has been awarded the Best Resident Award titled "Evaluating the efficacy of Hip1R, Vimentin and H3K27Me3 as surrogate markers for 1p/19q co-deletion in oligodendroglioma" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Dr Amritha S M has been awarded the Best poster presentation titled "High Grade Astrocytoma with Piloid Features: A case report" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Dr Rosy Bala has been awarded the Best poster presentation titled "Atypical Teratoid/Rhabdoid Tumor with Unusual Immunophenotype: The Critical Role of Methylation Profiling in Resolving Diagnostic Challenges" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Dr Nimishya Joon has been awarded the Best poster presentation titled "Insights into Diffuse Hemispheric Gliomas with H3G34 Mutations: A Retrospective Analysis of 11 Cases" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Dr Charli Roy has been awarded the Best flash presentation titled "Unravelling Medulloblastoma: A Multiomic Profiling Strategy for Precision Diagnosis" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Dr Snehvarsha Bhagat has been awarded the Best flash presentation titled "Anti-synthetase Syndrome – Finding a needle in a haystack: A series of 12 cases" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Dr Sanjana S James has been awarded the Best oral presentation titled "Exploring the role of reactive oxygen species regulatory proteins in the pathogenesis of Cerebral small vessel disease" at the 7th Annual Conference of the Neuropathology Society of India (NPSICON 2025), held from February 20-22, 2025, at AIIMS, New Delhi

Department of Neurosurgery

Emeritus Professor

Prakash Narain Tandon — Ajit K. Banerji

Head of the Department

Shashank Sharad Kale

Professors

P. Sarat Chandra — Ashish Suri
Rajinder Kumar — Vivek Tandon
Sachin Borkar — Shashwat Mishra
Amandeep Kumar — Rajeev Sharma
Shweta Kedia — Hitesh Gurjar

Professors (JPNATC)

Deepak Agrawal — Deepak Gupta — Gurudutt Satyarthee

Additional Professor (JPNATC)

Pankaj Kumar Singh

Additional Professors

Ramesh Doddamani — Dattaraj Sawarkar
Kanwaljeet Garg — Manoj Phalak

Associate Professors

Amol Raheja — Satish Verma
Rajesh Meena

Assistant Professors

Santanu Kumar Bora — Surya Krishna Gour

HIGHLIGHTS

The Department of Neurosurgery has continued to excel in patient care, research & training during the year 2024-2025. In last one year, department of Neurosurgery performed 4787 neurosurgical procedures and at the Gamma-knife centre, 1029 cases of GKRS were performed. We successfully conducted 27th Annual Micro-neurosurgery Workshop which is a unique workshop that aims to impart neurosurgical skills to young neurosurgeons from India and abroad. In this workshop, neurosurgery stalwarts including Professor Dhirender Prasad (USA) and Professor Dipankar Nandi (UK), both alumni from our institute, shared their experience and knowledge with the delegates. This years' Microneurosurgery workshop was a great success with very good participation & was much appreciated for its scientific content. We also celebrated Diamond Jubilee of our department which was attended by four generation of neurosurgeons from our department including our founding fathers Prof PN Tandon & Prof AK Banerjee and it was a grand success. Our department also organised 12th AIIMS annual spine workshop SPINECON 2024 which was a great success in terms of scientific content and delegate participation. Not lagging behind in research, our department has published 128 research articles in both national & international high impact journals. Our department has also published two books (on Spine surgery and Gamma knife) this year.

EDUCATION

On weekly basis, seminar/journal club/case presentation/mortality presentations were organized for the MCh residents.

Department's faculty took great interest in teaching; following activities were organized during the year 2022-2023:

Undergraduate

Our faculty took lectures for undergraduate students on various topics including Head Injury management, Presentation and Management of brain tumors, Symptomatology and localization of neurosurgical cases and Brain death.

Nursing

Our faculty members took more than 25 online lectures in college of nursing to teach nursing students.

Postgraduate

On weekly basis, seminar/journal club/were organized for the MCh residents.

Innovative training programs- Department was instrumental in organizing following training programs

Neurosurgery Simulation-based Short Term Skills Training Program: Neurosurgery Skills Training Facility (NSTF) and Neurosurgery Education and Training School (NETS) Convener: Prof Ashish Suri

- **Simulation-based neurosurgery skills training sessions:** 693
- **Simulation-based short-term neurosurgery skills training** = 9
  - 4 weeks short term training = 3
  - 2 weeks short term training = 6
- **NETS Weekend Workshops (no of residents)** = number of workshops = 10; number of trainees = 61
- **E-learning in neurosurgery skills training (1st April 2024 to 31st March 2025)**
  - Surgical videos = 63,222 views; new subscribers = 778
  - Website views = 5900 views
  - Discussion forum Total Likes = 9751

CMEs/Workshops/Symposia/National and International Conferences

1. **27th AIIMS annual Microneurosurgery workshop: February 2025**
2. **8th AIIMS Annual Neurotrauma Conference 2023: 10-13 April 2025**
3. AIIMS annual spine workshop **SPINECON 2024, 28-31 August 2024**
4. Cadaveric Workshop on Brachial plexus surgery & Beyond, **4-5 December 2024**
5. 1st ISPNS - AIIMS Workshop and Symposium on 'Neuromodulation in Pain', **3-5 May 2024.**

Lectures delivered at CMEs, National and International Conferences

Lectures delivered:

Shashank Sharad Kale: 8	**PS Chandra: 10**	**Ashish Suri: 34**
Rajinder Kumar: 4	**Sachin Borkar: 18**	**Shashwat Mishra: 5**
Rajeev Sharma: 5	**Shweta Kedia: 17**	**Hitesh Kumar Gurjar: 3**
Kanwaljeet Garg: 12	**Dattaraj Sawarkar: 5**	**Ramesh Sharanappa Doddamani: 6**
Amol Raheja: 8	**Surya Sri Krishna Gour: 6**	

Shashank Sharad Kale

1. Syndromic Cervical Kyphosis, The Neurosurgical Week, 02-06 August 2024, Mumbai
2. Odontoid Fracture Treatment complications, Neurotrauma, 2024, 9-11 August 2024, Pune
3. Trouble with the curve, NSI Faculty Program, 17-18 August 2024, Bangalore
4. Trouble with the curve, 27th Annual Conference of The Neuro-Spinal Surgeons Association of India (NSSA SpineCon 2024), 19-22 September 2024, Hyderabad
5. Measurement, IANCON 2024, 16-20 October 2024, Visakhapatnam
6. Cervical myelopathy, Association of Neuroscientists of Eastern India, ANEICON 2024, 29 November-1 December 2024, Puri, Odisha
7. Cervical disc replacement is more often unnecessary, 72nd Annual Conference of Neurological Society of India (NSICON 2024), 17-22 December 2024, Kolkata
8. Measurement, AASNS International Neurosurgery Update, 21-23 February 2025, Chennai

PS Chandra

1. SEEG for Epilepsy, AIIMS Bhubaneswar, 12-13 April 2024, Bhubaneswar
2. Corpus callostomy, 7th Walter E Dandy Neurosurgical Society Conference at Shillong, 26-28 April 2024, Shillong
3. The DCER technique for AAD Absolute alcohol embolization for vertebral body haemagiomas, World Academy of Neurosurgical Surgery Meeting and Spanish Society of Neurosurgery At Spain, 08-12 May 2024, Spain
4. New frontiers in epilepsy surgery, 31st Annual Conference of Andhra Pradesh, Guntur, 19 July 2024, Guntur
5. Managing severe basilar invagination and atlanto-axial dislocation, conference of Academy for Advancing Neurosurgery and craniovertebral Junction and Spine Society at Mumbai, 03-05 August 2024, Mumbai
6. Evolution of hemisphertomy, conference Salford Royal NHS Foundation Trust at Stott Lane UK, 01-06 September 2024, UK
7. Radio-frequency techniques in epilepsy surgery, 15th European Epilepsy Congress at Rome, Italy, 07-11 September 2024, Italy
8. SEEG-RFTC for MRI negative epilepsy, 18th Asian Epilepsy Surgery Congress (AESC) at Surabaya, Indonesia, 10-12 October 2024, Surabaya, Indonesia
9. Recent advances in Hemispherotomy, conference on pediatric epilepsy surgery congress at Kochi, 08 November 2024, Kochi
10. Recent advances in neurosurgery, NSI Conference at Kolkata, 18-20 December 2024, Kolkata

Ashish Suri

1. Surgery of Cavernous Sinus Hemangioma, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
2. Modified Kawase Approach to Petrous Apex Pathology, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
3. Panel discussion & Interactive Session-Lateral Skull Base Tumors, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
4. Moderator on- Posterior Skull Base and Foramen Magnum Tumors, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
5. Low Flow Bypass Surgery, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
6. Panel discussion- Bypass Surgery, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
7. Debate on Supra Sellar Meningioma -Microsurgical Excision Vs Endoscopic Excision, 7th Walter E. Dandy India Chapter, Walter-E Dandy Neurosurgical Society- India Chapter, 26-28 April 2024, Shillong, Meghalaya
8. Neurosurgery Simulation Training- 3D, AI, VR. Annual Festival of Neurosurgery "The Neurosurgical Week, 5-6 August 2024, Mumbai, Maharashtra
9. Surgical Nuances in Cavernous sinus invasion of pituitary adenomas, Annual Festival of Neurosurgery "The Neurosurgical Week", 5-6 August 2024, Mumbai, Maharashtra
10. Chairperson-Base of Skull Neurosurgery-The BOSS, Annual Festival of Neurosurgery "The Neurosurgical Week", 5-6 August 2024, Mumbai, Maharashtra
11. Faculty for Hands-on Micro-surgery and Microvascular Surgery Workshop, Board of Education-NSI Zonal Hands-on Workshop, 30-31 August 2024. Jaipur, Rajashthan
12. Extended Endoscopic Endonasal Approach for Skull Base, Neuroendoscopy Workshop (Cranial- SkullBase & Spine), 14-15 September 2024. Jaipur, Rajashthan
13. Complex posterior circulation aneurysms- Surgical Techniques, 24th Annual Conference of the Cerebrovascular Society of India -Neurovascon-2024, 27-29 September 2024, Jaipur, Rajashthan

14. Demo on Translational Transpenoidal approach to sella/clivus and cavernous sinus, 25th Annual Conference of the Skull Base Surgery Society of India- SBSSICON-2024, 24-26 October 2024, GB Pant Hospital, New Delhi, Delhi, India
15. Surgery for Cavernous Hamangioma of Cavernous Sinus, NSI Videothon-2024, How I Do It ! A celebration of Indian Neurosurgery, 9-10 November 2024. Virtual Mode
16. Hydocephalus treatment options, complications and clinical presentations, Neurosurgery Master Class, CME, 16 November 2024, New Delhi, India
17. Surgical Management of Craniophryngioma, 2nd Neuro & Spine Onco Update-2024, 16 November 2024, Rohini, Delhi, India
18. Extended Endoscopic Approach for Pituitary Adenomas, 19th Endoscopic Skull-base Surgery Workshop, 22-23 November 2024, Mumbai, Maharashtra
19. Management of Small and Medium Sized Vestibular Schwannomas. 34th Annual Meeting of the North American Skull Base Society (NASBS) and 9th World Congress of the World Federation of Skull Base Surgery Societies (WFSBS) joint meeting, 13-16 February 2025, New Orleands, LA, USA.
20. Emerging Disruptive Technologies in Neurosurgery in the Session "Future Challenges in Neurosciences:, Annual Conference of the Delhi Neurological Association-2025 (DNACON-2025, 1-2 February 2025, Taj Vivanta, Dwarka, New Delhi
21. Complication avoidance in Giant Pituitary Adenoma, 5th International Conference on Complication in Neurosurgery-ICCN, 6-9 March 2025, Goa, India
22. Cadaver Demo in Skull Base Workshop, World Neurosciences Conclave: Skull Base Workshop, 18 March 2025, JPNA Trauma Centre, AIIMS, New Delhi
23. Far lateral approach and its variations: Surgical video, World Neurosciences Conclave, 18 March 2025, JPNA Trauma Centre, AIIMS, New Delhi
24. Cadaver Demo of Far lateral approach, World Neurosciences Conclave, 18 March 2025, JPNA Trauma Centre, AIIMS, New Delhi
25. Endoscopy workshop Cadaver demo of nasal endoscopy for sellar suprasellar lesions, World Neurosciences Conclave Endoscopy workshop, 18 March 2025, JPNA Trauma Centre, AIIMS, New Delhi
26. Cadaver Demo: Endonasal Endoscopic Trans-Sphenoidal Approach, 11th Annual Meeting of the Neuro-endoscopy Society of India and 9th Meeting of the Madurai Neurosurgical Academy, 20-23 March 2025, Chennai, Tamil-Nadu
27. Cadaver Workshop on Neuro-endoscopy, Interim Meeting of the Skull Base Surgery Society-2024, 3-4 May 2024. Hyderabad, Andhra Pradesh
28. Sphenoid Sinus and Sellar Exposure, Interim Meeting of the Skull Base Surgery Society -2024, 3-4 May 2024. Hyderabad, Andhra Pradesh
29. Pituitary Adenomas, endonasal approach, Interim Meeting of the Skull Base Surgery Society-2024, 3-4 May 2024. Hyderabad, Andhra Pradesh
30. Midline Skullbase Meningiomas-Surgical Philosophy, 15th Annual Conference of the Indian Society of Neuro-oncology, 5-6 April 2024, Chandigarh, India
31. Simulation Training in Microneurosurgery - from Animals & Cadavers to 3D Printing & AI Artificial Intelligence, 1st Congress of Yasargil Microneurosurgery Academy, 4-7 June 2024. Istanbul, Turkey,
32. Advancing Neurosurgery Simulation Training, 90th Anniversary General Meeting of Indian National Science Academy-INSA, 9-10 December 2024. Chennai, Tamil Nadu
33. Surgical management of Micro, Macro, Giant and Invasive Pituitary Adenomas, Joint Meeting of WANS & SENEC-2024, The Biennial Meeting of the World Academy of Neurological Surgery (WANS) and The Annual Meeting of the Spanish Society of neurosurgery (SENEC), 8-12 May 2024, Magala, Spain
34. Neurosurgery Simulation Training from Cadavers & Manniquins to Artificial Intelligence & 3D Printing, Joint Meeting of WANS & SENEC-2024, The Biennial Meeting of the World Academy of Neurological Surgery (WANS) and The Annual Meeting of the Spanish Society of neurosurgery (SENEC), 8-12 May 2024, Magala, Spain

35. Central Skull Base- Surgical Nauances and Simulation Training, Joint Meeting of WANS & SENEC-2024, The Biennial Meeting of the World Academy of Neurological Surgery (WANS) and The Annual Meeting of the Spanish Society of neurosurgery (SENEC), 8-12 May 2024, Magala, Spain

Rajinder Kumar

1. Giant vestibular schwannoma. Lessons learnt, Walter e dandy annual event of neurosurgical society of india Shillong, 26-28 April 2024, Shillong meghalya india
2. 7th nerve preserving techniques, Brain spine conference Maldives 2024, 9-12 September 2024, Maldives.
3. Outcome analysis of poor grade SAH patients. An analysis in apex institute. 6TH INTERNATIONAL CONFERENCE OF NSCCM, napalese society of critical care medicine, 13-16 November 2024 Chitwan Nepal, 13-16 November 2024 Chitwan Nepal, Chitwan Nepal
4. Tailored approach to skull base lesions with expanded endoscopy, Skull base 360 degree the full spectrum micro endo radiosurgery Strasbourg 20-25 January 2025, 20-25 January 2025, Strasbourg France

Sachin Borkar

1. Thoracic OLF: Strategies for complication avoidance, Annual meeting of Delhi Spine Society, DSSCON-2024, 13-14 April 2024, Delhi
2. Cervical laminoplasty & laminectomy Fusion (How I do it?), Mid west Chapter of Neurological Surgeons (MCNS) webinar, 25 April 2024, Online
3. Ultrasonic scalpel in spine surgery, Annual meeting of Neurosurgeons of North- West Zone, 27-28 April 2024, Faridabad
4. Tips of Drilling in Neurosurgery, Annual meeting of Neurosurgeons of North- West Zone, 27-28 April 2024, Faridabad
5. Intraoperative neuromonitoring in Spine Surgery, Institute of Neurosciences, Kolkata Spine Update-2024, 3-5 May 2024, Kolkata
6. Preoperative embolization of Spinal tumours: Dogma or Necessity ? Institute of Neurosciences, Kolkata Spine Update-2024, 3-5 May 2024, Kolkata
7. Sacral tumours: Strategies, Pearls and Pitfalls, Institute of Neurosciences, Kolkata Spine Update-2024, 3-5 May 2024, Kolkata
8. Radiation exposure & safety in Minimally Invasive Spine Surgery: Are we underplaying the menace ? Daejeon Woori Spine Hospital meeting, Daejeon, South Korea, 4 June 2024, Daejeon, South Korea
9. Spinal intramedullary tumors: Surgical technique, INDSPN virtual classroom – Spinal oncology, 28 July 2024, Virtual
10. Post-traumatic cervical kyphosis, Annual meeting of Neurotrauma Society of India, Pune, 8-11 August 2024, Pune
11. Thoracolumbar burst fractures: Current management and what's new? Annual meeting of Neurotrauma Society of India, Pune, 8-11 August 2024, Pune
12. Cervical kyphosis- case based discussion, Annual meeting of Neuro-Spinal Surgeons Association of India, 19-21 September 2024, Hyderabad
13. Strategies to optimize facial nerve outcome in large vestibular schwannoma surgery, Annual meeting of Skull base surgery society of India, 25-27 October 2024, Delhi
14. Thoracic OLF -complication avoidance and recent advances, Annual meeting of International Spinal Cord Society, 25-27 October 2024, Delhi
15. Surgical video-Middle third parasagittal meningioma, NSI-Videothon, 9-10 November 2024, Online
16. INDSPN virtual classroom – Case presenter, Surgical management of Craniopharyngioma, 30 November 2024, Online
17. Spine society delhi chapter bimonthly meeting, Cervical kyphosis, 14 December 2024, Delhi
18. AO Spine Advanced webinar, Anterior approaches to OPLL and CSM, 12 January 2025, Online

Shashwat Mishra

1. Surgical Clipping of ACOM Aneuryms: geometric thumb rule, NEUROVASCON 2024, 27 September 2024, New Delhi, Delhi
2. Surgery for large vestibular schwannomas: Advantage of sitting position, MASSIN Congress 2024, 2 October 2024, Houston, USA
3. The learning curve for performance of extradural surgical clinoidectomy, EANS congress, 15 October 2024, Sofia, Bulgaria
4. Sitting position for large vestibular schwannomas: lessons learnt, SKULLBASECON 2024, 24 October 2024, New Delhi
5. Anterior third ventricular lesions, NSICON 2024, 18 December 2024, Kolkata, Bengal

Rajeev Sharma

1. CARPEL TUNNEL SYNDROME (paper), ISPNScon INTERIM 2025, 10 January 2025, Jabalpur
2. PAN- Brachial plexus injury (debate), ISPNScon INTERIM 2025, 11 January 2025, Jabalpur
3. Awake Craniotomy for excision of multiple cavernomas (video), DNAcon 2025, 1 February 2025, New Delhi
4. Awake Craniotomy for excision of multiple cavernomas (video), AIIMS Annual Microneurosurgery Workshop 2025, 28 February 2025, New Delhi
5. Intraoperative catheter breakage during intrathecal baclofen pump insertion (video), ICCN, Goa 2025, 6-9 March 2025, Mumbai

Shweta Kedia

1. SRS in meningioma, Indian Society of Neuro=oncology congress, 4 April PGIMER, Chandigarh
2. Radiosurgical principles in functional radiosurgery: Planning Demo, Neuromodulation in Pain, 5th May AIIMS, Delhi
3. Evolution of Gamma Knife Radiosurgery in Indian context: Past and the Future, International Society of Stereotactic Radiosurgery Congress, 12-15 May 2024, New York/USA
4. Radiosurgical nuances in management of central AVMs, International Society of Stereotactic Radiosurgery Congress, 12-15 May 2024, New York/USA
5. Radiosurgery for Grade 2 meningiomas, INDIAN SOCIETY FOR STEREOTACTIC & FUNCTIONAL NEUROSURGERY BIENNIAL MEETING 2024, 9-11 August Delhi
6. Workflow of SRS and Introduction to planning, NSI Superspeciality CME, 24th-25th August Vishakhapatnam
7. SRS for functional pituitary adenomas, NSI Superspeciality CME, 24th -25th August Vishakhapatnam
8. Surgical excision of Filar AVF: Video presentation, 24th Annual Conference of the Cerebro Vascular Society of India, 27-29 September Jaipur
9. Stereotactic radiosurgery for Complex skull base pathologies, Skullbasecon, 24-25 October GB Pant, Delhi
10. Planning on ICON Model in GKRS, Skullbasecon, 24-25 October GB Pant, Delhi
11. Imbibing the new WHO 2021 Classification in our neuro-oncology practices, AACNS 2024, 7-10 November Kaoshiung/Taiwan
12. Pediatric AVM:Defining role of radiosurgery, AACNS 2024, 7-10 November Kaoshiung/Taiwan
13. Awake craniotomy for eloquent cortex glioma, AACNS 2024, 7-10 November Kaoshiung/Taiwan
14. Creation of Gold standard data set for dural based pathology, Orientation program at IISC, 10-11 December Bangaluru (Online)
15. Role of radiosurgery in HIgh Grade Gliomas, ANNUAL CONFERENCE OF NEUROLOGICAL SOCIETY OF INDIA (NSICON 2024), 18-22 December Kolkata
16. Infantile brain tumor case discussion, 27th Annual Conference of the Delhi Neurological Association (DNACON 2025), 1-2 February 2025, Delhi
17. Taming the Giants with Radiosurgery, DNA Monthly meeting, 5 March Delhi

Hitesh Kumar Gurjar

1. Retrosigmoid approach to peduncular-pontine cavernoma-surgical nuances, Neurovascon 2024, 27 September 2024, Jaipur
2. Complication of a jugular foramen meningioma surgery, ICCN 2025, 8 March 2025, Panaji
3. Challenges in colloid cyst excision in post shunt slit ventricles, World neurosciences conclave 2025, 21 March 2025, Gurugram

Kanwaljeet Garg

1. Talk on "Complications of Expandable cages", Spine Society Delhi Chapter's Annual Conference DSSCON 2024, 13-14 April, New Delhi
2. Radiosurgery for intracranial AVMs, SGPGI Neurosurgery Foundation Day Celebration2024, 19-21 April 2024, Lucknow
3. SRS for Convexity and Parafalcine meningioma, NSI Super Specialty CME, 24-25 August 2024, Visakhapatnam
4. SRS for paraganglioma, NSI Super Specialty CME, 24-25 August 2024, Visakhapatnam
5. Gamma Knife delivery, Radiosurgery Workshop under the aegis of ISNOCON2024, 4 April 2024, Chandigarh
6. Role of DBS in non-Parkinson's pathologies, UP-UK NEUROCON 2024 conference, 8-10 November 2024, Lucknow
7. Technique for resection of high grade gliomas in eloquent regions, NSI Webinar Surgical Clearance Of High Grade Glioma – Evolving Concepts In The Standard of Care, 8 February 2025, Online
8. Introduction to stereotactic frames, Indian Society for Stereotactic & Functional Neurosurgery (ISSFN) Biennial Meeting 2024, 9-11 August 2024, Gurgaon
9. Role of Gamma Knife Radiosurgery in Tectal Plate Gliomas, 27th Annual Conference of the Delhi Neurological Association (DNACON 2025), 1-2 February 2025, New Delhi
10. Stereotactic frames, Microneurosurgery Workshop 2025, 27 February-2 March 2025, New Delhi
11. Surgery for Hyperkinetic Movement disorders- Basics and Techniques, World Neuroscience Conclave) 2025, 18-22 March 2025, Gurugram
12. Hirayama Disease – To cut or not, Delhi Neurological Association – Bimonthly meeting, 9 March 2024, New Delhi

Dattaraj Sawarkar

1. Kyphosis after fixation of Hangman fracture, 12th AIIMS Annual Spine Workshop 2024, 29 August 2024, AIIMS, New Delhi
2. Endoscopic pituitary surgery: lessons learned, Neuroendoscopy Fellowship Program, NSCB medical college, Jabalpur, 25-29 September 2024, NSCB medical college, Jabalpur, Jabalpur, MP
3. Drezotomy for Brachalgia- Tips and tricks, ISPNSCON 2025, 12 January 2025, NSCB medical college, Jabalpur, Jabalpur, MP
4. Surgical anatomy and tips and tricks of Endoscopic Skull Base Surgery, AIIMS Endoscopic Skull base cadaver course, 25-25 January 2025, AIIMS, New Delhi
6. Treatment planning for Gamma Knife surgery, Microneurosurgery Workshop, 27 February 2025, AIIMS, New Delhi
5. Endoscopic Discectomy- Destandau Technique -Tips and tricks, World Neuroscience Conclave 2025, 19 March 2025, AIIMS, New Delhi

Ramesh Sharanappa Doddamani

1. Cadaveric Demonstration of Anteromesial Temporal Resection; Disconnections in Epilepsy Surgery (Lecture), Air langga International Neurosurgery Masterclass 2024, Functional Neurosurgery, 25 April 2024, Surabaya, Indonesia
2. EEG for Neurosurgeons, SIONCON 2024, 08 November 2024, Chandigarh, Punjab

3. Evolution of Epilepsy Surgery, AIG Epilepsy Meet Inaugural Programme, 17 November 2024, AIG Hyderabad, Telangana
4. DREZotomy in Post Brachial Plexus Avulsion Neuralgia, NSICON 2024, 19 December 2024, Kolkata, West Bengal
5. Robotic Guided RF ablation of Periventricular Nodular Heterotopia, ISSFN Webinar Theme; Epilepsy surgery (Indian Society for Stereotactic and Functional Neurosurgery), 10 November 2024, Online, Online
6. White Fibre Dissection in Epilepsy Surgery, MCNS 2024, 14 February 2025, Kolhapur, Maharashtra

Amol Raheja

1. Virtual reality technology in preoperative planning of complex cranial surgeries, 12th Asia Pacific organization for cancer prevention (APOCP), 20 September 2024, Bishkek, Kyrgyzrtan
2. Sylvian fissure dissection – Tips and Tricks, NEUROVASCON 2024, 27 September 2024, Jaipur
3. Virtual reality technology in preoperative planning of complex cranial surgeries, SKULLBASECON 2024, 25 October 2024, New Delhi
4. STA-MCA bypass in pediatric moyamoya disease, NSI Videothon 2024, 9 November 2024, New Delhi (Virtual)
4. Case Based study – Case of moyamoya disease in an adult, NSICON 2024 (CME), 18 December 2024, Kolkata
5. Modified Dorsal SAN-SSN transfer for Should stabilization in brachial plexus injuries, ISPNSCON 2025, 11 January 2024, Jabalpur
6. Endoscopic Endonasal transethmoidal resection for orbital apex lesions, DNACON 2025, 1 February 2025, New Delhi
7. Endoscopic Endonasal transethmoidal resection for orbital apex lesions, NEUROENDOCON 2025, 21 March 2025, Chennai
8. Management of Partial BPI, WNC 2025, 22 March 2025, New Delhi

Surya Sri Krishna Gour

1. Correction strategies for severe coronal and sagittal displacement in thoracolumbar injuries, Neurotrauma 2024, 9 April 2024, Pune, Maharashtra
2. Surgical management of Adolescent Idiopathic Scoliosis- expectations, indications and approaches, AO Scoliosis Week, 23 April 2024, Kochi, Kerala
3. Current trends in brain trauma, International Conference on Trauma and Acute Care, 13 December 2024, Gurugram, Haryana
4. Clinical evaluation of adult brachial plexus injuries, ISPNS interim meeting, 11 January 2025, Jabalpur, Madhya Pradesh
5. A complex case of CVJ anomaly- case based discussion, DNACON 2025, 1 February 2025, Delhi
6. My experience with 3D printing, 2nd CME-Surgical Innovation Laboratory, 21 February 2025, Delhi

Oral/Poster presentations: 6

1. Doddamani RS, Robotic Guided RF ablative Disconnection of HH, AOEC 2025, 20 FebruaryFebruary 2025, New Delhi
2. Garg K, Rajan R, Singh M, Emergency pallidotomy in a patient with chorea paralytica in primary hypoparathyroidism, International Congress of Parkinson's Disease and Movement Disorders, SeptemberSeptember27 September 2024, Philadelphia, USA
3. Honna R, Aiswarya, Doddamani R, Sarat P Chandra, Tripathi M, Robotic guided Radiofrequency Ablation Corpus Callosotomy, AOEC 2025, 20 FebruaryFebruary 2025, New Delhi
4. Jayan V, Ahemad N, Garg K, Rajan R, Singh MM, A Correlation Analysis Between Mri And Intra Op Mer In Targeting Stn In Dbs For Pd Patients:An Institutional Experience, XX World Congress of Stereotactic and Functional Neurosurgery, SeptemberSeptember3-6 September 2024, Chicago, USA
5. Raheja A, Sreenivasan S, Suri A, Singh M, Mishra S, et al, STA MCA bypass for symptomatic moyamoya disease – Lessons learnt from 89 revascularizations, EANS 2024, 16 OctoberOctober 2024, Sofia, Bulgaria

6. Salih M, Singh GP, Sokhal N, Roy H, Gour SSK, To evaluate the correlation between non-invasive(NIRS and ONSD) and invasive ICP measurements in adults with TBI- A prospective observational study, ASNACC 2025, 01-02 MarchMarch 2025, Bangkok, Thailand

RESEARCH

Funded

Ongoing:

1. An observational study to investigate the gut microbiota composition of patients with drug-refractory epilepsy, P Sarat Chandra, AIIMS New Delhi, 2 years, 2023-2025, Rs 10 Lakhs
2. Designing and testing intra-operatively an inexpensive, small, efficient and portable, table/microscope objective mounted device for visualizing and recording indocyanine green fluorescence during surgeries under the operative microscope, Shashwat Mishra, AIIMS- IIT Delhi interdisciplinary research, 2 years, 2019-2025, Rs 10 Lakhs
3. Dissecting the potential molecular signature by proteomics and metabolomics in predicting the clinicoradiological course of cerebral edema following traumatic brain injury, Dr Surya Sri Krishna Gour, ICMR, 3 years, 2024-2027, Rs 85.22 Lakhs (AIIMS+IICT Hyd)
4. Expansile duraplasty in patients with complete cervical spinal cord injury – A Prospective Randomized Open Blinded End-point (PROBE) Study, Dr Kanwaljeet Garg, Indian Council of Medical Research -ICMR, 3 years, 2024-2026, Rs 43.63 Lakhs
5. High Precision Synthetic Diamond Instrumentation for Minimally Invasive Neurosurgery, Professor Ashish Suri, Indian Council of Medical Research -ICMR, 3 years, 2025-2028, Rs 1.99 Lakhs (AIIMS+IITD)
6. ICMR COE -Centre of Excellence for Neurosurgery Medical Devices, Professor Ashish Suri, Indian Council of Medical Research -ICMR, 3+2 years, 2023-2028, Rs 9.96 Lakhs (AIIMS+IITD)
7. Material Characterization of Brain Tissue and Development of Tissue-Device Interaction based Neurosurgical Computational Tools, Professor Ashish Suri, Department of Health Research- DHR, 4.5 years, 2020-2025, Rs 8,38,46,999 (AIIMS+IITD)
8. Microsurgical comparison of operative exposure of IAC though middle fossa and retrosigmoid hearing preservation skull base approaches - a laboratory investigation, Amol Raheja, AIIMS Intramural grant, Extension granted, 6 years, 2018-2024, Rs 5 Lakhs
9. Posterior cervical fixation versus long-term cervical collar for management of Hirayama Disease: Prospective randomized open blinded endpoint (PROBE), phase III study, Dr Kanwaljeet Garg and Dr Deepti Vibha, Interdisciplinary Collaborative Intramural Research Project (AIIMS Research Section), 2 years, 2023-2025, Rs 20 Lakhs(Neurosurgery + Neurology)
10. Recurrent glioblastoma; a diagnostic challenge: A multidisciplinary approach for differentiating tumor recurrence and treatment related changes, Dr Santanu Kumar Bora, AIIMS, New Delhi, 2 years, 2022-2025, Rs 10 Lakhs
11. Single Cell-Type RNA Sequencing to delineate astrocyte and neuron-specific alterations in Patients with Focal Cortical Dysplasia and temporal lobe epilepsy. Ramesh S Doddamani, AIIMS, Delhi, 2 years, 2023-2025, Rs 5 Lakhs
12. Studying the correlation of multimodaily brain monitoring and perfusion computed tomography with Glasgow outcome scale in severe head injury patients requiring decompressive craniotomy, Dr Dattaraj sawarkar, AIIMS research section, 3 years, 2025-2028, Rs 1.5 Lakhs

Completed

1. 3D volumetric analysis to define the extent of resection of giant pituitary adenomas, Rajeev Sharma, AIIMS, New Delhi, 2 years, 2021-2024, Rs 6 Lakhs over 2 years
2. DBT COE -Collaborative Neuro-Engineering Platform for Excellence in Innovation and Translational Research in Neurosurgery Simulation, Professor Ashish Suri, Department of Biotechnology - DBT, 6 years, 2018-2024 Phase 2 = 2029, Rs 818.95 Lakhs(AIIMS+IITD)

Departmental projects (including thesis/dissertations)

Ongoing

1. "Role of Intraoperative Topical Antibiotic Injection Around The Ventricular End And The Peritoneal End Of Ventriculoperitoneal Shunt In Reduction Of Shunt Infection: A Randomised Controlled Trial"

2. A comparison of subgaleal versus subperiosteal dissection techniques for raising scalp flap in Fronto-temporal & Pterional craniotomies in terms of post-operative scalp/facial edema and operative site pain: A prospective study.
3. Analysis of cervical spine motion preservation after Surgical management for traumatic & non traumatic CVJ Anomalies"
4. Assessment of change in brainstem volume after gamma knife radiosurgery for CP angle Tumors
5. Assessment of changes in brain stem volume after GK for cp angle lesions
6. Cadaveric study comparing operative exposure to basilar apex region comparing trans-sylvian versus pretemporal transcavernous approach: Morphometric analysis
7. Comparative ambispective study of Transcranial versus Trans-sphenoidal approaches for Tuberculum sella meningiomas
8. Comparison of accuracy of various MRI sequences in target planning for Subthalamic nucleus deep brain stimulation
9. Comparison of endonasal transsphenoidal approach versus transcranial approach for excision of tuberculum sellae meningioma.
10. Decompressive Craniectomy v/s Cisternostomy in Severe Traumatic Brain Injury: A Single Centre Randomised Control Study
11. Decompressive Craniectomy with and without Duraplasty in Traumatic brain Injury: A Randomized Controlled trial
12. Deformity correction by neurosurgeons, pattern and outcome analysis
13. Factors predicting Non-Remission and Recurrence after Surgical Treatment of Functional Pituitary Adenomas
14. Gamma-Knife for giant intracranial (>20cc) lesions
15. Genetic mutation analysis in subthalamic nucleus in parkinsons disease patients
16. miRNA profiling of supratentorial ependymomas and their correlation EMT processes and stemness.
17. Molecular signatures of Parkinson's Disease in vivo: a deep brain stimulation approach
18. Outcome analysis of intracanalicular vestibular schwannoma in Gamma knife therapy
19. Outcome of thoracic disc surgery by different approaches.
20. Pattern of fluid electrolyte imbalance and temporal course of response to desmopressin, in post op craniopharyngioma surgery.
21. Retrospective analysis of management and outcome of patients with craniopharyngioma
22. Role of Bevacizumabin NF2 for tumor control
23. Role of Gamma Knife in Craniopharyngiomas
24. Role of third ventricular volume a s predictor of hydrocephalus in patients with aneurysmal subarachnoid hemorrhage.
25. Study of ZFTA and YAP-1 fusion in supratentorial ependymomas.
26. Surgical outcome of brachial plexus tumors
27. The effect of Microvascular Decompression on the microstructure of Trigeminal Nerve as determined by Diffusion Tensor Imaging in patients with classic Trigeminal Neuralgia: a prospective study
28. Unravelling RNA landscape in Ependymal tumors using Integrative transcriptome analyses

Completed

1. "Therapeutic Application of Bone Marrow Derived Stem Cell in Complete Spinal Cord Injury".
2. A retrospective analysis of atlantoaxial fusion with C1-C2 transarticular screws

3. An observational study to investigate the gut microbiota composition of patients with drug-refractory epilepsy
4. Assessment of hypoxia inducible factor- 1 alpha pathway activation and its correlation with tumor immune microenvironment and markers of tumor invasiveness in myxopapillary ependymomas
5. Deciphering the role of platelets in drug-resistant epilepsy
6. Long-term effects of draining vein Shielding during gamma-knife radiosurgery in intracranial arteriovenous Malformations
7. Modulators of A4-containing GABAA receptors: Potential therapy for focal cortical dysplasia (FCD)
8. Pituitary dysfunction following stereotactic radiosurgery for secretory pituitary adenomas
9. Primary Gamma-Knife with concurrent Temozolomide for GBM
10. Prospective study to evaluate the role of bevacizumab in treatment of vestibular schwannoma in patients with neurofibromatosis type 2
11. RELA fusion in Supratentorial Ependymomas
12. Role of non-coding RNAs (ncRNAs) in clinicopathological classification and molecular perturbances associated with Focal Cortical Dysplasia (FCD)
13. Study of Traumatic brain injury-induced secondary gastrointestinal changes
14. To determine the association of MRI findings in patients with cervical spondylotic myelopathy and Hirayama's disease with outcome at three months

Collaborative projects:

Completed:

1. Investigating the role of metabolites and neurotransmitters in abnormal synaptic transmission associated with mesial temporal lobe epilepsy (MTLE) and focal cortical dysplasia (FCD): Possible biomarkers for localization of epileptogenic foci, Neurology (AIIMS, New Delhi)
2. National Bioscience Award for Career Development, AIIMS: Neurosurgery, Anatomy, Neuroradiology, Neuropathology IIT-D: Computer Science Engineering
3. TATA Innovation Fellowship Award, AIIMS: Neurosurgery, Anatomy, Neuroradiology IIT-D: Computer Science Engineering, Bio-Medical Engineering
4. Support to Indian Institutes to Conduct Training Programme in the area of Operational Research Neurosurgery Skills Training, AIIMS: Neurosurgery, Anatomy, Forensic Medicine
5. Multiple Degrees of Freedom Robotic Manipulator for Minimally Invasive Neurosurgery, AIIMS: Neurosurgery IIT-D: Mechanical Engineering
6. Computational Modelling of Cerebral Blood Flow in Moya Moya Disease, AIIMS: Neurosurgery, Neuroradiology, UCL, London, UK: Healthcare Engineering

Publications

Journals: 84 **Abstracts: 02** **Chapters in Book: 23** **Books & Monographs: 02**

Publications over past 3 years

Items	2022–2023	2023–2024	2024–2025
Total	178	127	111
Journal articles	160	125	84
Abstracts	0	0	2
Chapters in books	18	2	23
Books	0	0	2

PATIENT CARE

Department of Neurosurgery has two units with general neurosurgical ward under each unit (35X2 beds). There are two ICUs with 23 beds. There are now 7 elective operation theatres and two exclusive operation theatre in trauma centre. We offer world-class neurosurgical facilities in all neurosurgical sub-specialities, which include- vascular surgery, epilepsy surgery, minimally invasive cranial and spinal neurosurgery, pediatric neurosurgery, functional neurosurgery, neuro-oncosurgery, skull base and complex spinal surgeries. We have advanced imaging modalities (O-arm) and navigational devices (like Stealth Station and ROSA). Department of Neurosurgery runs an outpatient Spine clinic which deals with all diseases related to spine including degenerative, deformity, tumors, etc. It is held on Saturdays from 9 am to 12 pm. We have also started DBS clinic in collaboration with Deptt. of Neurology for providing comprehensive care of patients who have undergone DBS, which will be held on all Saturdays from 9 am-12 pm.

Following number of patients were treated by us during the year 2023-2024.

S. No.	Treatment facility	Number
1.	Outpatient department	
	a) Total New Cases	19219
	b) Total Old cases	27489
	c) Total cases	46708
2.	Gamma knife procedures performed	1029
3.	Number of surgeries at CNC	3223
5.	Number of surgeries at JPNATC	1564
6.	Total number of surgeries	4787

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Professor Shashank Sharad Kale was Treasurer Neurological Society of India from 2024-2025.

Professor Ashish Suri was Elected as Fellow of the Indian National Sciences Academy (INSA) 2024 – FNA. Elected as Fellow of the Indian Academy of Sciences -2024 -FASc. President: Skull Base Surgery Society of India. President: Neuro-endoscopy Society – India. President Elect: Cerebro Vascular Society of India. Elected Member of World Academy of Neurological Surgeons – WANS. Elected Member of Yasargil Micro-neurosurgery Academy – YMA. Awarded "Galien Award - 2024" for "NEURO-MENTOR" in Best Academic Sector. Awarded AIIMS Excellence Research Award under Basic Science category for Outstanding Publication Paper entitled *"Effect of Segmentation Threshold on Computed Tomography based Reconstruction of Skull Bones with Reference Optical Three-dimensional Scanning"*. Selection as Adjunct Professor, School of Information Technology, Indian Institute of Technology- Delhi for 11th consecutive year.

Professor Amandeep Kumar Promoted as Professor following APS conducted in December 2024. Participated as expert faculty in 27th Annual Micro-neurosurgery Workshop and performed live surgical demonstration of Endoscopic Endonasal Excision of a Pituitary macroadenoma.

Professor Rajeev Sharma Promoted as Professor: APS 2024. Treasurer, ISPNS. Section editor, Cerebrovascular surgery section, Neurology India.

Dr Dattaraj Sawarkar worked As an Editor in chief, published issue of Journal of peripheral nerve surgery (JPNS) in 2024 which is the official journal of ISPNS society. Awarded with 'AASAN Ambassadorship' in minimally invasive and complex spine surgery at UCSF, USA under Dr Praveen Mummaneni and completed from 17 June to 16 July 2024. Awarded and completed AO Spine international Spine Fellowship from Schon klinic, Munchen Harlechin, Germany. Elected as EC member for Neurotrauma Society of India (NTSI). Awarded and completed/Advance training in MIS spine surgery and UBE' at South Korea under Dr Cheol Woong Park. Demonstrated Endoscopic pituitary surgery in live operative workshop as an invited faculty in 26th Neuroendoscopy Fellowship program, NSCB medical college, Jabalpur.

Dr Satish Verma Organised (as Organising Secretary) 1st ISPNS - AIIMS Workshop and Symposium on 'Neuromodulation in Pain', at AIIMS, New Delhi, 3-5 May 2024. Attended IFNE- JSNE- GLEN- NESI-CSNE Hands-on Workshop on Cerebral, Ventricular, Skull Base and Spine Neuroendoscopy, held in Naples-Italy from 3 to 7 February 2025.

Dr Amol Rahejawas March 2025 – Gold medalist, Man of the match and Best batter of tournament awards in Faculty Cricket League tournament at AIIMS, New Delhi. February 2025 – Mentored neurosurgery resident (Prachi Singh), who was awarded First prize in Video session presentation on Middle fossa approach for prepontine epidermoid at 27th AIIMS annual microneurosurgery workshop at AIIMS, New Delhi. October 2024 – Undergraduate mentorship grant for project entitled "Integrated Mixed Reality Platform for Neurosurgical Teaching and Planning: A Pilot Study to Check for Utility in Placement of Ventricular catheter" at AIIMS, New Delhi. I have been inducted as Section Editor for Endoscopic Neurosurgery for Neurology India journal. I have also been elected as Executive member of Faculty association of AIIMS (FAIMS) for the term 2024-26. I have also been elected as Executive member of Cerebrovascular society of India (CVS) for the term 2024-26.

Dr Ramesh Sharanappa Doddamani Inducted as a Board Member for Asian Epilepsy Surgery Congress (AESC). Invited as a Speaker for the Asian Epilepsy Surgery Congress (AESC) 2024 congress at Surabaya Indonesia. Received San Servolo epilepsy summer school Fellowship International League Against Epilepsy Grant (ILAE) for July 2024 held at (Venice, Italy). Section Editor for World Neurosurgery (Official journal World federation of Neurosurgery):

Sections: 1. Epilepsy. 2. Pain &. 3. CSF pathways and Hydrocephalus. Associate Editor & Section Editor for Epilepsy Surgery Section of Neurology India. Organized Cadaver Workshop on Pain Procedures for Neurosurgeons at JPNATC, AIIMS, New Delhi.

Dr Santanu Kumar Bora Fellowship in fully endoscopic spine surgery, Dehradun India, December 2024. Training in Unilateral Biportal Endoscopic(UBE) spine surgery, Sharda University, Noida, August 2024.

Dr Gour Surya Sri Krishna Presented in Clinical Grand Round on 'High cervical spine injury- A lost cause or a glimmer of hope' on 9 April 2024 in our institute. Visited Division of Plastic, Hand & Reconstructive Microsurgery and Burns, Ganga Hospital, Coimbatore, Tamil Nadu from October 21, 2024 till November 2, 2024 as part of Indian Society of Peripheral Nerve Surgery (ISPNS) fellowship. Organising Secretary of Cadaveric workshop on 'Brachial plexus surgery and beyond' held in JPNATC on 4-5 December, 2024. Co-author for Best Clinical Research Paper Award in ASNACC 2025 held in Bangkok, Thailand on March 01-02, 2025 for presentation on 'To evaluate the correlation between non-invasive(NIRS and ONSD) and invasive ICP measurements in adults with TBI- A prospective observational study'. Invited faculty- Table demonstrator for Cadaveric workshop on 'MIS techniques for spine' organised by Department of Orthopedics, JPNATC on December 15, 2024

Division of Neuropsychology

Ashima Nehra

HIGHLIGHTS

Over the past year, the Clinical Neuropsychology (CNP) team at the Neurosciences Centre has continued to provide patient-centered, evidence-based services while contributing to academic and research activities. The team participated in eight national and international conferences, serving as presenters and session chairs, and delivered eight invited lectures.

Research efforts included the initiation of a BIRAC-funded project on aphasia rehabilitation and the completion of a WHO-supported project on neuropsychological rehabilitation for stroke patients. Two new PhD candidates joined the department, further strengthening academic engagement.

The team contributed 12 peer-reviewed publications and a book chapter during the year. Clinically, 371 outpatient consultations were conducted, offering assessments, counselling, interventions, rehabilitation and disability assessments as part of multi-disciplinary care.

CNP remains committed to supporting patients and the broader healthcare team, and will continue its efforts in clinical service, research, and training as part of the continuum of care at the Neurosciences Centre.

EDUCATION

Short Term Trainings:

S.No.	Program	Institute	Total enrolment
1.	Short Term Observership	University of Delhi	6

Lectures delivered at CMEs, National and International Conferences

Lectures delivered:

Ashima Nehra

1. Role of Clinical Neuropsychology in the Healthcare System: Innovative Contributions, Innovations in Health Care & Medical Education 69th Institute Day, AIIMS, New Delhi, 25 September 2024, New Delhi
2. Extension and Digitalization of Indian Aphasia Battery (IAB) to Neurocognitive Assessment of Impairment in Language Processing (AI based NAIL), Innovations in Health Care & Medical Education 69th Institute Day, AIIMS, New Delhi, 25 September 2024, New Delhi
3. The Shifting sands of identity and family dynamics in neurological conditions in India, III Biennial Conference on Cognitive & Clinical Neuropsychology Theme: Cross Cultural Issues in Neuropsychology, 18 October 2024, Kattankulathur
4. Neuropsychological Aspect of Brain Tumors. Society for Intra Operative Neurophysiology Conference (SIONCON) 2024, PGIMER, Chandigarh, 09 November 2024, Chandigarh
5. Challenges in assessment of Neuropsychological disability, 7th Annual Conference of Autoimmune Subsection of Indian Academy of Neurology: Indian Committee of Treatment and Research in Multiple Sclerosis (ICTRIMS), Chandigarh, 14-16 November 2024, Chandigarh
6. Role of Clinical Psychologists in Safeguarding and Strengthening National Security, 2nd CPSICON, Rashtriya Raksha University, Gandhinagar, Ahmedabad, 21-23 November 2024, Gandhinagar, Ahmedabad
7. Metamorphosis of Indian Psychology: Evolution into an Empirical Discipline, Neuroscience and Psychology, Tibet House, Cultural Centre of His Holiness the Dalai Lama, New Delhi. [by Department of Psychology, M.S.University of Baroda], 11-12 January 2025, New Delhi

Total number of lectures delivered

2022–2023	2023–2024	2024–2025
7	6	7

List of oral papers/posters presented: 9

1. Nehra Ashima, Social-Legal Contours of Ageing and Gerontology: Issues and Challenges, Neuroscience and Psychology (Series - IX), 11-12 January 2025, New Delhi
2. Nehra Ashima, 'Challenges in the Assessment of Neuropsychological Disability in Chronic Neurological Disorders', 7th Annual Conference of Autoimmune Subsection of Indian Academy of Neurology: Indian Committee of Treatment and Research in Multiple Sclerosis (ICTRIMS 2024), 14-16 November 2024, Chandigarh
3. Nehra Ashima, Neuropsychological Aspect of Brain Tumors. Society for Intra Operative Neurophysiology Conference (SIONCON) 2024, PGIMER, Chandigarh, 9 November 2024, Chandigarh
4. Nehra Ashima, The Shifting Sands of Identity and Family Dynamics in Neurological Conditions in India, Symposium: III Biennial Conference on Cognitive & Clinical Neuropsychology Theme: Cross Cultural Issues in Neuropsychology, 17-19 October 2024, Kattankulathur
5. Nehra Ashima, Challenges in assessment of Neuropsychological disability, 7th Annual Conference of Autoimmune Subsection of Indian Academy of Neurology: Indian Committee of Treatment and Research Sclerosis (ICTRIMS), Chandigarh in MultipleSclerosis, 14-16 November 2024, Chandigarh
6. Nehra Ashima, Role of Clinical Psychologists in Safeguarding and Strengthening National Security, 2nd CPSICON, Rashtriya Raksha University, 21-23 November 2024, Gandhinagar, Ahmedabad
7. Nehra Ashima, 'Neuropsychological Psychodiagnostics for Dementia', World Neurosciences Summit: Changing Paradigms-Unleashing Possibilities, 24 August 2024, New Delhi
8. Nehra Ashima, Extension and Digitalization of Indian Aphasia Battery (IAB) to Neurocognitive Assessment of Impairment in Language Processing (AI based NAIL), Innovations in Health Care & Medical Education 69th Institute Day, AIIMS, New Delhi, 25 September 2024, New Delhi
9. Nehra Ashima, Role of Clinical Neuropsychology in the Healthcare System: Innovative Contributions, Innovations in Health Care & Medical Education 69th Institute Day, AIIMS, New Delhi, 25 September 2024, New Delhi

Total number of oral/poster presentations

2022–2023	2023–2024	2024–2025
0	12	9

RESEARCH

Ongoing

1. Project Code N-2391: Extension and Digitalization of Indian Aphasia Battery (IAB), Dr. Ashima Nehra, BIRAC, 2 years, 2024-2026, Rs 48,70,000/

Completed

1. Project Code T-281: To develop and ascertain efficacy of Patient & Caregiver Indian Neuropsychological Continuum of Care (PIN-CoC) model: A Randomized Control Trial, Dr. Ashima Nehra, WHO, 1 year, 2023-2024, Rs 13,00,000/-

Departmental projects (including thesis/dissertations)

Ongoing

1. Patient and Carer Indian Neuropsychological Continuum of Care (PINCOC) Model
2. To develop and assess effectiveness of "Indian Rehabilitation for Neuropsychological Well-being post Brain Tumor surgery" or i-RENEW-BTS.
3. To develop and ascertain the efficacy of an Integrated Neuropsychological Remediation package for persons with Learning Disabilities: A Randomized Controlled Trial

Completed

1. Development And Efficacy of Comprehensive Neuropsychological Rehabilitation for Improving Cognition and Quality Of Life in persons with Drug Refractory Epilepsy: A Randomized Controlled Clinical Trial.

Collaborative projects

Ongoing

1. Assessing the benefits of Virtual Reality in the improvement of psychological status in prolonged bed ridden patients: A Research Pilot Study, Department of Neurosurgery, Neurosciences Centre, AIIMS, New Delhi
2. Change in cognitive functioning after Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease, Department of Psychiatry, AIIMS, New Delhi
3. Bain Functional changes and Metabolic alterations in Spinocerebellar Ataxia (SCA), Department of Nuclear Magnetic Resonance (NMR), AIIMS, New Delhi
4. MR and other techniques based phenotyping and correlation with prakruti in healthy population, Department of Nuclear Magnetic Resonance (NMR), AIIMS, New Delhi

Completed

1. Neurodevelopmental Assessment in Children/Adolescents with Retinoblastoma exposed to Multiple General Anesthesia before the age of 5 years: A Cross Sectional Study, Anaesthesiology, Pain Medicine and Critical Care

Research over past 3 years

Research projects	2022–2023	2023–2024	2024–2025
Total funded projects	2	2	1
Total funding	74, 00, 000	73, 00, 000	60, 00, 000

Publications

Journals: 03 **Abstracts: 06** **Chapters in Book: 01** **Copy Right: 14**

Publications over past 3 years

Item	2022–2023	2023–2024	2024–2025
Total	**19**	**08**	**24**
Journal articles	14	4	3
Abstracts	0	4	6
Chapters in books	0	0	1
Books	0	0	
Copy rights	5	0	14

PATIENT CARE

Item	2022–2023	2023–2024	2024–2025
OPD consultations	402 (*About 45 mins to 4 hours/patient/session*)	375 (*About 45 mins to 4 hours/patient/session*)	371 (*About 45 mins to 4 hours/patient/session*)
Special clinic consultations	224 (*Neuropsychological Disability Psychodiagnostics*)	51 (*Neuropsychological Disability Psychodiagnostics*)	72 (*Neuropsychological Disability Psychodiagnostics*)
	340 *(Counselling)*	329 *(Counselling)*	357 *(Counselling)*
Patients provided rehabilitation services	102 (*Up to 45 minutes to 1-1 ½ hour/patient/session X the no. of sessions*)	76 (*Up to 45 minutes to 1-1 ½ hour/patient/session X the no. of sessions*)	62 (*Up to 45 minutes to 1-1 ½ hour/patient/session X the no. of sessions*)

Total inpatient admissions	Received 227 ward referrals. (*Many of them could not be seen because they were on VEEG or because they were discharged before Icould serve them) or due to paucity of time (since I am continuing to work as a lone faculty since the beginning)*	Received 283 ward referrals**.** *(Many of them could not be seen because they were on VEEG or because they were discharged before I could serve them)or due to paucity of time (since I am continuing to work as a lone faculty since the beginning)*	Received 288 ward referrals. *(Many of them could not be seen because they were on VEEG or because they were discharged before I could serve them)or due to paucity of time (since I am continuing to work as a lone faculty since the beginning)*
Laboratory Investigations		NA	NA

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Selected as Council Member in Council Member at NCAHP, MoHFW, Govt. Of India to represent the discipline of Psychology as an Allied Health Professional.
2. Nominated as Interim Council Member at NCAHP, MoHFW, Govt. Of India to represent the discipline of Psychology as an Allied Health Professional.
3. Contributed in Curriculum development of B.Psy.and M.Psy. Applied Psychology under NCAHP, MoHFW, Govt. of India.
4. Contributed in focal group discussion regarding suggestions for "Sub: Comments/Suggestions on draft revised Curriculum of training programmes-reg" issued by Rehabilitation Council of India dated 29 February 24
5. Attended training workshop on Implementation of provisions given in the revised guidelines while doing the disability assessment of a person from 23 April 24 to 25 April 24 at Dr. Ramalingaswami Board room, AIIMS, New Delhi.
6. Obtained 14 Copyrights from Clinical Neuropsychology, Neurosciences Centre, AIIMS, New Delh in the year 2024-2025.

Division of Dietetics

Group A Officer

Mala Manral

1. **Diet in general & private wards:**
   a. Normal diet – 101494
   b. Semisolid diet – 10134
   c. Private diet (C N Centre) – 20772
2. **Therapeutic Diet in general & private wards:**
   a. Child Diet – 24096
   b. Diabetic Diet – 8701
   c. High Protein Calorie Diet – 5074
   d. Diabetic Renal Diet – 505
   e. Renal Diet – 672
   f. Heart Transplant Diet – 274
   g. Ketogenic Diet – 211
   h. Liquid Diet – 246
   i. E.H.S Diet – 451
   j. Bland Diet – 578
3. **Therapeutic Feeds:**
   a. Standard Feed – 14249
   b. Diabetic Feed – 3026
   c. Renal Feed – 577
   d. Curd Feed – 728
   e. Dal Feed – 180
4. **No. of diet counseling given to indoor & out door patients (Cardio OPD)**

S. No.	Month	No. of patient
1.	April	281
2.	May	285
3.	June	239
4.	July	243
5.	August	234
6.	September	348
7.	October	233
8.	November	259
9.	December	279
10.	January	273
11.	February	207
12.	March	228
	TOTAL	**3009**

5. No. of diet counseling given to indoor & out door patients (Neuro OPD)

S. No.	Month	No. of patient
1.	April	63
2.	May	61
3.	June	60
4.	July	70
5.	August	51
6.	September	40
7.	October	62
8.	November	53
9.	December	71
10.	January	61
11.	February	73
12.	March	48
	TOTAL	**713**

6. Special OPD (Epilepsy diet clinic – Monday & Thursday) – Dr. Mala Manral

S. No.	Month	IPD	No. of patient
1.	April	2	18
2.	May	1	17
3.	June	2	18
4.	July	2	38
5.	August	2	23
6.	September	1	13
7.	October	2	9
8.	November	2	14
9.	December	1	23
10.	January	2	11
11.	February	1	7
12.	March	2	13
	TOTAL	**20**	**204**

7. Nutritional care of patients:

a. Nutritional assessment, ward rounds, diet planning and diet counseling for:

- CT-2 CCU, NS-5, CNT-5, CNT-6 - Dr. Mala Manral
- CTVS- ICU A, CT-5, CN T-3, CNT-4 – Mrs. Smitha S Rengan
- NS ICU-B, NS ICU-C, CT-6, CNT-1, CNT-2- Dr. Anuradha
- CTVS ICU-B, CT-3, NS4+VEEG, NS-3, NCA -C2 – Mrs. Vasudha Pandit

b. Special diet counseling for cardiac clinics:

- Cardiology (Monday, Wednesday, Friday)-Afternoon
- Hypertension clinic (Thursday)
- Valve replacement and heart failure clinic and lung Transplant (Thursday)
- Heart failure and post - Heart Transplant patients diet counseling Tuesday/Friday (CT- 4 Ward) Mrs. Smitha S Rengan
- Pediatric cardiac diet counseling, weaning diet charts

c. Diet counseling in special clinics:

- Epilepsy – Monday/Thursday 09 A:M to 01 P:M (R.No. 13 CNC OPD) Dr. Mala Manral

d. Diet counseling for Neurology OPD

- Stroke
- Dysphagia
- Parkinsons
- Obesity in obstructive sleep apnoea
- Neurosurgery RT feed plan and weight reduction diet plans

e. Food service management:

Planning and supervision of modified feed/diet section by the dietitians for their respective wards.

f. Maintenance and supervision of store records:

- Consumable items, stationery stores-Dr. Mala Manral
- Non consumable items (steel)-Mrs Smitha S Rengan
- Nutrition supplements, (crockery)-Mrs. Anurardha
- Annual Report, OPD/IPD Record-Mrs. Vasudha Pandit

8. Nutrition education:

- Teaching undergraduate and post graduate nursing students.

NEURO-PHYSIOTHERAPY UNIT

Group A Professionals

Senior Physiotherapist and In-charge, Neuro-Physiotherapy Unit

Rajeev Aggarwal

Senior Physiotherapist

Sunita Singh Madhu Sharma

HIGHLIGHTS

Neuro-physiotherapy Unit has developed Videos for exercises and advice for Neurological patients. Neurophysiotherapy unit provides OPD consultations to various departments in the Neurosciences Center, namely, the Neurology and the Neurosurgery departments on a regular basis. In addition, it provides care in in-patient areas and intensive care units.

EDUCATION

1. Neuro-physiotherapy Unit has imparted short term training to 4 professionals in 2024-2025

Lectures delivered at CMEs, National and International Conferences

Rajeev Aggarwal

1. Breaking the Freeze – The changing paradigms of Physiotherapy in Parkinson's disease, 62nd Annual Conference of the Indian Association of Physiotherapists, 16 February 2025, Nasik, Maharashtra

LECTURES DELIVERED OVER THREE YEARS

2022–2023	2023–2024	2024–2025
5	3	1

Collaborative projects

Ongoing

1. Validation of an instrument to evaluate quality of life in individuals with spinal cord injury, Indian Spinal Injury Centre, Delhi
2. Analysis of Cervical Spine Motion Preservation after Surgical Management for Traumatic & Non traumatic CVJ Anomalies. Neurosurgery, AIIMS, New Delhi
3. Efficacy of Chin tuck maneuver (CTM) on Neurogenic dysphagia among stroke patients: A randomized controlled trial, College of Nursing, AIIMS, New Delhi
4. Melodic Intonation Therapy (MIT) for Aphasia rehabilitation in Stroke: the Indian Adaptation, Neurology, AIIMS, New Delhi

Completed

1. Hindi Translation and Reliability Testing of the International Spinal Cord Injury Quality of Life Basic Data Set Version 1.0, Indian Spinal Injury Centre, Delhi
2. Effect Of Transcranial Direct Current Stimulation (tDCS) On Motor And Functional Recovery In Individuals With Incomplete Spinal Cord Injury, Indian Spinal Injury Centre, Delhi

Patient care

Item	2022–2023	2023–2024	2024–2025
Neuro-physiotherapy OPD consultations	8924	9220	9444

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Rajeev Aggarwal

1. **Fellowship award of Indian Association of Physiotherapists** at 62nd Annual Conference of the Indian Association of Physiotherapists at Nasik, Maharashtra from 15-16 February 2025.

2. **Physio ICON Award** in Physio Bharat 2022 Conference. 19 June 2022
3. **Editor in Chief; Physiotherapy-The Journal of Indian Association of Physiotherapists. Wolters Kluwer Publication.** ISSN no.-0973-6549; RNI no. TNENG/2005/15319 from April 2021 to March 2024. Indexed in UGC Care list.
4. Editor; Journal of Society of Indian Physiotherapists from April 2021 to March 2024. Indexed in UGC Care list.
5. Editorial board Member. Axone: The newsletter of Society of Neuro-critical care.
6. Member; Institute Ethics Committee, Indian Spinal Injury Centre, Vasant Kunj, Delhi. September 2015 to till date
7. **Selection committee member for the selection of National winners under INSPIRE-MANAK scheme** of Department of Science and Technology, Govt. of India from 17-19th September 2024.
8. Conferred degree certificates as Special Guest in Graduation ceremony of Banarasi Das Chandiwala Institute of Physiotherapy under GGSIPU on 18 June 2024
9. Expert Member, Epilepsy Palliative (EpiPal) Care Program.
10. Member, Movement disorder Society, USA.
11. Member, Delhi Neurological Association.
12. Member, Society of Neuro-critical care (India).
13. President, Physiotherapist's Forum of AIIMS (Regd.)
14. Member, Board of Studies: University School of Medical and Paramedical Health sciences, Guru Gobind Singh Indraprastha University, Delhi
15. Member, Board of Studies, Hamdard University, Delhi.
16. Member, Board of Studies, Amity University, Noida.
17. On the expert panel in DD News on stroke, Total Health in January 2025

Articles in Nav-Bharat times- A leading Hindi daily Newspaper.

a. जोड़ सलामत रहे.. उठने बैठने का तरीका हो सही 8.9.2024

b. डॉक्टरों के अपने फटिनेस मंत्र 30.6.2024

SUNITA SINGH

SENIOR PHYSIOTHERAPIST

2024-2025

1. Attended "Hands on Workshop on Integrated Cervical Spine Manual Therapy" by Dr. Subhash Khatri on 12th and 13th December 2024.
2. Attended 10th International Conference of Physiotherapy AIIMS 2024 by Physiotherapy Unit, Department of Geriatric Medicine, NCA AIIMS New Delhi on 14 and 15 December 2024.
3. Attended Advanced Manual Approaches in Neurorehabilitation by Sumit Ashana on 16 December 2024.
4. Completed my assigned hours of National Learning Weak under the initative of Karmayogi Saptah and Completed online certificate courses on "Prevention of Sexual Harassment of women at work place and " know your ministry -Ministry of Health and Family Welfare.

***** Awarded AIIMS Physio. Ratan for Excellent Contribution in the field of Physiotherapy.

MADHU SHARMA

SENIOR PHYSIOTHERAPIST

2024-2025

1. Attended "Hands on Workshop on Integrated Cervical Spine Manual Therapy" by Dr. Subhash Khatri on 12th and 13th December 2024.

2. Attended 10th International Conference of Physiotherapy AIIMS 2024 by Physiotherapy Unit, Department of Geriatric Medicine, NCA AIIMS New Delhi on 14 and 15 December 2024.
3. Attended Advanced Manual Approaches in Neurorehabilitation by Sumit Ashana on 16 December 2024.
4. Completed my assigned hours of National Learning Weak under the initative of Karmayogi Saptah and Completed online certificate courses on “Prevention of Sexual Harassment of women at work place and “ know your ministry -Ministry of Health and Family Welfare.

***** Awarded AIIMS Physio. Ratan for Excellent Contribution in the field of Physiotherapy.

11.1 B.B. Dikshit Library

Chairman, Library Committee

M Ramam

Chief Librarian (officiating)

Mahendra Kumar Vishwakarma

Background

BB Dikshit Library is the central library and knowledge hub, which is providing knowledge-based value-added services on healthcare to different stakeholders, i.e. faculty, undergraduates, postgraduates, and researchers of all the Departments and Centers. The library is open round the clock to access the vast amount of resources both in print and online. The library also has a rich collection of Hindi books in the healthcare sector for readers (employees; both technical and non-technical). The library is located on two floors. The first-floor houses printed books with a seating capacity of 300 users and the ground floor has journals archival collection, Rajkumari Amrit Kaur collection, and also a book bank facility (Currently this area is under renovation). On an average 270 readers visit the library every day. The library is well-equipped with modern facilities to support biomedical education and research.

The library has predominantly e-resources (90%) which include e-journals and databases. These resources are accessible inside campus over AIIMS IP Range and are also accessible through remote access facilities namely Knimbus and Open Athens. Necessary access to healthcare knowledge services is also disseminated through the library webpage (http://www.aiims.edu/en/library.html.). The library also provides research-based services to its stakeholders such as academic integrity and plagiarism verification facility etc. The library has its own search engine called 'Single Point Search' web-scale discovery service to retrieve library subscribed electronic resources and library holdings effectively. It also acts as a tool for a bibliographic management system for users.

The Library Committee is an advisory body for the management of the library. It advises regarding the procurement of books and journals, budgetary allocation, improving library operations and services, and working out mechanisms in getting institutional membership of all journals for online access and also developing collaborations with other libraries across the globe for online activities. The committee meets at least once every three months and as and when required.

The library has its own Wi-Fi service and around 1029 active readers benefited during the year. The library provides Current Awareness Services and Reference Services. It also provides services such as Reprography service and printout of academic literature. The library imparts orientation and information literacy programs to students, research scholars, and doctors regularly.

Inter-Library Loan service was also provided through DELNET. The library has established ETD (Electronic Thesis and Dissertation) facility to access all Theses and Dissertation through online platforms. Now, the thesis and dissertation are available for library readers in printed/CD formats/online platforms (24x7).

One Nation One Subscription (ONOS): BBD Library has registered at the ONOS portal with its white listed IP addresses and integrated it on remote access tools to access the e-journals for the AIIMS fraternity. The **One Nation One Subscription (ONOS)** is an initiative by the Government of India to provide **free, nationwide access** to academic journals, research papers, and databases. It is launched under the **National Education Policy (NEP) 2020. It was officially launched and began operations on 1 January 2025.** This common platform will host 13, 000+ journals published by 30 international publishers including Elsevier, Springer Nature, Wiley, Taylor & Francis, IEEE, Sage, Bentham Science, BMJ, Cambridge University Press, Emerald, ICE, ACS, AMS, etc. By replacing multiple institutional subscriptions with a **single national license**, ONOS reduces costs, promotes research, and supports India's goal of becoming a global leader in education and innovation.

A brief overview of the resource collection is given below:

Major Resources Statistics over past 3 years

Resources	2022-2023	2023-2024	2024-2025
Total Printed books	74569	74592	74592
Total Hindi books	667	785	785
Gifted Books	18065	18104	18223
Total bound volumes of Journals	84391	84391	84391
Thesis	7974	7980	8045
E-Journals	1167	1210	1223
One Nation One Subscription **(ONOS)**			Total no of Publishers: 30 Total no. of Journals: 13000+
E-Books	804 (McGraw Hill Access Combo)	808 (McGraw Hill Access Combo)	804 (McGraw Hill Access Combo) + 24 LWW E-Books
Point of Care databases and other medical databases (Up-to-date, BMJ Best Practice, BMJ Case Report, BMJ RToP, BMJ Learning, JAMA Evidence, Acland's Anatomy, MedOne Neurosurgery, EBSCO Dentistry & Oral science Source (DOSS)	07	08	09
Abstracting and Indexing databases (EMBASE, SCOPUS, WOS)	3	3	3
Plagiarism Verification Service (i-Thenticate)	No	Yes	Yes
Access facility Software and Services: EBSCO Discovery Service (Single Point search for all subscribed E-resources). All E-Resources are accessed through IP-enabled range of AIIMS & through remote access tools (i) Open Athens (ii) Knimbus.	Yes	Yes	Yes

Library Services Statistics

S. No.	Services	Service provided (April 2023 to March 2024)	Service provided (April 2024 to March 2025)
1	Knimbus Remote Access	648	526
2	Open Athens Remote Access	196	1670
3	No of article supplied through Inter Library Loan Service	405	734
4	Library Membership	936 (New + Renewed)	589 (New + Renewed)
5	Short Term Observation/Training Program	04	Nil
6	Wi-Fi Service (new registration)	501	479
7	No. of queries responded through email	2556	3584

Staff Strength:

Librarians: N=9

Supporting Staff: N=19

Conferences/Workshops/Awards/Honors

Mahendra Kumar Vishwakarma (Details to be provided in tables as per format)

1. Participated as a Co-chair and Rapporteur in the International Conference on Marching Beyond the Libraries: Leadership, Creativity and Innovation, KIIT, Bhubaneswar: 20-21 December 2024. (Should be listed in significant events) pl refer format
2. **Invited subject expert:** A reputed medical institution of Delhi NCR invited as a paper setter and subject expert for the interview of the Junior Librarian Post on 24 March 2025. (Should be listed in significant events) pl refer format

Jahangir Khan:

1. **Invited Co-Chair,** Association of Senior Library and Information Professionals (ASLIP) Conclave 2024 to be held on 7-8 November 2024 at CSIR-Institute of Microbial Technology, Chandigarh. (Should be listed in significant events) pl refer format

Prashant Shrivastava (Details to be provided in tables as per format)

(a) Lectures Delivered

1. Invited lecture to MSc, Nursing students, College of Nursing AIIMS, New Delhi, on Databases in nursing and research, dated: 16 November 2024.
2. Academic Counsellor on Sundays Session: 2024-2025 for Department of Library and Information Science, School of Open Learning, University of Delhi for courses Master of Library and Information Sciences and Bachelor of Library and Information Sciences.

(b) Paper Publication

1. Asok, K., Gupta, D.K. & Shrivastava, P. Research data policy: a library and information science publishers' perspective. Qual Quant (2024). https://doi.org/10.1007/s11135-024-01994-8

(c) Oral paper presentation

1. Shrivastava, P &Vishwakarma, M.K. Health Knowledge Discovery and Learning Development Resources in leading health institutions libraries in India: A study of NIRF ranking medical institutions. International Conference on Marching Beyond the Libraries: Leadership, Creativity and Innovation, KIIT, Bhubaneswar: 20-21 December 2024.

Dinesh Meena

1. Presented a paper titled "B. B. Dikshit Library**:** One of the leading Information Learning Centre in medical sciences" during ASLIP Conclave, 7-8 November 2024 at CSIR-Institute of Microbial Technology, Chandigarh.

11.2 Central Animal Facility

Professor-in-Charge

Tony George Jacob

Veterinary Officer

Pardeep Kumar Yadav

Member Secretary, IAEC & EAWC

During the year 2024-2025, Rats, Mice, Rabbits and Guinea-Pigs were maintained in the Central Animal Facility (CAF).

Laboratory Animal (Rodents):

The average numbers of different laboratory animals that were maintained during the year 2024-2025 are as follows:

1.	Rats (Wistar)	-	1898
2.	Rats (Sprague Dawley)	-	812
3.	Mice (Swiss)	-	786
4.	Mice Balb/c	-	906
5.	Mice C57 BL/6	-	853
6.	Rabbits (New Zealand)	-	71
7.	Guinea Pigs (Dunkin Hartley)	-	39

Inside the Institute:-

The total number of laboratory animals issued: - 3227 (Wistar Rats-1696, S.D Rats-336, Mice Swiss Albino-188, Mice Balb/c- 130, Mice C57BL/6- 787, Rabbit- 81 and Guinea-Pigs- 09) were issued to various departments of the Institute approved protocols by IAEC.

Outside the Institute:-

The total numbers of laboratory animals issued: - 4916 (Wistar Rats- 3218, S.D Rats- 554, Mice Swiss Albino- 550, Mice Balb/c- 208, Mice C57BL/6- 376, Rabbit- 00 and G. Pig- 10) were sold to various Academic and Research Institutions of India as per CCSEA approved guidelines.

Experimental Surgery:

Thirty Three (33) surgical procedures were performed by investigators and researchers from various departments in the Central Animals Facility. The departments include Anatomy, Biophysics, Biotechnology, Reproductive Biology, Stem Cell Facility and Cardiac Biochemistry.

Institutional Animal Ethics Committee:

The Institutional Animal Ethics Committee (IAEC) is approved by the Committee of Control and Supervision of Experiments on Animals (CCSEA) Under the Ministry of Fisheries, Animal Husbandry and Dairying (Govt. of India). The chairperson of the IAEC Dr. B.R. Mirdha, Professor, Dept. of Microbiology. The AIIMS CCSEA registration No. is 10/GO/ReBiBt/S/99/ CPCSEA "Research for Education Purpose, Breeding for in house use and Breeding for the purpose of trade of Rodents animals (Rat, Mice, Rabbit, Guinea Pigs and Hamsters)". The Institutional Animal Ethics Committee (I.A.E.C.) cleared new 100 projects/protocols and 03 projects/protocols extension on laboratory animals (Rodents) of various investigators of Institute during the year 2024-25.

Services Provided:

The Central Animal Facility has been maintaining the laboratory animals Rats-57, Mice-330, and Guinea Pigs-02 belonging to the departments of Anatomy, Bio-med Engg., Biophysics, Biotechnology, Pharmacology, Laboratory Medicine, Neuro-Surgery, Medical Oncology, NMR, Reproductive Biology, Stem Cell Facility, and Cardiac Bio-Chemistry in the year 2024-25.

The IAEC has given permission to department of Ocular Pharmacology & Pharmacy (R.P.C), department of Pharmacology, and department of Physiology, to maintain the laboratory animals in the respective department as per norms and guidelines of CCSEA.

Academic & other activities: (Details to be provided in tabular form)

a) **Dr. Pardeep Kumar Yadav, Sr. Veterinary Officer** Attended the International Pharmacology Conference (IPC) on 28-30 November 2024 at Department of Pharmacology, All India Institute of Medical Sciences, New Delhi.

b) Attended the 25th Indian Veterinary Congress & 32nd Annual Conference of IAAVR & National Symposium on 7 Feburary 2025 at Apollo College of Veterinary Medicine Jaipur (Rajasthan).

c) Attended the CCSEA 2025 online conference on 27th March 2025 at Central Animal Facility Room No. 59.

1. **M.L.T Mr Shiv Govid Sah, Mr Upesh Kumar Lal, Mr Raivender Chauahn, and Dil Navab,**

   a) Attended the CCSEA 2025 online conference on 27 March 2025 at Central Animal Facility Room No. 59.

2022-23		2023-24		2024-25	
Rats (Wistar)	2081	Rats (Wistar)	2083	Rats (Wistar)	1898
Rats (Sprague Dawley)	619	Rats (Sprague Dawley)	686	Rats (Sprague Dawley	812
Mice (Swiss)	789	Mice (Swiss)	590	Mice (Swiss)	786
Mice Balb/c	856	Mice Balb/c	747	Mice Balb/c	906
Mice C57 BL/6	693	Mice C57 BL/6	783	Mice C57 BL/6	853
Rabbits (New Zealand	96	Rabbits (New Zealand	86	Rabbits (New Zealand	71
Guinea Pigs (Dunkin Hartely)	56	Guinea Pigs (Dunkin Hartely)	44	Guinea Pigs (Dunkin Hartely)	39
Inside the Institute	2793	Inside the Institute	2719	Inside the Institute	3227
Outside the Institute	3484	Outside the Institute	4015	Outside the Institute	4916

11.3 Central Workshop

Faculty Coordinator

Ganga Prasad

Professor (Department of Anaesthesiology, Pain Medicine and Critical Care)

Chief Technical Officer

Nitin Srivastava

Senior Technical Officer (Group A)

Manpreet Singh Sudan

Objectives:

Established in 1964 under the Colombo Plan—a collaborative initiative between the Indian and Australian governments—the Central Workshop at AIIMS plays a crucial role in the repair and fabrication of a wide range of equipment and custom devices for both patient care and research. The workshop comprises multiple specialized sections including Electronics, Electrical, Mechanical, Refrigeration, Fine Instrument, Sheet Metal, Painting, and Upholstery, collectively catering to the diverse and advanced needs of AIIMS, a premier multi-specialty institute. Staffed by skilled technicians, the workshop ensures the effective maintenance and repair of equipment used across the institute, thereby eliminating the need for costly and time-consuming outsourcing. This efficient in-house repair mechanism significantly reduces equipment downtime, facilitating seamless and uninterrupted operations throughout the institute.

Strength of the Employees:

The Central Workshop is staffed by a team of engineering professionals committed to the repair, maintenance, and fabrication of equipment essential for general use, patient care, education, and scientific research. Each section is supervised by a Senior Technical Officer or Technical Officer, supported by a team of Workshop Technicians, Assistants, and Helpers. The current staff strength is as follows:

- Chief Technical Officer – 1
- Senior Technical Officer – 1
- Technical Officer – 5
- Technician (Grade I) – 7
- Technician (Grade II) – 5
- Workshop Assistant – 8
- Office Clerk (SAA) – 1
- Store Clerk (SAA) – 1
- Operator (E&M) – 2
- MTS (Outsourced Staff) – 2

Services Available:

The Central Workshop Department extends its services to various AIIMS units, including the Main Hospital, Dr. R.P. Centre for Ophthalmic Sciences, Dr. B.R.A.I.R.C.H, CDER, C.N. Centre, J.P. Narayan Apex Trauma Centre, Mother & Child block , Surgery Block, Trilokpuri Eye Center, NCI Jhajjar, NDDTC Ghaziabad, and CRHSP Ballabhgarh. Following Services are provided by Central workshop:

1. Repair and Maintenance:

The Central Workshop is entrusted with the repair and maintenance of a wide array of equipment essential for effective diagnostics and treatment. This includes medical devices, scientific apparatus, refrigeration systems, general-use items, and hospital furniture. During the fiscal year 2024–25, the workshop received and completed **8,529 repair jobs**. Of these, approximately 94% were successfully repaired and returned to the respective departments, while 6% were declared beyond economical repair and subsequently condemned. Impressively, around 85% of the jobs were completed on the same day, reflecting the workshop's dedication to swift and efficient service. Examples of some of the items repaired by specific sections are outlined below:

Sl No	Section	No. of Jobs completed	Job/Item Description
1	Electronics	828	Cautery Adaptor Cable, Air Purifier, Agarose Gel Electrophoresis, Air Mattress Pump, Air Warmer, Public address System, DVT Pump, Tourniquet Machine, Call bell, Digital wall Clock, ECG Machine, Fetal Doppler, Infusion Pump, Infrared Thermometer, Induction Cooktop, Micro Centrifuge, Microwave Oven, Nebulizer, X-Ray view box (LED), Cardiotocography (CTG), CPAP, Motorized Bed, Sweat Testing Machine, Servo Stabilizer, Spirometer, Ultrasonic Nebulizer, Electronic wt. Machine, Elisa reader, EPT Machine, Drying Cabinet, Dry Bath Incubator, NIBP Monitor, Pulse Oximeter monitor, Paper Shredder, PCR Machine, Peristaltic Pump, Patient Warmer, IFT Pads etc.
2	Electrical	1066	Autoclave, Acrylic Grinder, Autopsy Machine, Electric Kettle, Boiler, Centrifuge, Display Counter, Bull Eye Lamp, Fly killer, Fumigator machine, Hot Air Oven, Gauge Cutter, Hot Case, Hot Plate, Ice Crushing M/C, Needle Destroyer, Laminar Air Flow, Magnetic stirrer, ,Oil Radiator, Suction Machine, OT Light, Water Bath, On-Off timer, X-ray View Box, Hand dryer Machine, Plaster Cutting Machine, Zig-saw Machine, Hot Air Gun, Shaker, Mayo Stand, Incubator, Steamer, Air Compressor system, Dental Acrylizer, Bain Marie counter, Vegetable Cutting Machine, Gravy Machine, Gooseneck Lamp etc
3	Mechanical and Sheet Metal	3130	Oxygen Stand, Pt. Trolley, I V Stand, Revolving Stool, Foot Step Stool, Office Chair, Wheel Chair, Instrument Trolley, Garbage Trolly, Loading Trolley, Side Screen, Push Cart, 3 Seater SS Bench, Mayo stand, Patient Bed, Cardiac Table, Food trolley, Crash Cart trolley, Laundry Trolley, Office Almirah , Bed Side Locker, File Compactor, MLS stand, Double Basin Stand, Medicine Trolley, Surgical Drums, Surgical Instruments, Tr. Tube, Scissors (Gauge Cutting), OT Table, Iron Rack, Examination Couch, Walker, Transducer Stand, Gas Burner, ECMO Cart, Ventilator stand, Hydraulic Chair etc.
4	Fine Instrument & BP Instruments	2991	Digital BP Apparatus, Dial BP, Torch, Wall clock, Weight Machine, Oxygen Flow Meters, Single Gauge & Double Gauge Oxygen Regulators, Suction Regulators, Wall Suction regulator and Flow meter, Ophthalmoscope, Laryngoscopes, Digital Thermometer, Stethoscope, Hub Cutter, Stadiometer etc.
5	Refrigeration	262	Deep Freezers (up to -20°C), Ice Cream Cabinet, Refrigerators, Cold Display Counters, Mini cold Storage, Cold Centrifuge, Ice Flaking Machine etc.
6	Upholstery	252	Revolving Stool, Wheel Chair, Lead Apron, Executive Chair, Pt. Trolley Mattress, Surgical / Dental Stool, OT Table Mattress, Settee Mattress, Cardiac Table, Tourniquet cuff etc.

2. Painting and Aesthetics:

The Painting Section plays a pivotal role in upholding the aesthetic standards of the hospital environment, ensuring it remains clean, professional, and welcoming. The team undertakes the painting of office and hospital furniture as well as other general-use items. In the year 2024–25, a total of **796 items** were painted by the Central Workshop which include oxygen Stand, Pt. Trolley, IV Stand, Office Chair, Wheel Chair, Instrument Trolley, Loading Trolley, Screen, Push Cart, 3 Seater Bench, Mayo stand, Patient Bed, Cardiac Table, Laundry Trolley, Office Almirah, Bed Side Locker, Refrigerator, Microwave oven, Hot Plate, Hydraulic Trolley, Foot Step, Metal Settee and other Hospital and Office Furniture etc.

3. Fabrication and Guidance:

Despite an increasing workload in repairs and maintenance, the Central Workshop continues to support doctors and researchers in designing and fabricating new equipment and devices to aid patient care and scientific research. This initiative contributes to innovation in healthcare and enhances patient outcomes. A total of **437 items** were fabricated during the year 2024–25. Details of the fabricated items are as below:

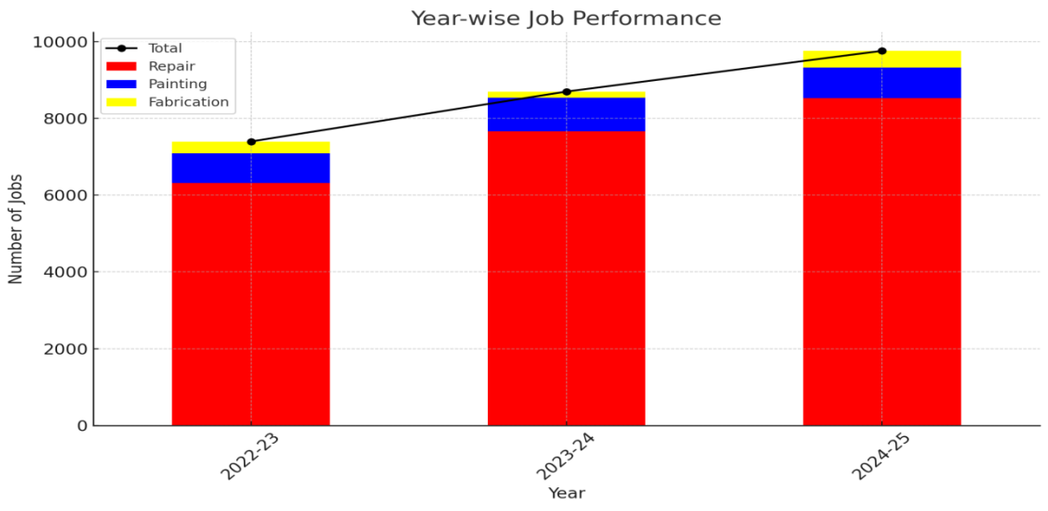
Sl No.	Item Description	Quantity	Department
1	Handle for Surgical Instruments (PVC)	42	Ortho OT, JPNATC OT, MOT
2	Double Side Hammer caps	2	Ortho OT
3	Copper Stylet	13	AB6, OMFS OT
4	Copper Probe	10	Surgery Minor OT
5	Patient Name Plates	10	AB8 ICU
6	DVT/Infusion Pump Clamp	6	Surgical Block
7	Forearm Braces	2	Physiology
8	Cylindrical Roller Support for Hand finger (As per design)	18	MRI Facility NMR
9	Arm & Lever Tip for Time Marker	5	Physiology
10	Endoscopy Tube Holder	6	ENT
11	L shaped Knee Holder	1	NCA OT
12	Electrode for Spot Welding Machine	1	CWS
13	Base Support for VIO Cart	1	MOT 6th Floor
14	Head Support attachment for OT Table	1	TC NS OT
15	Perspex Box (As per dimensions given)	2	Biophysics
16	OT Table Arm Rest	7	Urology OT, JPNATC NS
17	OT Table Booster (PCNL Roll)	12	BPS OT, NCA OT,
18	OT Table Half Round Booster	2	NCA OT
19	Pt. Head support with belt	1	NCA OT
20	L-Shape knee Holder with booster	1	NCA OT
21	Wheel Chair Seat and Back (Upholstery)	4	CNC
22	L piece for ET Tube support	16	BPS OT, NCA OT, SB OT
23	Patient Chart Holder	20	C6 Ward
24	Duty Chart Holder	2	NCA OT
25	Wheel Chair side support	2	IRCH 1st floor
26	Numbering Tags (Aluminum)	250	Anatomy

4. Teaching Activity and Short-Term Training:

The Central Workshop also contributes to the educational mission of AIIMS by providing training to B.Sc. (OT Technology) students. The program includes instruction on the safe and effective use of equipment, operational principles, and proper handling techniques as per curriculum requirements.

Performance Chart of Current Vs Previous Years:

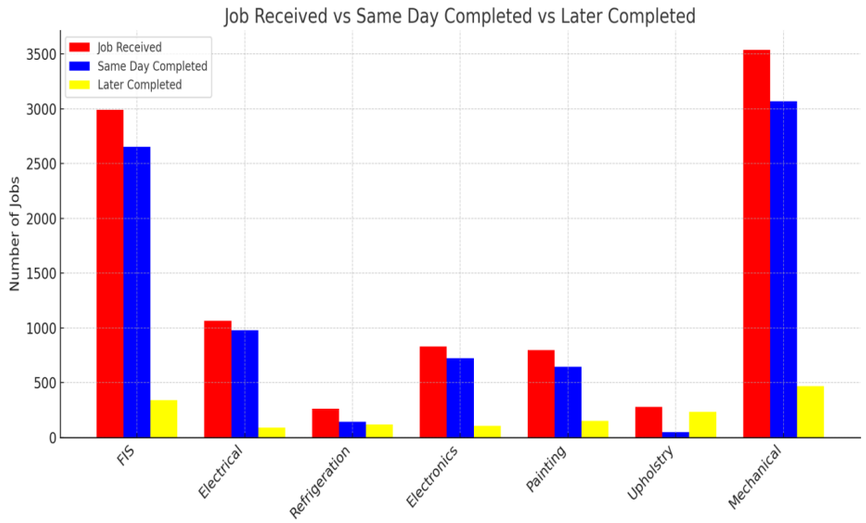
YEAR	No. of Jobs for Repair	No. of jobs for Painting	No. of Jobs for Fabrication	Total No. of Jobs
2024-25	8529	796	437	9762
2023-24	7668	869	164	8701
2022-23	6320	774	306	7400



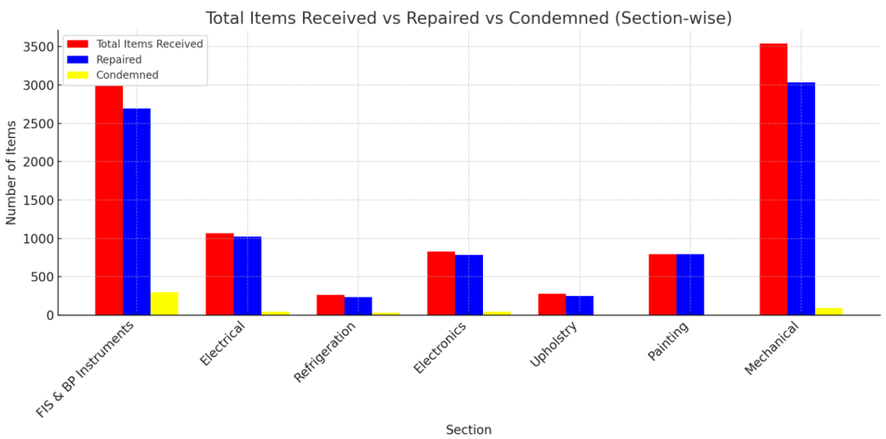
Consolidated Performance Report of FY 2024-25:

Section	Total Items Received	Same day Complete	Later completed	Repair	Condemned	Fabricated	Total Repair Cost
FIS & BP Instruments	2991	2651	340	2695	296	0	303576.21
Electrical	1066	978	88	1024	42	0	159319.35
Refrigeration	262	144	118	234	28	0	94294.74
Electronics	828	721	107	785	43	0	101900.2
Upholstery	279	47	232	246	6	27	42041.25
Painting	796	645	151	796	0	0	181811.99
Mechanical	3540	3070	470	3036	94	410	632254.64
Total	9762	8256	1506	8816	509	437	1515198.38

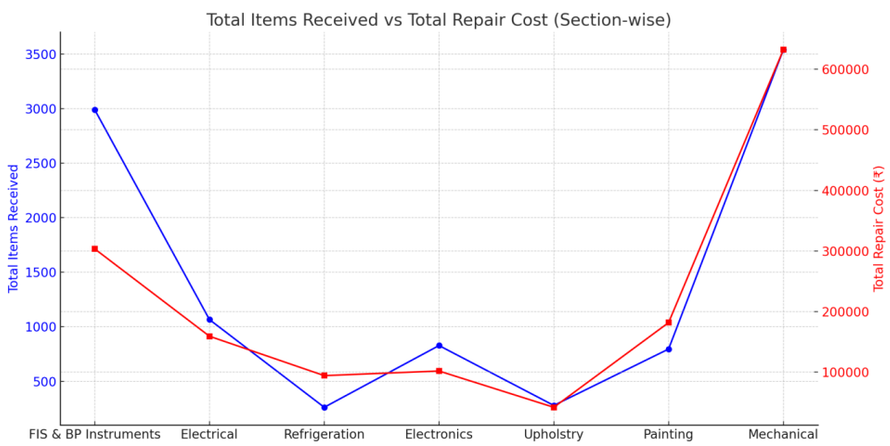
Section Wise Performance chart: Item Received Vs same day completed:



Section Wise Performance chart: Item Received Vs Repaired & Condemned



Section wise total items received Vs Total repair cost Chart:



11.4. Centre for Integrative Medicine & Research (CIMR)

Professor In-charge

Gautam Sharma

Faculty

Angel Rajan Singh

HIGHLIGHTS

- Centre for Integrative Medicine and Research (CIMR) is envisioned as a "state of art research centre" to integrate traditional Indian medical practices with conventional medicine through scientific validation for the holistic treatment, disease prevention and health promotion. CIMR is supported by the Ministry of Ayush under the scheme of "Centre of Excellence (CoE) for Yoga and Ayurveda" and All India Institute of Medical Sciences, New Delhi.
- CIMR initiated over 50 research projects, including funded, departmental, and collaborative projects with 21 departments of AIIMS, New Delhi, of which 33 have been completed. These include MD, DM, PhD and MSc thesis with Yoga and Ayurveda as an intervention. CIMR has external joint research activities with institutions such as Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, Atal Bihari Vajpayee Institute of Medical Sciences &Dr. Ram Manohar Lohia Hospital, New Delhi, Maulana Azad Medical College and associated Govind Ballabh Pant Institute of Postgraduate Medical Education and Research, New Delhi, Dayanand Medical College & Hospital, Ludhiana, Swami Vivekananda Yoga Anusandhana Sansthana(S-VYASA) Bengaluru, All India Institute of Ayurveda, New Delhi, Institute of Genomics and Integrative Biology, New Delhi and Dabur India Limited, New Delhi.
- Dr. Gautam Sharma, Professor In-charge, was invited to the Heart Rhythm-2024 held in Boston, U.S.A. to deliver a lecture on "Yoga for Managing Patients with Cardiac Dysautonomia" on 19 May 2024.
- Dr. Gautam Sharma, Professor In-charge, was invited to the 17th Asian Pacific Heart Rhythm Society's scientific sessions held in Sydney, Australia to deliver a lecture on "Role of Yoga in Vasovagal syncope" on 26 September 2024.

Major activities in the past year

Yoga & Ayurveda services

A total of 12,322 participants attended Yoga and Ayurveda sessions at CIMR between April 2024 and March 2025. This includes both in-patients and outpatients of All India Institute of Medical Sciences, New Delhi. Out of these, 2325 yoga sessions were conducted virtually. CIMR does not levy any fee for the Yoga and Ayurvedic treatments provided to the participants.

First International Conference: Advances in Integrative Medicine (AIM) 2025

CIMR organised an international conference titled "Advances in Integrative Medicine (AIM) 2025" on 7-8 March 2025. This is the first international conference hosted by AIIMS, which brought together experts from the conventional medicine and the AYUSH sectors to discuss the progress and prospects of Integrative Medicine in India and globally. This two-day conference included scientific sessions about current evidence, ongoing research and prospects of integrative medicine in cardiology, obstetrics and gynaecology, systemic diseases, neurology and mental health. Three hands-on workshops and oral and poster presentations were organised for the AYUSH students and professionals. One of the major highlights was the round table meeting, a strategic discussion with healthcare stakeholders and institutional leaders. The meeting was chaired by Dr. V.K. Paul (Member, NITI Ayog) and attended by Dr. Rajeev Bahl (DG, ICMR), Vaidya Rajesh Kotecha (Secretary, Min. of AYUSH), Sh. Subhashish Panda (Additional Secretary, PMO), Dr. Kalyanam Shivkumar (UCLA), Dr. Gautam Sharma (Professor In-charge, CIMR), Dr. A. Raghu (DDG, AYUSH), Dr. B.N. Gangadhar (Chairman, National Medical Commission, Former, Director NIMHANS), Dr. Manjunath K (VC, S-VYASA), Dr. Nikhil Tandon (Research Dean, AIIMS, New Delhi), and Dr. M. Srinivas (Director, AIIMS, New Delhi). 14 Directors of AIIMS attended the meeting online, including AIIMS Jodhpur, AIIMS Raipur, AIIMS Kalyani, AIIMS Jammu, AIIMS Bhubaneswar, AIIMS Deogarh, AIIMS Avantipura.



10th International Day of Yoga - 2024

CIMR, AIIMS, New Delhi, conducted a series of events and workshops from 10 June 2024-21 June 2024, to mark the 10th International Day of Yoga (IDY) celebration. The events began with an inter-institutional yoga asana competition on 10th June 2024. On 11 June 2024, an inter-institutional quiz competition – 'Yoga Quizathon' was held. A series of interactive workshops with the theme **"SRIYAM- Synchronising Rhythms with Yoga and Mindfulness"** was organised for the faculty, nursing officers, students, researchers, patients, administrative officers and other staff of AIIMS, New Delhi.



On the day of the International Day of Yoga (21 June 2024), a mass Yoga practice for the faculty, students, staff, and patients of the institute was organised at the central lawn of AIIMS, New Delhi. **Professor M Srinivas**, Director, AIIMS, New Delhi, addressed the gathering. Distinguished guests, **Smt. Anupriya Patel**, Minister of State for Health and Family Welfare; **Shri. Apurva Chandra**, GoI, Secretary to the Ministry of Health & Family Welfare, graced the occasion. The event was well-received with the overwhelming participation of over **3500** Yoga enthusiasts.



Pictures: *International Day of Yoga (2024) celebration at AIIMS, New Delhi.*

EDUCATION

- PhD thesis
  - Efficacy of Yoga in Indian Patient with Coronary Artery Disease (YOGICAD).

CMEs/Workshops/Symposia/National and International Conferences:

- **SRIYAM- Synchronizing Rhythms with Yoga and Mindfulness"** Yoga workshops were conducted for the following:
  1. CIMR Patients on 13 June 2024.
  2. Students and Researchers conducted on 14 June 2024.
  3. AIIMS Faculty conducted on 16 June 2024.
  4. Officers & Other Staff conducted on 18 June 2024.
  5. Nursing Officers conducted on 19 June 2024.
  - **Research Methodology Workshop** was organised for AYUSH Students and professionals on 7 March 2025.
  - **Basic Life Support Workshop** was organised for AYUSH Students on 7 March 2025.
  - **Yoga for Metabolic Disorders** was organised for Nursing Officers of AIIMS on 7 March 2025.
  - **1st International conference of integrative medicine (AIM2025)** was organised on 7-8 March 2025
  - **Yoga awareness workshop** was organised for MSc Nursing students of AIIMS, New Delhi on 10 January 2025.
  - **Yoga awareness workshop** was organised for Assistant Nursing Superintendents of AIIMS, New Delhi on 14 January 2025.
  - **Mindful Nursing**: Enhancing Wellbeing & Resilience workshop was organised for BSc Nursing students on 18 January 2025.
  - **Mindful Nursing**: Enhancing Wellbeing & Resilience workshop was organised for Assistant Nursing Superintendents on 22nd January 2025.
  - **Mindful Nursing**: Enhancing Wellbeing & Resilience workshop was organised for 4th year BSc Nursing students on 31 January 2025.
  - **Mindful Nursing**: Enhancing Wellbeing & Resilience workshop was organised for Assistant Nursing Superintendents on 12 February 2025.
  - **Clinical Research Ground (CGR) session** on women & child health was conducted in the Department of Obstetrics and Gynaecology at AIIMS, New Delhi 1 April 2025.

Lectures delivered at CMEs, National and International Conferences:

Lectures delivered:19

Gautam Sharma

1. Newer evidence of Yoga in Medicine, Cardiology Update and Cardio-Imaging conference, Society of Image guided Therapy at DMCH, College campus, 06 March 2022, Ludhiana
2. "When should we refer for AF Ablation?" in the session Atrial Fibrillation: Physician Guide, 36th annual conference of Cardiological Society of India (CSI) – Delhi, 26 March 2022, New Delhi

3. Management of AF in Heart Failure, AF SUMMIT 2022, 30 April 2022, Jaipur
4. Integrative Medicine and Optimal Immunity, 24th INCOFYRA Conference, S-VYASA University, Bengaluru, 28 May 2022, Virtual talk
5. AF Ablation - An introduction, 14th Annual Conference of the Indian Heart Rhythm Society (IHRS), 29 October 2022, Kochi
6. Role of Yoga in preventing cardio-vascular diseases in context to stress and modern lifestyle, Dialogues in health and wellness, India International Centre (IIC), 15 February 2023, New Delhi
7. Evidence Based Insights- The Yoga- Heart connection, Annual meeting of IACS and ISHR, 16-18 February 2023, Chandigarh
8. HPSD Ablation, AI, Close Protocol: Improving Outcomes in AF Ablation, Indian Complex Arrhythmia Summit, 1 April 2023, Gurugram
9. Role of yoga and behavioural therapy in reflex syncope, European Society of Cardiology (ESC) Congress 2023, 26 August 2023, Amsterdam, The Netherlands
10. When should we refer for AF Ablation? 15th Annual Conference of Indian Heart Rhythm Society (IHRSCON 2023 Delhi), 28 October 2023, New Delhi
11. Yoga in EP practice, 75th Annual Conference of Cardiological Society of India (CSICON 2023), 7 December 2023, Kolkata
12. AF in HF – A solution to the Achilles Heel, 2nd joint Annual meeting of international society of heart Research & international academy of cardiovascular science ISHR 2024, All India Institute of Medical Sciences (AIIMS), Jodhpur, 17 February 2024, Jodhpur
13. Yoga for Managing Patients with Cardiac Dysautonomia, Heart Rhythm-2024, organized by Heart Rhythm Society, 19 May 2024, Boston, USA
14. Prevention of AF, risk factor management and role of Yoga, Jaipur Heart Rhythm Summit, 10-11 August 2024, Jaipur, Rajasthan
15. Yoga and Heart, SRIHER, Cardiology Update Conference at Sri Ramachandra Institute of Higher Education and Research (SRIHER) with the Professor S. Thanikachalam Endowment Oration - CURE 2024, 24-25 August 2024, Chennai, Tamil Nadu
16. Atrial Fibrillation: A to Z, Udaipur Cardiology Congress (UCC) organized by GBH Medical College and Heart Saviour Society and Indian Association of Physicians (API), 31 August-1 September 2024, Udaipur, Rajasthan
17. Role of Yoga in Vasovagal syncope, The 17th APHRS scientific sessions, 26 September 2024, Sydney, Australia
18. AF symposium on Risk Factor modification. What is the Evidence?, AIG hospital, Hyderabad, 1 Match, 2025, Hyderabad
19. Risk Factors and Prevention on Atrial Fibrillation, Cardiology Society of India, Delhi Branch, held on., 7-8 March 2025, Delhi

LECTURES DELIVERED OVER PAST THREE YEARS:

2022-23	2023-24	2024-25
05	05	07

Lectures/Presentation by CIMR Research/Nursing personnel

1. Anupama Gupta, Sleep pattern in coronary artery disease patients and Dosa Kalas of Dinacharya, 11th Asian Sleep Research Society Congress and 8th Asian Forum on Chronobiology to be held at hotel, 9 February 2025, Andaz, Aerocity-New Delhi
2. Restless Legs Syndrome and Coronary Artery Disease, 11th Asian Sleep Research Society Congress and 8th Asian Forum on Chronobiology to be held at hotel, 9 February 2025, Andaz, Aerocity-New Delhi
3. Complex interplay of autonomic nervous system during yoga Nidra, sleep and wake in patients with coronary artery disease, IANCON 2024, 18 October 2024, Vishakapattanam

4. Bharat Krushna Khuntia, Effects of Shirodhara & Brief Behavioural Therapy on quality of sleep among patients with Chronic Insomnia-An open label Randomized Controlled Trial, 1st International Conference on Advances in Integrative Medicine, AIIMS, New Delhi, 08 March 2025, New Delhi
5. Reverse Pharmacology of Traditional Medicine using Modern Biomedical Techniques, CSIR-Indian Institute of Chemical Biology (CSIR-IICB) & Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of AYUSH, 22 February 2025, New Delhi
6. Plenary session on Integrating Ayurveda with developmental biology and genetics for advancing healthcare, 15 December 2024, "Ayurveda Biology", 10th World Ayurveda Congress & AROGYA EXPO World Ayurveda Foundation with active support from the Ministry of Ayush, Govt of India and Govt of Uttarakhand, 15 December 2024, New Delhi
7. Sleep Health: Ayurvedic concepts and Evidence, National Seminar on the occasion of Ayurveda Parva 2024 Gopabandhu Ayurveda, Mahavidyalaya, Puri and Ministry of Ayush, Govt of India, 05 December 2024, Puri, odisha
8. Mansingh Jat, Nursing Quality indicators:- KPI of OT, ICU, WARDS, Promotional training at RML Hospital, 11 December 2025, RML Hospital New Delhi
9. Problem identification and formation of SMART aims, Quality Improvement workshop, 11 February 2025, AIIMS, New Delhi
10. Problem Analysis and Measurement, Quality Improvement workshop at Neuro science centre, 12 March 2025, AIIMS new Delhi
11. Ms Sudha Lama, Integrative therapies in healthcare in in-service education program on Redefining boundaries: the future of Nursing Practice., Workshop By College of Nursing, 11 December 2024, SET Facility, AIIMS, New Delhi
12. Mindful Nursing- Enhancing Well-being & Resilience for M.Sc Nursing Students, Workshop in AIIMS, CIMR, New Delhi, 10 January 2025, New Delhi
13. Role of Alternative therapies in Mental health Care & its outcomes, Webinar-AIIMS-CNE- Mental Health Nursing (Reshaping Mental Health care Nursing), 15 February 2025, Online
14. Yoga as an Intervention for Tobacco Cessation- A Randomized Controlled trial, 1st International Conference on Advances in Integrative Medicine, 08 March 2025, New Delhi
15. Ms. Parul, Role of yoga in Heart Failure, 1st National Conference on World Heart Day, 29 September 2024, AIIMS, Nagpur
16. Current trends in Nursing, Workshop of Society of Cardiac Nurses, 29 March 2025, New Delih
17. Anu James Vibin, Yoga and Meditation Workshop – Integrating Alternative Therapies with Nursing Practice, Workshop in College of Nursing, March 2024, AIIMS New Delhi
18. Integrative therapies in healthcare in in-service education program on Redefining boundaries: the future of Nursing Practice, Workshop by College of Nursing, SET Facility, 11 December 2024, AIIMS, New Delhi
19. Effect of Integrative Yoga on Psychological Outcomes & Inflammatory Bio-markers in Caregivers of Paediatric Patients Undergoing Cardiac Surgery: A Randomized Control Trial.YOGPSE trial, International Conference on Integrative Medicine, CIMR, SET facility, 8 March 2025, AIIMS, New Delhi
20. Amit Kashyap, Role of Yoga to relieve pain induced pelvic floor spasm in Bladder Pain Syndrome, Live webinar of GIBS case-based discussion organised by Medanta hospital & Global Interstitial Cystitis, Bladder Pain Society, 22 November 2025, Gurgaon, Haryana
21. Priya P.S, Predictors of effective reduction in AHI after yoga-based Intervention for treatment of Obstructive Sleep Apnea., International Conference on Advances in Integrative Medicine, CIMR, 08 March 2025, New Delhi

RESEARCH

Funded:

Ongoing

1. Centre for Mind Body Interventions Through Yoga (CCMBIY), Gautam Sharma, CCRYN, 5 years, 2024-2029, Rs 2.50 Lakhs
2. Centre of Excellence for Yoga and Ayurveda, Gautam Sharma, Ministry of AYUSH, 07 years, -6 Months, February 2017, -July 2025, Rs 964.11 Lakhs

3. Clinical efficacy of Arjunaksheerpaka [A traditional Ayurvedic formulation of stem bark of Terminalia Arjuna (Roxb. Ex DC.) Wight &Arn.] to standard treatment care in post CABG patients. A double blind, randomised placebo-controlled pilot study, Gautam Sharma, Dabur India Pvt Ltd, 5 years 7 months, March 19-July 2025, Rs 17.19 Lakhs
4. Effect of Yoga- based intervention on VPC burden, quality of life and LV functions in patients with Ventricular premature complexes (VPC): A Randomized Controlled Trial, Gautam Sharma, Department of Science and Technology (DST), 3 years, June 2021-March 2025, Rs 32.32 Lakhs

Completed

1. Effect of Yoga on Clinical Outcomes and Quality of Life in Patients with Vasovagal Syncope. A Randomized Control Trial, Dr. Gautam Shrama, Ministry of AYUSH, 04 years, 2018-2022, Rs 24,65,616

Departmental projects:

Ongoing

1. A comparative study between Shirodharaand Yoga nidra on psychomotor performance and autonomic variability among doctoral students: A pilot randomized comparative trial
2. Effect of oil dripping treatment (Shirodhara) on sleep quality in patients with recent cardio-cereberovascular events (RESOLVE TRIAL) : A Randomized controlled trial
3. Effect of Slow Pranayamic breathing on neural correlates(Physiological, psychological, imaging) and Cardiophysiological markers in healthy subjects: A Randomized controlled trial
4. Efficacy of YOGA in Indian Patient with Coronary Artery Disease (YOGICAD)
5. Two Arm Parallel Open Label Randomized Controlled Add On Trial To Investigate The Efficacy of Shirodhara (Ayurvedic Oil Dripping Treatment) In The Subjects With Chronic Insomnia Disorder

Departmental projects: Completed

1. Comparing Prakriti (Ayurveda constitution types) prediction between Ayurvedic clinical methods and questionnaire-based assessment: A cross-sectional study
2. Effect of Yoga on Burn-out in healthcare professionals working during COVID-19 pandemic
3. Effect of add-on integrative approach to yoga therapy on adult with clinical depression. A Randomized Controlled Trial
4. Psychological distress among health care workers in India during COVID-19 outbreak: A Nationwide Survey
5. Knowledge, Attitude and Practice of Yoga system of medicine among patients attending the Cardio-Neurology OPD of a tertiary care hospital in India. A Single Centre Survey
6. Knowledge, Attitude and Practice of Ayurvedic system of medicine among patients attending the Cardio-Neurology OPD of a tertiary care hospital in India. A Single Centre Survey
7. To study the effect of Bhramari pranayama on blood pressure, heart rate, heart rate variability, cardiac output, peripheral resistance in patients with hypertension.
8. A network pharmacology-based approach to explore therapeutic mechanism of Indian herbal formulation NishaAmalaki in treating Type 2 diabetes mellitus
9. Using Yoga as a complementary intervention for smoking and tobacco Cessation: A Probe Trial

Collaborative projects:

Ongoing

1. Add on Efficacy and Functional outcomes of Combination of Ayurveda therapies along with oral administration of Ashwagandha churnam (a traditional Ayurvedic formulation made up of roots of Withania somnifera (L) Dunal) in children with Spastic cerebral Palsy: A randomized controlled open label Pilot Study, Pediatrics
2. Clinical efficacy of addition of Agastya Haritakiavaleha [An Ayurvedic formulation] to standard treatment care and Yoga in the management of Bronchial Asthma in Children and Adolescents. A randomized controlled trial, Pediatrics

3. Efficacy of Bacopa monnieri Linn. on cognitive functions & alterations in blood metabolites in patients with amnestic mild cognitive impairment and early Alzheimer Disease: A double blind, randomized placebo-controlled trial, Neurology
4. Efficacy of comprehensive Ayurveda intervention on remission of prediabetes: A randomized control trial, Endocrinology
5. Elucidating the meditation associated epigenetic modulation in persons with temporal and temporal plus epilepsy, Neurology
6. Randomized trial of Yoga as an add on therapy in patients with Multiple Sclerosis, Neurology
7. The effect of structured yoga practices on the quality of life and clinical outcomes in patients with ulcerative colitis, Gastroenterology
8. To evaluate the additive effect of Yoga on follicular response in PCOS women undergoing ovulation induction cycle-a pilot randomized controlled trial, Obstetrics & Gynaecology
9. Yoga in coronary artery disease and Quality of Sleep (YOGA-CADETS), Cardiology

Completed

1. A feasibility study to examine the effect of video assisted yoga on pain perception fatigue and QOL in children with planned chemotherapy, College of Nursing & Oncology
2. A Pilot multicentre open label parallel arm RCT evaluating whether yoga can delay initiation of insulin therapy in patients with type 2 diabetes mellitus with suboptimal glycemic control on near maximal oral drugs and /or who may require insulin therapy in near future, Endocrinology
3. A prospective randomized controlled trial to study the effect of prenatal yoga on maternal weight gain and psychological stress in pregnancy and its association with pregnancy outcomes, Obstetrics & Gynecology
4. An open label 3 arm Randomized Control Trial to evaluate the effect of different modalities of lifestyle intervention (videos educating on lifestyle modification, Yoga and standard care) on HbA1C in individuals with Type 2 Diabetes Mellitus on > half maximal dose of 2 or more oral anti-hyperglycemic drugs for at-least 3 months, Endocrinology
5. Benefit of Yoga therapy in management of systemic sclerosis as compared to standard drug therapy alone: A pilot randomized controlled trial, Neurology
6. Effect of a Lifestyle Modification Programme with Yoga on Overweight and Non-Morbidly obese patients with Obstructive Sleep Apnoea – A Randomized controlled study, Neurology
7. Effect of integrated Yoga on ART outcomes and Psychological stress in patients undergoing In-Vitro-Fertilization (IVF) cycles: A Prospective Randomized Controlled Trial, Obstetrics & Gynecology
8. Effect of yoga as add on therapy in migraine: A randomized controlled study, Neurology
9. Effect of yoga in adult patient with Type-2 Diabetes Mellitus. A Pilot Randomized control Trial, Endocrinology
10. Effect of Yoga on Psychological, cognitive and glycemic control in patient with T2DM and Depression: Two arm parallel Randomized control trial, Endocrinology
11. Efficacy of YOGA based cardiac rehabilitation on quality of life and clinical outcomes in patients who have undergone Fontan operation: A randomized control trial., Cardiology
12. Efficacy of yoga on Symptom Severity and Quality of life of patients suffering from pain predominant medically unexplained physical symptoms (MUPS), Medicine
13. Evaluation of the prophylactic effect of comprehensive Ayurveda and Mindfulness based yoga regimen among health care workers (HCW) of a tertiary care hospital in Delhi during COVID-19 pandemic: A Randomized Controlled Trial, Medicine
14. Feasibility of introducing Yoga and its effect on stress and perceived Well-Being on New Medical Under-Graduate Students of AIIMS New Delhi, Centre For Community Medicine
15. Feasibility, efficacy, and safety of Yoga therapy in women with urinary incontinence: A prospective randomized control trial., Urology
16. Impact of Yoga and Pranayama on Respiratory Functions in Patients with Scoliosis: A randomized controlled trial, Orthopaedics

17. Interventions for stigma in persons with epilepsy in India, Neurology
18. Neurocognitive co-relates of emotion and cognition amongst Yoga Practitioners, Physically Active and Sedentary Lifestyle individuals: An FMRI and Neuropsychological Study, Neurology
19. Randomized Trial to study the effect of lifestyle Management through Indian System of Medicine including Yoga in heart failure patients along with standard care in modern medicine, Cardiology
20. Safety & efficacy of yoga based cardiac rehabilitation after coronary artery bypass surgery in patients of coronary artery disease with moderate-severe left ventricular dysfunction: a post-surgery follow up randomized controlled study, Cardiology/CTVS
21. To compare the Effectiveness of conventional therapeutic exercises with Yoga for chronic nonspecific Low Back Pain: A randomized comparative trial, Physical Medicine and Rehabilitation
22. To effects of yoga on dyspnoea, muscle strength, inflammatory markers and quality of life in patients with Bronchiectasis. A randomized controlled trial, Pulmonary Medicine
23. Yoga for ICD patients: A Randomized Controlled Trial to evaluate the Efficacy of Yoga on Psychological and Arrhythmic outcomes in patients with Implantable Cardioverter Defibrillators, Cardiology

RESEARCH OVER PAST 3 YEARS

Research project	2022–2023	2023–2024	2024–25
Total funded projects	03	03	04
Total funding	Rs 10,13,62,638	Rs 10,13,62,638	Rs 12,63,62,638

Publications

Journals: 03 **Abstracts:01**

Publications over last 3 years

Item	2022–23	2023–24	2024–25
Total	4	5	4
Journal articles	4	5	3
Abstracts	--	--	1
Chapters in books	--	--	--
Books	--	--	--

PATIENT CARE

Item	2022–23	2023–24	2024–25
OPD consultations	-	-	-
Special clinic consultations	-	-	-
Patients provided rehabilitation services	12150	12123	14647
Total inpatient admissions	-	-	-

AWARDS, HONOURS AND SIGNIFICANT EVENTS

MEDIA COVERAGE:

1. Drug Today, AIIMS hosts first international conference on advances in integrative medicine, 7 March 2025
2. The Tribune, Yoga effective in easing migraine: AIIMS Centre, 08 March 2025

3. Punjab Kesari, Dil ke marizon ke liye yog hai ramban, aiims mai yog, ayurved aur Ayush par mahasammelan, 08 March 2025
4. DD News, The future of Healthcare: CIMR's Research on Yoga as a medical therapy, 09 March 25
5. The Times of India, Flex it! Studies show positive impact of yoga, ayurveda on many diseases, 17 March 2025
6. CNBC Awaz, Live Panel discussion, 17 March 2025
7. The Week, Yoga an excellent method to deal with lifestyle diseases: Cardiologist Gautam Sharma, 09 July 2023
8. The Hindu, Integrated medicine system to alter future of disease management, 09 March 2023
9. *Mann Ki Baat* (AIR), "*Mann Ki Baat*" by Prime Minister of India, 25 December 2022
10. This Week in Cardiology (Podcast) Medscape, This Week in Cardiology, 17 December 2022

11.5 Computer Facility

Professor-In-Charge

Pooja Gupta

Assisting Faculty and Chief Information Security Officer

Vivek Gupta

Systems Analyst

Sk Meher

Sh Pawan Sharma

Senior Programmers

Shyamal Barua

Tripta

Sanjeev Kumar

Amit Bhati

Ankita Saini

Consultants

Rajiv Gupta

Hari Shanker

Points of Pride

Software Services and Education	IT Infrastructure and Network
• Hospital Information System • Online Appointment • Admission, Discharge and Transfer • E-Hospital Billing • Smart Cash Card • Laboratory Information System • RIS • Software Services • In-house Modules • Clinical Applications • E-Office • Employees Health Services Application (EHS) • AIIMS website: www.aiims.edu • Computer education classes for Undergraduate and Postgraduate Nursing students • Inventory Management System • Aadhaar Based Biometric Attendance System	• NKN connectivity for high speed Internet connection • Wi-Fi Coverage in Hostel buildings • In house Data Centre • Cyber Security

Hospital Information System (E-Hospital)

A Hospital Information System (HIS) serves as the backbone of modern healthcare institutions, facilitating the seamless integration of clinical, administrative, and financial processes. At AIIMS New Delhi, the implementation of a robust HIS has revolutionized healthcare management, enhancing efficiency, quality of care, and patient satisfaction. E-Hospital is a Hospital Management Information System which was developed by National Informatics Centre, the IT systems agency under the Ministry of Electronics and Information Technology. The software enables the digitisation of internal workflows and processes of hospital. E-Hospital is a workflow based integrated HIMS which address all major functional areas of a hospital.

Following are the modules implemented

- Patient Registration (OPD, Casualty, Appointments)
- Admission, Discharge and Transfers (ADT)
- Billing System
- Laboratory Information System
- Radiology Information System
- Inventory Management System
- Dietary services
- E-Blood Bank

E-Hospital is integrated with Ayushman Bharath Digital Mission (ABDM) ecosystem. ABHA number is a 14 digit number that will uniquely identify a person as a participant in India's digital healthcare ecosystem. Digitally secure ABHA allows patients to access and share their health records digitally. It's a step towards a more efficient, effective, and patient care.

Patient Registration

The patient registration module of the e-Hospital application is used for patient registration in the OPD and Casualty departments.

Online Appointments Stats (Ors And e-Hospital)

Particulars	2022-2023	2023-2024	2024-2025
New Patients	1101249	1185499	1131495
Follow up Patients	1679625	2265938	2507595

Admission, Discharge And Transfer Module

The ADT module commences when the patient is being registered and allocated bed in the ward. It deals with the treatment and services provided to the patient during his stay in the hospital.

The system facilitates patient's admission, allocation of ward and bed. It provides comprehensive data pertaining to admission of patients, ward and nursing management, allocation of beds, collection of advance, service entries of tests performed on the patient till the patient is discharged from the system.

It also tracks the movement of the patient when the patient is admitted in a ward, room, or ICU till the patient is discharged from the hospital.

FEATURES

Bill Settlement: This feature automates the patient's bills calculation based on the advance credit, auto calculating bed charges and service order entries, auto calculation of final bill generation and settlement due before the patient is discharged from the system.

Admission blocking feature: This feature is meant for auto blocking of admission in a particular department and unit if that particular department-unit has occupied emergency beds for more than 48 hours. System will not allow further admission in that department and unit till the patient on the emergency bed are transferred in their own departmental-unit ward beds.

Real time bed occupancy: ADT module is uniformly implemented in all the Centres and Blocks which helps in maintaining real time bed occupancy list.

Auto Discharge: The software also has features to allow auto discharge of short admissions patients from the system.

Online ADT Statistics For Period 2024-2025

Admissions	Transfers	Discharges
346267	104154	346195

E-Hospital Billing

The billing module handles all types of billing workflows. This module facilitates cashier and billing operators for managing billing functions related to bill receipts and refunds.

Patient can pay via cash or digital mode of payments. The system has been integrated with varied spectrum of digital modes of payments such as Debit Card, Credit Card, UPI, Smart Cash Card etc. in-line with the Digital India Mission of the honourable Prime Minister, thus, revolutionizing the way patients and visitors manage their financial transactions. Patients are being facilitated to make payments at Single Window Payment/Refund System across the AIIMS.

Online Stats For Period 2024-2025

Mode of Payment	No. of transactions
Credit Card	2162
Debit Card	21992
POS/UPI	50615

Smart Cash Card

Continued management of Smart Cash Card collaboration with the State Bank of India across the Institute for hospital and non-hospital payment. The implementation of Smart Cash Card at AIIMS, New Delhi, is a milestone to fulfill the commitment to providing technology-oriented healthcare/financial services. The Smart Cash Card does not require the user to have a bank account or a smart phone. Thus, is caters to the most marginalized section of society who visit AIIMS in masses. This innovative approach not only simplifies financial transactions but also contributes to a more streamlines and patient-centric healthcare ecosystem.

E-Hospital Laboratory Information System

The Lab module automates the manual procedures in the laboratories such as Ordering of tests and procedures on patient specimens, collection and accessioning of specimens into the LIS database, processing and analysis in appropriate department or work area, review and verification of results, reporting of results and/or diagnoses in clinical treatments.

A new version of e-Hospital Lab module is launched by the use of new technologies to make the process fast and also keeping in view the security aspects. All labs are going for NABL accreditation and accordingly, e-Hospital updates are in progress. The mechanism to link lab report with ABHA address has been completed in e-Hospital. Daily More than 2000 lab reports are linking with ABHA address and are available publically at ABDM dashboard. A feature to upload the PDF report in e-Hospital is available against the requisition done by the user.

Computer Facility has integrated over 58 labs across AIIMS.

Radiology Information System (Ris)

RIS, PACS, and Hospital Information Systems (HIS) are all critical components of modern healthcare infrastructure and Health IT, each serving a unique role. RIS systems specialize in the operational management of radiology departments, encompassing everything from patient scheduling to billing and report generation. In contrast, PACS is primarily concerned with the storage, retrieval and distribution of medical images, serving as a digital archive that replaces the need for physical film storage. HIS, on the other hand, is an overarching system that manages all the administrative and clinical information across the hospital integrating various departments and functions. While each system has its distinct functionalities, they often work in tandem to ensure a smooth, efficient and integrated healthcare experience.

Various investigations appointment scheduled via e-Hospital are listed under:

- Plain X-ray
- CT Scan
- MRI Scans
- Ultrasonography
- PET Scans
- Ophthalmic Radiology
- Mammography
- Angiography
- Dental X-rays

Appointment of radiological investigations is done through HIS e-Hospital system. Appointments are sent to RIS for scheduling using HL7 messages and RIS reports are sent back to HIS system using HL7 data transfer mechanism. The integration allows patients to access radiology investigation reports as and when required to be downloaded from Patient Portal.

Inventory Management System

Inventory Management Module allows systematic workflow based process to manage Hospital Inventory. It oversees and controls the inventory or supplies, availability, tracking, and utilization of medical supplies, equipment's, and consumables. The primary goal of inventory management is to ensure that the items are available in the right quantities, at the right time, in the right locations within the hospital.

Features

Monitoring And Tracking: System has features to accurately monitor and record inventory levels including item details, unit price, quantities, locations, batch numbers and expiration date.

Demand Forecasting: Historical data, patient trends, and other factors can anticipate future demand for supplies to ensure maintenance of appropriate stock levels.

Inventory Optimization: Inventory data identifies opportunities for improvement. This includes reducing excess stock, eliminating obsolete items, and implementing just-in-time inventory practices.

Indent Management System: Indenting rights are assigned to authorized personnel for Indent generation. The workflow consists of two levels of verification before the items are issued against an Indent. The system allows real time tracking of Indents. Indents have categories such as Routine Indent, JSSK Indent, EHS Indent, PM-JAY Indent, and LP Indent to differentiate the types of Indents.

Vendor Management: The system allows maintaining of list of vendors and their details in the system.

Lot And Expiration Tracking: The system allows tracking of drugs and pharmaceuticals expiry and near expiry items by using different colour coding schemes.

Workflow Efficiency: By providing real time visibility into inventory levels, the system enhances workflow efficiency.

Data Analysis And Reporting: Inventory Management System captures valuable data used for performance evaluation and decision-making. Reporting features enable to generate insights on inventory turnover, usage trends, and analytics. These insights help in data driven and efficient decision making.

Online Inventory Statistics For Period 2024-2025

Main Stores	Sub Stores	Indents Generated	Indents Issued
79	1106	115381	114864

Dietary & Laundry

The Dietary module automates the functions of dietary services provided to the patients in the hospital whereas the Laundry module automates the functions and workflows of laundry services in the hospital.

Blood Bank

The e-Blood Bank application facilitates the implementation of a complete blood bank management system. This module is in use at CNC Blood Bank only.

Patient Portal

All citizens and patients can book or cancel their appointments by visiting the patient portal: https::/ors.gov.in. Patients can also view and download their Lab and Radiology reports generated from the system and integrated with e-Hospital system.

Employees Health Services (Ehs) Application

Employees Health Services (EHS) Software system is an application for AIIMS employees availing EHS services and its associated record keeping such as recording and maintaining employee's health prescriptions generated in the EHS OPD. This system maintains all the employees' records and their dependents details that are eligible for EHS benefits in the EHS OPD.

The system allows registration of EHS patients in the EHS OPD and records the history of medicines prescribed. Medicines are also dispensed online via EHS Pharmacy counters. Medicines which are not available in the EHS pharmacy are sent for Local Purchase. LP Indents are automatically generated twice by the system and submitted in the online mode to the LP vendor. LP Medicines receiving and bills are also managed through the application.

EHS Registration and Prescription data for EHS beneficiaries for FY 2024-25 is listed below:

Centre Name	Online Registrations	Online Prescriptions
Main Hospital	228426	208847
Trauma Centre	15454	14051
NCI Jhajjar	11403	10611

Software Services

Computer Facility has a team of developers who continuously maintains, upgrade and develops various In-house modules. This team is providing software development and maintenance services to all the departments/sections of AIIMS New Delhi. The technologies used are Dot Net technology, Python programming language, and PostgreSql database.

The In-house modules are categorized under In-House Software and Clinical modules.

In-House Software

For administrative and back office automation, various In-house modules are developed, implemented and maintained by the Computer Facility.

In-House software developed in the year 2024-25 are given below

SANTUSTH: empowers users to voice concerns, resolving grievances promptly. It is accessible 24*7. Users can share their feedback seamlessly, thus helping us to enhance their healthcare experience.

Healthy Smile App: Healthy Smile app is a musical companion to your child during brushing. It is a Mobile App available on Google Play Store.

Patient Discharge Summary: Current Status: Live and operational in the Department of Emergency Medicine & CTVS. 100% digital recordkeeping, improving accessibility and long-term data storage. Real-time discharge summary generation improved turnaround time and patient satisfaction. Contributed to improved hospital workflow and staff productivity. 4000+ patients successfully discharged using the software.

HRMS (Human Resource Management System): The HRMS is a web-based solution developed to manage outsourced employees at AIIMS. It offers a centralized platform for onboarding, data management, and improving the efficiency and transparency of HR operations for contractual staff.

TRED (Triage Register for Emergency Department): TRED is a web-based application designed to enhance patient management and Operational efficiency in Emergency Departments. It centralizes patient records, supports triage processes, streamlines workflows, and provides real-time patient tracking and reporting.

Perspective Pain Management: The system is now live and running at IRCH, improving pain management during all stages of surgery.

Blue Baby Vaccination Record: The system is now live in the CTC, improving the management of infant vaccination records.

Department of Physical Medicine and Rehabilitation (PM&R): Managing 100+ patient entries daily with real-time prosthetic and orthotic records updates.

Ticket Management System: It automates ticketing tasks, ensuring faster resolution within one working day. Features like real-time updates, audit trails, and clear assignments improve transparency and accountability.

AIIMS Inter Referral System: A centralized platform enabling seamless patient referrals from AIIMS Bilaspur to AIIMS New Delhi and across the entire AIIMS network pan-India, ensuring coordinated and efficient inter-institutional care.

Vishram Sadan: A system for efficient room allocation to patients and attendants, based on a first-come, first-served basis. Doctors or designated referrers can add patients to the list. This reduces queueing and enhances the overall patient experience through streamlined management.

AIIMS Cycle (Cycle Management System): A streamlined platform for managing cycle requests and issues for employees and students. Users can request or surrender cycles at any cycle point, with approvals handled by designated admins. With a single active request policy and automated workflows, the system ensures efficient, transparent, and responsive cycle management across the AIIMS campus.

Paediatric Diabetes Registry: A dedicated platform for tracking, managing, and analysing data related to children with diabetes. It provides insights into patient demographics, treatment patterns, and outcomes.

Research Directory: A centralized repository showcasing on-going and completed research projects across AIIMS. It offers detailed researcher profiles and advanced search filters to connect users with relevant work and collaborators. The directory enhances research visibility and fosters collaboration within and beyond the AIIMS community.

Various Back-office software(s) which are being maintained across the Institute are listed below:

S. No.	Application Name
1	Online House Allotment
2	Hostel Allotment and Registration system
3	MSSO Rail Concession System
4	Letter of Intent and Award system for Engineering Services Department
5	Online Organ Donation Form
6	Online Transport System
7	Drishti (for Endo and RPC)
8	Cheque printing, RTGS and Reconciliation

Clinical Modules

Clinical modules upgraded in the year 2024-25 are given below

Neuro Bone Bank: This application is use to capture patient's demographic data, bone Details, Container Details, Box details, Shelves Details in units wise where the patient's bone are stored. With this application we will able to check container and box status whether it is vacant or occupied.

MRD System: Medical Record System Application is Designed and developed to maintain Patient Demographic Details, Patients Birth and Death Details, MRD File Movement and all Patients related Records.

EMLC BPS: e-MLC (Burns and Plastic) This Application is use to create patients MLC and Capture demographics Details, Diagnosis, Case History, Capture Patients Images and Generate MIS, MLC Card, MLC Print, Print Police Certificate etc.

Eye Bank: This Application Is used to capture patients Details, Generate Priority List, Maintain Patient Visit History, Schedule Donor and Receivers Priority List, Generate MIS etc.

EM Consultation Dashboard: This application is used to create patient waiting list in Emergency, Send Patient Consultation Reminder to Doctors, Add Doctors available on Duty in Emergency, Send Pending Patients Details to Doctors via SMS, Generate MIS, and Patients Visit Details etc.

Various Clinical module(s) which are being maintained across the Institute are listed below:-

S No.	Application Name
1	PDS MAIN
2	SMS APP
3	e-MLC Main Hospital
4	e-MLC RPC
5	e-MLC (BURNS AND PLASTIC SURGERY)
6	RPC TISSUE UTILIZATION
7	OCULAR PATHOLOGY RPC
8	e-Certificate RPC
9	EBC RPC
10	CNC LAB REGISTER
11	IRCH DAYCARE

12	VITILIGO
13	STUDENT WELLNESS
14	HEART TRANSPLANT WAITING LIST
15	e-BIRTH
16	e-CERTIFICATE AIIMS
17	BONE BANK (ORTHO & NEURO)
18	e-DEATH NOTE
19	ONCO ANAESTHESIA IRCH
20	OT MODULE
21	ADMISSION SLIP
22	ANTICOAGULANT REGISTRATION
23	e-CATHLIST
24	ADMIN FOR CREATING e-MLC USER
25	QAMHA
26	QAM AIIMS
27	ADMISSION SLIP NCI JHAJJAR
28	OT MODULE NCI JHAJJAR
29	e-DEATH NOTE NCI JHAJJAR
30	e-MLC NCI JHAJJAR
31	IRCH DIAGNOSIS

E-Office

The All India Institute of Medical Sciences (AIIMS) has adopted the e-Office platform as part of its ongoing efforts to promote efficiency, transparency, and paperless governance in its administrative functioning. e-Office is a digital workspace solution designed to streamline file management and official workflows in government institutions.

Through the implementation of e-Office, AIIMS has transitioned many of its administrative processes—such as file movement, approvals, note-sheets, and official correspondence—into a secure and centralized digital environment. This has significantly reduced paper usage, improved processing times, and enhanced accountability across departments. Continued management of e-Office and desk support with over 4000 e-Office accounts were created.

To ensure that all staff members are well-equipped to utilize the e-Office platform, AIIMS provides regular training sessions. These training programs are designed to keep staff updated on new features, enhance their understanding of the platform's functionalities, and ensure that the transition to digital workflows is smooth and efficient. Around 30 e-Office training sessions were conducted for different classes of employee of the institute.

The Institute has kept the e-office version upgraded from 07.03.2008 to 07.03.2011

Email ID ("@aiims.gov.in"): All India Institute of Medical Sciences (AIIMS) uses gov.in domain email IDs for official communication. These email IDs are provided to faculty members, administrative staff, and other authorized personnel to ensure secure, authentic, and professional communication within and outside the institution.

Nearly 'Ten Thousand' accounts were created on "@aiims.gov.in" domain for employee of AIIMS.

AIIMS Website (Https://Www.Aiims.Edu)

The official website of AIIMS New Delhi serves as a comprehensive digital platform, offering valuable information about the Institute's diverse range of healthcare services, academic programs, research activities, facilities, and public outreach initiatives. It connects patients, students, researchers, healthcare professionals, and the broader community with AIIMS's extensive resources, ensuring transparency, accessibility, and ease of engagement.

The website is maintained by the Computer Facility, which oversees all web-based services and infrastructure support, including security, uptime, content management, and backend operations. The following key activities were undertaken in 2024-25:

1. **Website Content Management and departmental collaboration:**
    - Regular updating, uploading, and creation of departmental webpages on request from various departments of AIIMS New Delhi.
    - Dissemination of official documents including notices, recruitment advertisements, and tenders etc.
    - Ensured visibility of critical announcements from the AIIMS administration.
    - Information about various events, conferences, workshops and circulars were circulated through content provider emails to all faculty members and staff.
2. **Google Workspace Email Services (@aiims.edu domain):**
    - Successfully managed Google Workspace email services for the @aiims.edu domain
    - More than 4000 email accounts were created and actively maintained for faculty, senior residents, junior residents, MBBS students, and scientists etc.
3. **Event Support:**
    - Ensure timely upload of event-related content, including photos, details etc. to enhance visibility of institutional activities such as AIIMS convocation, Institute Day, conferences, training programs etc.
4. **New Website development:**
    - A new website for AIIMS, New Delhi is currently under development. This new website shall be dynamic, bilingual, mobile first, fully accessible, GIGW compliant, secure website based on open source CMS platforms and its hosting, update, upgrade and maintenance for five years. This new website will be live in 2025.

The website of AIIMS New Delhi continues to be a critical interface between the institution and its stakeholders. Through continuous improvement, technical innovation, and cross-departmental collaboration, we aim to uphold the standards of excellence and service that define AIIMS as a premier medical institution.

Sms Services

Mobile Seva CDAC SMS Gateway services are used by the Institute for providing messages to various stakeholders such as:

- Patient's related SMSes such as Appointment details, Lab reports OTP etc.
- Examinations Section related messages
- Academic Section related messages to the students
- Blood Bank related messages to the blood donors
- Organ Donors details

Computer Education

Computer Facility has been regularly providing computer classes to the Undergraduate and Postgraduate Nursing students. Computer classes includes topics like Introduction to Operating System, Microsoft Office (Word, Excel, PowerPoint and Access), Introduction to HIS and Networking. Both physical and practical classes are carried out throughout the year.

It Infrastructure And Network

- Managed network infrastructure at Main Hospital, New OPD, Burns and Plastic Block, Surgery Block, Mother & Child Block, National Centre for Ageing Block and Private Ward-III at AIIMS, New Delhi.
- Actively support to installation and managing network infrastructure at CapFIMS & Trilokpuri New Delhi.
- Successfully managing network management after handing over at CDER extension, National Center for Ageing Block, New OPD, Burns and Plastic Block, Surgery Block, Mother & Child Block, National Centre for Ageing Block and Private Ward-III at AIIMS, New Delhi.
- Continued management of the wireless networking zones at around 18 hostel locations, creating Wi-Fi zones for internet, information and online journal access to students and resident doctors. Approximately 710 IDs were created for hostel users.
- Approximately 30 Fiber Cable new uplinks & 100 Wi-Fi Access Points installed at around 18 hostels.
- Approximately 250 new intranet/LAN connections were provided to faculty member, officers and staff of AIIMS.
- Installation and technical support to BB Dixit Library for management of Wi-Fi services at BBDL.

- Facility management for call maintenance of user's complaints and resolution available 24x7x365 days through help-desk of Computer Facility. Approximately 40,000 calls were handled during the year.
- VPN-based access mechanism for e-Hospital Module and other in-house application servers from outside AIIMS for connecting others centres of AIIMS.
- Continued management of secure tunnel for connecting NDDTC GZB, JPNATC and CRHSP Ballabgarh.
- The security measures like network segmentation, ACL, Port-security have been implemented across the managed network.
- Provided high speed NKN internet connectivity for various Seminars/ Conferences/ Video conference
- Continued management of the wireless networking zones at around 18 hostel locations, creating Wi-Fi zones for internet, information and online journals access to students and resident doctors.
- Centralized and secured Wi-Fi services also provided to BBDL users. Approximately 1000 IDs created for hostel and B.B. Dixit Library users.
- Technical support to for management of Wi-Fi services at BBDL.
- VPN based access mechanism for e-Hospital Module and other in-house applications for off campus centers of AIIMS.
- Continued management of secure tunnel for connecting NCI, NDDTC GZB, JPNATC and CRHSP Ballabgarh.
- Secure integration and operational readiness of the newly commissioned Central Armed Police Forces Institute of Medical Sciences (CAPFIMS), Maidan garhi, New Delhi—under the aegis of AIIMS through IPSEC tunnel.
- CAPFIMS has been on-boarded onto the NIC-hosted e-Hospital platform.
- Training and orientation sessions were conducted for CAPFIMS personnel to ensure smooth transition and optimal utilization of e-Hospital modules.
- Firewall devices were upgraded for security of AIIMS network.
- Continued management of firewall at AIIMS and its centers.
- End Point Detection and Response (EDR) installed across the campus.
- Network and Security Operation Centers were established for monitoring of network by 24x7.
- Continuous monitoring of cyber threats alerts and mitigation is being carried out.
- Security measures are being implemented for servers and endpoints.
- Conducted a series of Cyber Security Awareness Lectures for all employees of AIIMS.
- Co-coordinating with government cyber security agencies for effective monitoring and compliance of advisories.

Application Technical Support

Since 1 January 2025, the dedicated application technical support team has been actively providing comprehensive support services for both the e-Hospital and various in-house applications used at AIIMS New Delhi. The primary objective of the team is to ensure seamless functioning of critical hospital systems and enhance the digital experience for all end users across departments. The technical support executives are posted in all the centres of AIIMS, New Delhi for require technical support at end user level.

The support spans across core hospital domains, including Outpatient Department (OPD), Inpatient Department (IPD), Emergency Services, Stores, Blood Bank, Clinical Modules, and the Grievance Redressal Portal. The team ensures prompt resolution of technical issues, user queries, and work flow bottlenecks to maintain uninterrupted healthcare delivery. Additionally, the support staff closely coordinates with the software development and networking teams to escalate and address back-end or system-level issues efficiently.

An essential aspect of the team's role involves conducting regular training sessions for nurses, administrative staff, and other end users. These sessions are designed to build user capacity and confidence in effectively navigating the software modules, handling patient records, managing inventories, lodging grievances, and using decision-support tools.

Cyber Security

Ensuring Cyber Security measures at AIIMS New Delhi is crucial given the sensitive nature of the medical data and the critical infrastructure the institution operates. Here are some of the measures taken to ensure the confidentiality, integrity, and availability of its systems and data:-

- Firewall devices were upgraded for security of the AIIMS network.
- Continued management of firewall at AIIMS and its centers.

- Continued management of End Point Detection and Response (EDR) across the campus.
- Continued management of Network and Security Operation Centers for monitoring of networks by 24x7.
- Continuous monitoring of cuber threats alerts and mitigation is being carried out.
- Security measures are being implemented for servers and endpoints.
- Conducted Cyber Security Awareness Lecture for the employees of the Institute.

Aadhaar Enabled Biometric Attendance System

The NIC's Aadhaar enabled Biometric Attendance System (AEBAS) is an innovative solution aimed at enhancing efficiency and accountability in attendance management by leveraging Aadhaar biometric authentication. By implementing AEBAS at AIIMS New Delhi and CAPFIMS, the institution can streamline attendance tracking processes, improve accuracy, and ensure transparency.

Enrolment Process: Employees were enrolled in the AEBAS by linking their Aadhaar numbers with their biometric data. This involves capturing biometric information and validating it against the Aadhaar database to ensure accuracy. Employees registered in the AEBAS system are 8141.

11.6. Electron Microscope Facility

Department of Anatomy

Professor
TC Nag

Additional Professor
Subhash C Yadav

Associate Professor
Prabhakar Singh

Chief Technical Officer
Sandeep Arya

Senior Technical Officer
Chanda Panwar

HIGHLIGHTS

Electron microscope facility organized the 3rd National workshop on Electron Tomography of Biological Specimens" from April 22 to 26, 2024.

Dr. Subhash C Yadav was Elected as a Fellow by the Electron Microscopy Society of India.

EDUCATION

(i) EM classes (theory and practical) for M. Biotech 1st year students were conducted on 17.8.2024 to 11.9.2024.

(ii) EM classes (theory and practical) for Anatomy postgraduates were conducted from 16.9.2024 to 22.9.2024.

CME/Workshops/symposium/National and International Conferences

1. 3rd National workshop on Electron Tomography of Biological Specimens", April 22 to 26, 2024, 14 Participants.
2. Summer training program in electron microscopy, May 15 to June 14, 2024, 9 participants.
3. The 40th National Training Program in Electron Microscopy for Scientific Investigators, November 18 to 30, 2024, 17 Participants.

Visit to EM Facility

1. Forty students from Vasant Valley School, Vasant Kunj, visited EM facility [April 18, 2024].
2. Twenty students from Institute of Home Economics (DU), Dept of Biochemistry [May 6, 2024].
3. Dr D Kabiraj and Dr SA Khan from Inter-University Accelerator Centre, New Delhi [August 9, 2024].
4. Faculty members from Indira Gandhi Institute of Medical Sciences, Patna [August 22, 2024].
5. Sixteen PhD students from LV Prasad Eye Institute, Hyderabad [September 29, 2024].
6. Eighteen students and two faculty members from Starex University, Gurugram [October 14, 2024].
7. Students (37) and faculty (3) from Department of Zoology, Hindu College, DU [October 21, 2024].
8. Students (18) and two faculty members from Starex University, Gurugram [November 16, 2024].
9. Participants in 54th IPS-CON (AIIMS, New Delhi) visited EM lab on November 26, 2024.
10. Students (15) and four faculty members from the Department of Chemistry, Grace Valley College of Arts and Science, Maravattam, Kerala visited EM lab on January 29, 2025.

Departmental projects

Ongoing

1. An experimental study to understand the mechanisms of choroidal capillary death in aging eye with emphasis on involvement of macrophages and other immunocompetent cells.

2. Effect of continuous light exposure on the expression of NMDA receptors in rat retina.
3. Study of age-related changes in axonal cytoskeleton of the rat optic nerve.
4. To study the morphological changes in endothelin-1 induced capsular infarct model in rat brain.
5. Identification of HPV-16 induced cervical cancer cells from cytology samples.
6. The effect of binge alcohol consumption on myelination in the grey matter of the prefrontal cortex of adolescent rats

Completed

1. An investigation into the status of expression of sensors of unfolded protein response in rat retina due to iron accumulation.
2. To study the morphological changes in endothelin-1 induced capsular infarct model in rat brain.

Special laboratory facilities

During the last three years, the following laboratory facilities were provided for research and patient care:

Facility	2022-2023	2023-2024	2024-2025
TEM (User number)	549	886	924
TEM (Sample number)	3770	3737	3462
SEM (User number)	162	160	183
SEM (Sample number)	773	859	755

Publications

Journals: 15 **Abstracts: 02** **Chapters in Book: 02**

Publications for last 3 years

Item	2022-2023	2023-2024	2024-2025
Total	**15**	**20**	**19**
Journal articles	11	19	15
Abstracts	4	1	2
Chapters in books	0	0	2
Books	0	0	0

11.7 Hostel

Superintendent of Hostels

Sanjay Kumar Rai (CCM)

Deputy Superintendents of Hostel

Tanuj Dada (Ophthalmology)
Rakesh Kumar (E.N.T.)
Vijay Sharma (Orthopedic (Trauma Centre)
Bhupinder Kaur
(Chief Nursing Officer (Office)

Raj Kumar Yadav (Physiology)
K.H. Reeta (Pharmacology)
Harshal Ramesh Salve (C.C.M.)
Cecilia M. S. (College of Nursing)
(Retired on 30/04/2024)

Sr. Administrative Officer (Hostels)

Uttam Chand

Accounts Officer (Hostels)

Amit Kumar

Store Officer (Hostels)

Yatender Meena

Senior Warden (Hostels)

Mohan Kumar Sharma

Subordinate Staff

11 Hostel Wardens (Sr. Wardens, Wardens, Dy. Wardens, Asstt. Wardens & Jr. Wardens), 7 Ministerial staff (02 store keeper, 01 J.A.O., 04 S.A.A.), 13 Contractual staff (01 Prog. Asstt. & 12 D.E.O.), and subordinate staff including 14 male Office Attendants (7 male office attendants & 7 MTS outsourced) and 22 female Office Attendants (2 female office attendants, 2 Hospital attendants, 1 Animal House attendant, 7 Sanitary attendant & 10 MTS outsourced) are posted in different Hostels under Hostel Section. The AIIMS has several halls of residents with a capacity of over 2027 (approximate) single/double/triple rooms, 262 married accommodations, 434 accommodations for nursing students/staff nurses and 24 guest rooms. These are spread over different hostels and residence in the AIIMS Main Campus, Masjid Moth, JPNATC Hostel (Raj Nagar).

List of existing total hostels & total strength (Total Hostel Strength = 2723)

Undergraduate Gents Hostels:

S. No.	List of Hostels	Type		Total Strength
		Single	Double/Three seater	
1.	Hostel No 1 (Charak Hostel)	67	---	67
2.	Hostel No 2 (Jivak Hostel)	57	---	57
3.	Hostel No 3 (Sushruta Hostel)	77	---	77
4.	Hostel No 4 (Madhava Hostel)	63	---	63
5.	Hostel No 5 (Nagarjuna Hostel)	59	---	59

S. No.	List of Hostels	Type		Total Strength
		Single	Double/Three seater	
6.	Hostel No 6 (Vagbhatta Hostel)	77	---	77
7.	Hostel No 7 (Ashwini Hostel)	---	107 × 2 = 214 (MBBS)	214
8.	Hostel No 18 (Kashyap Hostel)	---	13 × 3 = 39 & 2 × 1 = 2 (BSc)	41
Total		**400**	**255**	**655**

Undergraduate Ladies Hostels:

S. No.	List of Hostels	Type		Total Strength
		Single	Double/Three/Four/Five/ Six seater	
1.	Hostel No 09 (Parvati Hostel)	6 (MBBS)	6 × 2 = 12 (B.Sc.)	18
2.	Hostel No 10 (Saraswati Hostel)	108 (MBBS)	4 × 1 = 4 (B.Sc.)	112
3.	Hostel No 11 (C-II Flats 10 to 14) (Akshara Hostel)	---	5 × 2 = 10 15 × 3 = 45 (M.B.B.S.)	55
4.	Hostel No 11 (Old) (Akshara Hostel)	---	17 × 2 = 34 3 × 1 = 3 (M.B.B.S.)	37
5.	Hostel No 13 (Laxmi)	32 (MBBS)	2 × 2 = 4 3 × 1 = 3 (B.Sc.)	39
Total		**146**	**115**	**261**

Postgraduate Gents Hostels:

S. No.	List of Hostels	Type		Total Strength
		Single	Double/Three Seater	
1.	Hostel No 8 (Bharadwaj Hostel)	108	-	108
2.	Hostel No 12 (Dhanwantri Hostel)	72	-	72
3.	Hostel No 14 (Atreya Hostel)	46	-	46
4.	Hostel No 16 (Agnivesa Hostel)	10	-	10
5.	Hostel No 18 (Kashyap Hostel)	283	9 × 2 = 18	301
6.	Hostel No JPNATC	58	-	58
Total		**577**	**18**	**595**

Postgraduate Ladies Hostels:

S. No.	List of Hostels	Type		Total Strength
		Single	Double/Three/Four/Five/Six seater	
1.	Hostel No 09 (Parvati Hostel)	62	13 × 2 = 26	88
2.	Hostel No 11 (Old) (Akshara Hostel)	10	---	10
3.	Hostel No 14 (Atreya Hostel)	98	---	98
4.	Hostel No 19 (Patanjali Hostel)	292	14×2 = 28	320
Total		**462**	**54**	**516**

Postgraduate and Undergraduate Girls Nursing Students Hostel:

S. No.	List of Hostels	Type		Total Strength
		Single	Double/Three/Four seater	
1.	Hostel No 15 (Medha Hostel)	160 (Student)	106 × 2 = 212 14 × 3 = 42 4 × 4 = 16	430
		04 (Nursing Officer)	---	04
Total		**164**	**270**	**434**

Married Postgraduate Hostels:

S. No.	List of Hostels	Married	Total Strength
1.	Hostel No 14 (Atreya Hostel)	42	42
2.	Hostel No 16 (Agnivesa Hostel)	160	160
3.	Hostel No 17 (Ambuja Hostel)	54	54
4.	Hostel No JPNATC	06	06
Total		**262**	**262**

1. Shops & Establishments

Various Mess/Cafes & Shops are provided in hostels located at Ansari Nagar, Trauma Centre & Masjid Moth, details of which are mentioned below:-

A. Shops:-

i. No. of General store =5 nos (One each in Gents hostel, Ladies hostel, Hostel No. 14,15 & 16)

ii. No. of Barber shop =2 nos (One each in Gents hostel and Hostel No. 14)

iii. No. of Tailor shop = 3 nos (One each in Gents hostel, Ladies Hostel & Hostel No. 14)

iv. No. of Juice shop = 1 nos (In Gents hostel)

v. No. of Dhobi shop = 4 nos (One each in Gents hostel, Ladies Hostel, Hostel No. 14 & 18)

vi. No. of Computer typing shop = 2 nos (One each in Gents hostel and Hostel No. 14)

vii. No. of Book shop = 1 nos (In Gents hostel)

viii. No. of Photostat shop = 3 nos (One each in Gents hostel, Ladies Hostel & Hostel No. 14)

ix. No. of Mobile courier shop = 1 nos (In Gents hostel)

x. No. of Coffee shops = 1 nos (In Gents hostel)

xi. No. of A/C Coffee Shop 24x7 = 1 nos (In Gents Hostel)

xii. No. of Beauty Parlour shops = 1 nos (In Ladies hostel)

B. Mess/Café

i. Number of Cooperative mess run by Student bodies = 15 nos (Hostel No. 1 FF, Hostel No. 2 FF, Hostel No. 4 GF & FF, Hostel No. 5 GF, Hostel No. 7 GF & SF, Hostel No. 8 GF & FF, Hostel No. 9 GF, Hostel No. 10 FF Hostel No. 12 (RPC-I) GF, Hostel No. 14 GF, Hostel No. 15 GF and JPNATC GF)

2. Student's Wellness Centre

1. Main Campus

a. Student wellness Centre services are available at room no. 11, (Opposite Hostel No. 7 Ashwini Hostel), Gents Hostel, AIIMS.

b. Common Room 1st Floor, Hostel No. 9 Parvati Hostel, ladies hostels, AIIMS.

2. Masjid Moth Campus

Common Room (2/II), Second Floor, Hostel No. 19 (Patanjali Hostel) Masjid Moth.

3. Trauma Center Campus – in the Trauma Center

Significant Events

1. Civil Work

Renovation

1. Renovation work has been done in the cooperative mess of the first floor of Hostel No. 2 and Hostel No. 4 GF.
2. Hostel No. 5-Renovation work has been done in Music Room.
3. Hostel No. 5-Renovation work is going on in café.
4. Renovation work has been done in approx. 83 rooms in hostel no 1 to 6 and approx. 51 rooms in Hostel No. 7.
5. Hostel No. 7-Renovation work is going on in 50 rooms.
6. Hostel no. 9- Cabin was made near the main gate and coffee machine and fruit/general food items vending machine was installed. Sofas, fans, flower pots and lights were provided for the convenience of the occupants.
7. Provision of table, chair, almirah and small home theatre speaker was made in the recreation room of hostel number 10 and the welfare centre of hostel no. 9.
8. Hostel no.10-Beauty parlor shop was renovated and allotted.
9. Hostel no. 13- Renovation work was done in the common room and guest room. Room no. 117 was converted into a double seater and allotted. TT table was provided in recreation room no. 1.
10. Hostel no. 11 (old Akshara Hostel)-10 rooms on the first floor are temporarily allotted to PG girl students.
11. Work of constructing fire exit stairs for emergency situations has been done in Hostel no. 12 and hostel no. 13.
12. Hostel no. 12- an almirah was made in the guest room and the door of the guest room & gate behind the mess were also replaced and renovation work in the toilets is going on.
13. Hostel no. 14- new almirah provided in single room no. 702 & 703 and repair work has been done in room no. 620 and changing room of security dept. and fire safety dept. and renovation work has been done in all the shafts of the hostel.
14. hostel no. 15- renovation work done in SNA office, room no. 105, 106, 108, 109, 314, 316, 603, 604, 605, 611 & 616 of N-side, mess hall, replacement of 32 windows, whitewash in 150 rooms, repair and whitewash of outer area and replacement of fencing of back wall.
15. Speed breakers have been made in front of hostel no. 14 & 15.

16. Hostel no. 16- plaster work and whitewash done, installation of grill all around the hostel, renovation of lavatory on the ground floor and making water troughs for the sanitation staff.
17. Hostel no. 17- Problem of water logging in the basement has been resolved. Work of installing iron nets on all the drains of the basement and making name boards of hostel no. 16, 17 and guest room has been done.
18. Hostel no. 18- Making of reading room and soundproof music room is done. Grills have been installed in the stairs on the first floor of the hostel and balcony doors have been replaced on the seventh floor.
19. Hostel no. 19-Girls changing room made, new water tank on roof installed, 3 steel racks provided, 170 rooms have been whitewashed, iron mesh has been installed on both sides of the first floor and steel gate has been installed behind the hostel for entry and exit to the hostels of Masji Moth from the side of NCA, Surgical Block, etc.
20. JPNATC hostel- new steel doors have been installed in the balconies of all three floors, old pipelines of all toilets have been replaced and renovation work has been done in the badminton court.

3. Electrical work

1. Hostel no. 14- New lights have been installed from the first floor to the seventh floor where the lights were not working.
2. Hostel no. 19-Electrical renovation work has been done in five rooms.
3. JPNATC Hostel-Work of replacing corridor lights is going on.

4. Air Conditioning

1. Hostel no. 15-Work of installing a new RO plant has been done.
2. Hostel no. 18- work of installing AC in the reading room and music room and water cooler on the roof has been done.
3. Hostel no. 19-Work of installing 2 ACs' in 3/2 general rooms has been done.

5. Works done by hostel store

1. 5 computers in hostel no. 7, 14 & Trauma center.
2. 15 revolving chairs in hostel no. 7,9,10,18 & trauma center.
3. 2 Photocopy machines and 50 cash receipt books in hostel no. 7 (main office).
4. 50 visitor chairs in hostel no. 1,2,15 & 19.
5. 65 single beds in hostel no. 9,10 & 18.
6. 2 blankets in Hostel no. 9 & 10.
7. 25 beds in hostel no. 17.
8. 9 oil heaters in hostel no. 7,9,10,14 & 19.
9. 1 home theater in hostel no. 9 &10.
10. 2 kettles in hostel no. 7 & 18.
11. 1 conference table in ASA office of hostel no. 1.
12. 3 trolley for hostel no. 7,10 & 14.
13. Photocopy machine was repaired in hostel no. 14.
14. 20 reading tables and 40 library chairs in hostel no. 18 & 19. All the above mentioned items were provided by the hostel store.

7. Works to be done in future

1. Hostel no. 1 to 6-Renovation work of about 95 rooms is to be done.
2. Hostel no. 7-Renovation work to be done in 55 rooms.
3. Hostel no. 1-Renovation work to be done in page turner library.

4. Hostel no. 2-Renovation work to be done in laundry shop.
5. CCTV cameras are to be installed on all floors of hostel no. 1 to 5 and 8.
6. In hostel no. 14, the windows of the fire exit stairs to be replaced and new doors to be installed on the roof from the 1st floor and 4th floor to7th floor and renovation of married rooms 232 & 717, repair work is to be done in married room 523 due to seepage problem and repair work of the outer walls of the mess is to be done.
7. Hostel no. 15-Whitewash of corridor, renovation of 22 rooms on N side, control room and covering of 6 roofs is to be done.
8. Hostel no. 16-Whitewash to be done, renovation work to be done in reading room and provision of WiFi is to be made.
9. Hostel no. 19- plaster and whitewash of the outer area of hostel, installation of grills on the stairs and windows on both sides from the 2nd floor to 10th floor, replacement of emergency doors of the roof and ground floor and installation of cameras in those areas of hostel which are not covered by camera.
10. Tender process for book shop, computer typing shop, photocopy shop, tailor shop, mobile shop and laundry shop is to be done by the hostel store.

11.8 Office of the Ethics Committee

Date: 03.07.2025

This is with reference to the submission of annual report for the year 2024-25 the total number of Project proposal and Thesis Protocol submitted and discussed in the Ethics committee for above mentioned academic year are mentioned below:-

Meetings:

- **The number of meetings of Institute Ethics Committee was as follows:**
  - Institute Ethics Committee: **13**
  - Institute Ethics Committee for post graduate

Research for Basic & Clinical Science: **12**

- **The number of project reviewed by the institute ethics committee was as follows:**
  - New Project Proposal: **1050**
  - Review Project: **511**
  - Old Projects: **444**
- **The number of project reviewed by the Institute Ethics Committee for post graduate Research for Basic & Clinical Science was as follows:**
  - New Thesis: **914**
  - Review Thesis: **336**
  - Old Thesis: **159**

In addition, the Institute Ethics Committee continues to receive notifications of serious adverse reactions, serious adverse events, annually progress report and completion report etc.

The Institute Ethics Committee's Standard Operating Procedures (SOP's) were modified as per the need and available on the AIIMS website.

SIGNIFICANT EVENTS

The Institute Ethics Committee and Institute Ethics Committee for Post Graduate research for Basic & Clinical Science were registered with DCGI and FWA

Dr Rohit Saxena
Member Secretary
Institute Ethics Committee

Dr Sanjeev Sinha
Member Secretary
Institute Ethics Committee for Post Graduate Research

11.9 KL Wig Centre for Medical Education, Technology and Innovation (CMETi)

Professor and Chief, CMETi

Kalpana Luthra

Professor In-charge

(For Faculty Development of Basic Sciences)

A. Shariff

Professor In-charge

(For Faculty Development & Medical Sciences)

Rakesh Lodha

Professor In-charge

(For skill & Simulation-based learning)

Rashmi Ramachandran

Head, Set Facility

Ambuj Roy

Members

Rakesh Garg Tushar Aggarwal

Anu Sachdeva

Member and Faculty Co-Ordinator

Clinical Sciences

Mohit Joshi

Member & Faculty Co-ordinator

Basic Sciences Immunogenetics

Uma Kanga

Administrative officer

Devi Prasad

HIGHLIGHTS

The activities of the **Centre for Medical Education Technology & Innovation (CMETi)** can be broadly classified into two main categories:

1. Training Programs

CMETi has played an instrumental role in enhancing academic and professional development within AIIMS by organizing a variety of training initiatives. These programs have been designed for:

- **Faculty Members**
- **Senior Residents/Junior Residents**
- **UG Students**

To date, CMETi has successfully conducted **19 workshops** in collaboration with various AIIMS faculty members. Additionally, CMETi provides its **dedicated halls and infrastructure** for other departments to host **workshops, conferences, and Continuing Medical Education (CME)** programs.

2. Media Support Services

Media support at CMETi is **client-driven**, tailored to meet the diverse needs of faculty, residents, and students. Although no predefined targets are established, CMETi consistently surpasses expectations through timely and high-quality service delivery. Operations are managed in a **hybrid working model** for maximum flexibility and efficiency.

Media Support Highlights:

- **Video Recording & Editing Requests**: 323
- **Photography & Scanning Requests**: 345
- **Graphics Design & Printing Tasks**: Over 2000 requests, including:
  - Large-format poster designs
  - e-Posters
  - On-screen presentations

Facilities Extended:

- CMET extended logistic support to various departments of AIIMS to organizeworkshops/CME apart from its own programme. In this financial year CMET facility was booked for 146 days.
- CMET provided venue, technical support including audio-visual and computer facilities to the other departments for conducting these Workshops, Conferences & departmental activity**.**

Major Highlights

69th Institute Day Celebration: 25 September 2024

The theme of the exhibition was: **Innovation in Healthcare & Medical Education"**, the content for 106+ physical posters of 36x60 inches were provided by various departments. These posters are later designed and printed by CMETi graphics team, and six video stations were placed on display. The exhibition was inaugurated by Mr.Prataprao Ganpatrao Jadhav, Minister of State for Health and Family Welfare, in the presence of the Director AIIMS, Professor M Srinivas.







77th Independence Day Celebration at AIIMS: Photography & Videography of the event from the central quadrangle of AIIMS was arranged by CMETi Team using a multi-camera setup & other various programmes of National Importance.





4th AIIMS Research Day: On the 4th AIIMS Research Day on 30th January 2025, an exhibition was organized by the Research Section in collaboration with CMETi, in which 550+ posters were displayed along with 18 live demonstrations of innovations made by faculty and scientist of AIIMS. CMETi graphics team designed the template for the poster and assisted SRs, JRs, Ph.D., MBBS, MSc and Nursing Students get them edited and printed well in advance and managed the exhibition including display. CMETi Audio video team also arranged a day-long live telecast of proceedings of scientific presentation by the SRs, JRs, Ph.D., MBBS, MSc and Nursing Students and eminent guest scientists.





RPC Foundation Day: An exhibition of posters was organized during 8-10 March 2025. CMETi designed and printed 38 posters highlighting the research and other achievements of RP Centre.

49th Convocation of AIIMS: CMET photography team took around 3200+ high resolution photographs of the Annual Convocation of AIIMS, held at Bharat Mandapam on 21 March 2025. All the photographs were uploaded on AIIMS website www.aiims.edu, and made available to the students free of cost

1. First Aid in Common Emergencies **(For undergraduate students)**, Full Day, 6 August 2024, 40, Dr. Rakesh Garg
2. Basic Course in Medical Education **(For Faculty)**, Three Full Days, 29-31 August 2024, 25, Dr. Mohit Joshi
3. Curriculum design and framing of objectives **(For SRs)**, Half Day, 5 October 2024, 43, Dr. Mohit Joshi, Dr. Nasreen
4. Microteaching Workshop **(For SRs),** Half Day, 19 October 2024, 22, Dr. Akshay, Dr. Tony
5. How to frame MCQs **(For SRs)**, Half Day, 26 October 2024, 27, Dr Kalpana Luthra, Dr. Ritu Sehgal
6. Microteaching Workshop **(For SRs),** Half Day, 09 November 2024, 15, Dr. Tony, Dr. Asmita Patil
7. Assessment in Medical Education **(For Faculty, Scientists and SRs)**, Full Day, 21 November 2024, 27, Dr. Anu Sachdeva
8. Assessment of Practical/Clinical skills: OSPE & OSCE(**For SRs)**, Half Day, 14 December 2024, 38, Dr. Simran Kaur, Dr. Mohit Joshi

EDUCATION

List of workshops organized by CMETI or Faculty, Residents & Staff of AIIMS



Workshop Title: Curriculum Design & Framing of Objectives for SRs



Workshop Title : Basic Course in Medical Health & Professions Education for SRs



Workshop Title : Basic Course in Medical Health & Professions Education for Faculty

Workshops for MSc Students collaboration with College of Nursing

01. Information Retrieval in Health sciences, 11 October 2024, Dr. Rakesh Garg
02. Tool for scientific writing in health science, 18 October 2024, Dr. Tony
03. Designing pamphlet & poster, 25 October 2024, Dr. Abhishek Nagarjappa
04. Animation in Power Point, 01 November 2024, Dr. Rishi Nayyar
05. Creativity, 08 November 2024, Dr. Abhishek Nagarjappa
06. Information retrieval in Health Science, 22 November 2024, Dr Vivek Gupta
07. Tool for Scientific writing in Health Science, 29 November 2024, Dr. Suman Das
08. Media in Education, 06 December 2024, Dr Karthikeyan

ORBO Training Program Collaboration with CMETi

01. 21 January 2025, Residents Doctors, Full Day
02. 21 February 2025, Nursing Officers, Half Day
03. 18 March 2025, Resident Doctors, Full Day

16 Public Lectures: photography & Videography of the following public lectures was held at AIIMS.

1.	Surgical Health of Children	09 April 2024
2.	Parkinson's Disease & Some Essential Information	22 April 2024
3.	The Different Colours of Autism – Lets Solve The Riddle	22 April 2024
4.	Heat Related Illness	21 May 2024
5.	High Blood Pressure	24 May 2024
6.	Multiple Sclerosis	03 June 2024
7.	Myths about Cosmetic Surgery & Hair Transplantation	15 July 2024
8.	Hepatitis in India	29 July 2024
9.	Vertigo (Leukoderma)	13 August 2024
10.	Air Pollution & Health Impacts	10 September 2024
11.	Breast Cancer Awareness	30 September 2024
12.	What should you know in Blindness Prevention	09 October 2024
13.	Advance Care Directive & Living Will	15 October 2024
14.	Stroke	28 October 2024
15.	Burns Injuries	08 November 2024
16.	Paediatric Rheumatic Disorders	19 March 2025

Lectures delivered at CMEs, National and International Conferences- Nil

Total number of lectures delivered

Name of the faculty	2022–2023	2023–2024	2024–2025
N.A	N.A	N.A	N.A

List of oral papers/posters presented: N.A

S. No.	Authors	Title of presentation	Name of the conference	Date	City
1.	**N.A**	**N.A**	**N.A**	**N.A**	**N.A**

Media Production: Details of Media Production for the year 2024-2025

Media	2022–23	2023–24	2024–25
Designing/printing of large format Academic Posters (including e-posters)	1646	1523	2000
Requisitions for Video recording and editing	378	352	323
Clinical/Event Photography/Scanning (MRI/CT/X-Ray)	239	366	345
Number of on-screen presentations (no of slides)	68(4600+)	69(6950+)	47(3688+)
A3 Poster prints	764	948	788
A4 Poster prints	281	1562	1155

Total number of oral papers/posters presented: NIL

Research: Nil

Funded projects: Nil

Ongoing: Nil

S.No.	Title of the project	Name of Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start-year End year	Total funds sanctioned (Rs.)

Completed: Nil

S.No.	Title of the project	Name of Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start-year End year	Total funds sanctioned (Rs.)

Departmental projects (including thesis/dissertations): Nil

Patient Care: Nil

Awards, Honours, and significant events: Nil

Visiting Scientists: Nil

11.10. Clinical Epidemiology Unit, AIIMS New Delhi (2024–2025)

Faculty-in-charge – Professor Anand Krishnan, Centre for Community Medicine

The Clinical Epidemiology Unit serves as serve as an inter-departmental facility to build capacity in epidemiology, conduct relevant research. Its vision is to "Build Epidemiological Capacity of AIIMS Staff to Generate Evidence for Strengthening Patient Care at AIIMS". It undertakes multiple activities, including Workshops, Guest Lectures, and Open Houses.

1. Workshop on Cohort Studies: Design, Methods, and Analysis

The Clinical Epidemiology Unit conducted a full-day workshop series on "Cohort Studies: Design, Methods and Analysis" from 5 March 2024 to 2 April 2024, held on all Tuesdays at CMET Education Hall. The workshop received 29 registrations with 20 faculty members attending the sessions.

The resource faculty for the workshop were Dr Anand Krishnan, Dr Sumit Malhotra, Dr Deepti Vibha, Dr Harshal Ramesh Salve and Dr M Kalaivani. The series included expert guest lectures by extramural faculty covering key methodological and applied aspects of cohort studies, as below:

a. Exposure measurement: single/repeated/environmental (Dr. Kameshwar Prasad)

b. Survival Analysis (Dr RM Pandey, ICMR)

c. Introduction to Garbh-Ini Cohort (Dr Shinjini Bhatnagar, THSTI)

d. Introduction to CARRS Cohort (Dr D Prabhakaran, CCDC)

e. Introduction to Biobanking (Dr Pallavi Kshetrapal, THSTI)

f. Data analytical challenges in cohort studies (Dr Siddhartha Mandal, CCDC)

2. Workshop on Case-Control Studies: Design, Methods, and Analysis

The Clinical Epidemiology Unit conducted a half-day workshop series on "Case-Control Studies: Design, Methods and Analysis" from 21 January 2025 to 18 February 2025, held on all Tuesdays at CMET Education Hall. The workshop received 53 registrations with 24 faculty members and PhD scholars attending the sessions.

The resource faculty for the workshop were Dr Anand Krishnan, Dr Sumit Malhotra, Dr Deepti Vibha, Dr Partha Haldar and Dr M. Kalaivani. The series included expert guest lectures by extramural faculty covering key methodological and applied aspects of case-control studies as below:

a. Mendelian Randomization (Dr Gagandeep K Walia)

3. Open House: How to frame a research hypothesis?

An Open House on "How to Frame a Research Hypothesis" was conducted by the Clinical Epidemiology Unit on 24 January 2025 (4:00–5:00 pm) at the CMET Technology Hall.

The resource faculty for the session were Dr Deepti Vibha and Dr Sumit Malhotra. It was attended by 63 participants and focused on practical guidance for developing clear and testable research hypotheses.

4. CEU also coordinates Fellowship in Research Methods and Evidence-Based Medicine. During this period, three fellows were enrolled in the fellowship.

5. CEU also hosts the Census Data Workstation of the Delhi Census Office. It was used for analysis of Data Prevalence and Pattern of disability among Tribal population of West Bengal, Maharashtra, Tamil Nadu and Uttar Pradesh: A review of census data 2011.

11.11 Media Cell & Protocol Division

Professor In-Charge
Media Cell
Rima Dada

Professor In-Charge
Protocol Division
Nand Kumar

Digital Public Health Awareness Initiatives – AIIMS, New Delhi

Multi-Platform Health Communication

To enhance public awareness, we leveraged digital platforms including **Twitter (X)** and **Instagram**, using engaging content formats such as:

- **Reels**, **Infographics**, **Lectures**, **Animated Shorts**, **Podcasts**, **Myth vs Fact**, and **Carousels**

Expert-Led Health Topics

In collaboration with **16 AIIMS experts**, we developed content on 21 Key health topics, covering seasonal and chronic conditions:

Health Topic	Expert
Mpox, Dengue	Dr Piyush Ranjan
Flu Shots, Winter & Diwali Dos & Don'ts	Dr Neeraj Nischal
Breast Cancer	Dr Suhani
Rheumatoid Arthritis, Autoimmune Diseases	Dr Uma Kumar
Glaucoma	Dr Tanuj Dada
Osteoarthritis	Dr Vijay Kumar
Vitamin D Deficiency	Dr Ravinder Goswami
Vision Issue, Blindness & Visual Impairment	Dr Praveen Vashist
Blood Donation FAQs	Dr Hem C. Pandey
Liver Diseases (Fatty Liver)	Dr Shalimar
Lifestyle Diseases, Male Infertility	Dr Rima Dada
Tobacco use	Dr Sonali Jhanjhi
Obesity	Dr NK Vikram
Substance Abuse in Women	Dr Piyali Mandal
Autism Spectrum Disorder	Dr Sheffali Gulati
Tuberculosis (World TB Day special)	Professor M Srinivas

Strategic Content Pillars

- Visually engaging formats: reels, carousels, infographics
- AIIMS expert-verified, narrative-driven storytelling
- Real-time content amplification aligned with global and national health observances
- Bilingual communication to reach broader and diverse communities

- Use of mascots, polls, interactive posts, and user-generated content (UGC)
- Focused digital strategies to enhance social media platforms and engage public awareness on seasonal diseases and common health disorders
- **Campaign Highlights**
- **Independence Day –** "Let wellness set you free" campaign with expert wellness tips, polls, and audience engagement
- **Eye Donation Week –** Awareness through testimonial videos and myth-busting infographics
- **Dussehra (#BurnTheHealthEvils) –** Doctors symbolically burn lifestyle evils; followers join the challenge
- **World Heart Day –** Animated explainer videos with Dr.Diljeet on recognizing symptoms of a heart attack
- **Breast Cancer Awareness Month –** Expert-led myth busting, partnership with Department of Surgical Disciplines
- **Obesity Day –** Informative posts on BMI, healthy eating, physical activity, and yoga practices
- **WHO-Affiliated Health Days (Observed at AIIMS)**
- World Health Day
- World AIDS Day
- World No Tobacco Day
- World Mental Health Day
- World Glaucoma Week
- World Autism Awareness Day
- World TB Day

AIIMS Expert Podcasts

- Dr Shefali Gulati – Pediatric Neurology & Autism
- Dr Manjari Tripathy – Epilepsy
- Dr Tanuj Dada – Glaucoma Awareness
- Dr Rajeev Kumar – Urology

Special Community Initiatives

- **Kendriya Vidyalaya Outreach –** Promoting nutrition and balanced diets among school children
- **COVID Warriors Tribute –** Artistic tribute by Marcos Lutyens in collaboration with WHO & Global Scrub Chair
- **Director and Media Interactions –** Spearheaded press outreach and expert visibility, fostering public trust in institutional health messaging. Media briefings and Director-led statements helped amplify AIIMS's role in public health narratives across major platforms.

Press Releases & Institutional Highlights

Over **35 press releases** were issued, showcasing major achievements, initiatives, and innovations by the institution:

1. Srjanam Biomedical Waste Rig launch
2. 49th AIIMS Convocation Ceremony
3. Glaucoma Week insights (Community Eye Health)
4. Prof. Srinivas honored for Good Governance
5. Intra-Mural Transport Launch
6. Obesity Awareness Call-to-Action
7. Srjanam re-launch
8. 69th Institute Day –Innovation in Healthcare
9. Aggressive Leukemia Recovery Success Story
10. Clean Campus Staff Appreciation
11. Faculty & Research Space Expansion

12. Ayurveda Day Celebrations
13. Clarification on Doctor-Attendant Incident
14. CATH Lab Upgrade
15. CWMS Implementation
16. Patient Diet Feedback System
17. Digital Cafeteria Payments
18. ECG Service Streamlining
19. EHS Daycare Launch
20. Facial Recognition for Visitors
21. Faculty Development Support
22. Hostel Faculty Infrastructure
23. Local Purchase Digitalization
24. Luggage Locker Installation
25. Millets Canteen Inauguration
26. Valet Parking Rollout
27. Proactive Disclosure Policy
28. MCH Block Private Ward Opening
29. Imaging Report Access Simplified
30. World Sickle Cell Day with MoTA
31. Seamless Patient Connectivity
32. Women's Self-Defense Training
33. Transport System Overhaul
34. Peace & Mindfulness Concert

Key Milestone

AIIMS Delhi's official X (Twitter) account surpassed **100,000 followers** in 2024, reflecting trust, engagement, and impact.

AIIMS News in Print and Electronic Media

S. No.	Date	Title	Newspaper
1.	1 April 2024	Women suffering from autoimmune disease can become mother: Study	The Pioneer
2.	2 April 2024	12 माह की उम्र में अगर बोलना शुरू नहीं करे बच्चा, तो डॉक्टर को दिखाएं	नवभारत टाइम
3.	5 April 2024	स्वदेशी इंजेक्शन की एक डोज से अनीमिया का इलाज	दैनिक जागरण
4.	8 April 2024	ऑटोइम्यून की बीमारियों से बचाव में सहायक योग	दैनिक जागरण
5.	8 April 2024	महज 30 मिनट के योग से अनुवांशिक रोग की आशंका घटी	अमर उजाला
6.	8 April 2024	खराब जीवनशैली और आहार कर रहे सेहत पर गंभीर प्रहार	नवोदय टाइम्स

S. No.	Date	Title	Newspaper
7.	9 April 2024	बच्चों को जन्मजात शारीरिक विकृतियों से निजात दिला रहा एम्स	नवोदय टाइम्स
8.	9 April 2024	आनुवंशिक रोगों के लिए सिर्फ माँ ही नहीं पिता भी जिम्मेदार: एम्स	नवोदय टाइम्स
9.	10 April 2024	मुक्त मिल रही आयरन की गोली पर 40 % महिलाएं नहीं खाती	अमर उजाला
10.	13 April 2024	AIIMS Launches study to test accuracy of HPV kits for cervical cancer screening	Indian Express
11.	13 April 2024	सर्वाइकल कैंसर की जांच सस्ती करने के लिए एम्स करेगा अध्ययन	नवोदय टाइम्स
12.	13 April 2024	अब मूत्र से हो सकेगी सर्वाइकल कैंसर की जांच	अमर उजाला
13.	14 April 2024	AIIMS emphasises need to improve primary healthcare	The Times of India
14.	14 April 2024	जल्दी ही पीएचसी स्तर पर मिलेगा एम्स की सुविधाएं	अमर उजाला
15.	15 April 2024	दिल की बीमारियों के लिए बनेगा सुपर स्पेशयलिटी ओपीडी ब्लॉक	दैनिक जागरण
16.	18 April 2024	एम्स में बढ़ेगा जांच सुविधाएं नहीं करनी पड़ेगा इंतजार	अमर उजाला
17.	19 April 2024	AIIMS awareness programme on Parkinson's disease held in city	The Statesman
18.	23 April 2024	कीटनाशक का बढ़ता इस्तेमाल बच्चों को बना सकता है मनोरोगी	अमर उजाला
19.	23 April 2024	एम्स में अत्याधुनिक उपकरणों से बीमारियों का पता लगाना होगा आसान	दैनिक जागरण
20.	23 April 2024	अणु की संरचना में खराबी की जांच करेगा एम्स, इलाज होगा आसान	अमर उजाला
21.	23 April 2024	एम्स: १:३० लाख का ३ हज़ार व ५ हज़ार का टेस्ट १०० में	नवोदय टाइम्स
22.	23 April 2024	महज़ १०० रुपये में होगी सर्वाइकल कैंसर की जाँच	दैनिक जागरण
23.	3 May 2024	ICG conducts Medical Camp in collaboration with AIIMS	Hindustan Times
24.	7 May 2024	एम्स में सर्जरी से रक्तचाप का इलाज किया जा रहा है	हिंदुस्तान
25.	7 May 2024	सर्वाइकल कैंसर उन्मूलन के लिए ट्रेंड टीम त्यार कर रहा है एम्स	नवोदय टाइम्स
26.	7 May 2024	एम्स की कैथ लैब समता में होगा विस्तार	नवोदय टाइम्स
27.	8 May 2024	AIIMS Delhi announces plan to enhance its cath labs capacity	Millenium Post

S. No.	Date	Title	Newspaper
28.	8 May 2024	AIIMS Delhi rapidly bringing AI into imaging practice	The Hindu
29.	10 May 2024	AIIMS implements fully digital payment system in cafeteria	The Statesman
30.	13 May 2024	एम्स ने बनाया दुनिया का पहला ओरल कैंसर डिटेक्शन प्लेटफार्म MIDAS	नवोदय टाइम्स
31.	16 May 2024	AIIMS & University of Bolton Institute of Medicine, UK, Sign MoU	Millenium Post
32.	17 May 2024	AIIMS New Delhi enhances transparency in transport services	Millenium Post
33.	17 May 2024	Project longevity: AIIMS starts study to find secret to long life	The Times of India
34.	18 May 2024	लम्बी उम्र के लिए जिम्मेदार 'प्रोटीन'की पहचान करेगा एम्स	नवोदय टाइम्स
35.	20 May 2024	AIIMS hosts world retinoblastoma Awareness week	Millenium Post
36.	22 May 2024	Organs of brain-dead patients give new life to eight, vision to four	The Times of India
37.	22 May 2024	एम्स में पहली बार एक दिन में पांच मरीज़ो की अंग प्रत्यारोपण सर्जरी	दैनिक जागरण
38.	23 May 2024	भीषण गर्मी लगेगी कूल जब शरीर बनेगा योग के अनुकूल	नवोदय टाइम्स
39.	24 May 2024	बाद रहा बीपी, नियंत्रण के गुर सिखाएगा एम्स	अमर उजाला
40.	25 May 2024	बीपी को नियंत्रित करे, दीर्घ जीवन जिए: AIIMS	नवोदय टाइम्स
41.	28 May 2025	Heat stoke can trigger brain stroke in extreme situations, say doctors	The Times of India
42.	29 May 2025	मरीज़ो की संख्या कण्ट्रोल करने को हेल्थ सर्वे जरुरी: डॉ टंडन	नवोदय टाइम्स
43.	1 June 2024	एम्स में ब्रेन स्ट्रोक के मरीज़ो को मिलेगी आधुनिक सुविधाएं	अमर उजाला
44.	1 June 2024	एम्स में डिजिटल सब्ट्रैक्शन एगिओग्राफी शुरू	नवोदय टाइम्स
45.	6 June 2024	एम्स में गर्मी से बचाव को विशेष प्रबंधन करने के लिए निर्देश	दैनिक जागरण
46.	8 June 2024	तीमारदारों के लिए एम्स बनाएगा मेगा वेटिंग एरिया	नवभारत टाइम्स
47.	9 June 2024	आई आई टी के तह मिलकर कार्बन अवशोषण पर काम करेगा एम्स	अमर उजाला
48.	10 June 2024	एम्स में पूर्व बाल चिकित्सा OPD में मिलेगी फ्री दवाई	नवोदय टाइम्स

S. No.	Date	Title	Newspaper
49.	11 June 2024	AIIMS plans a slew of steps to address pollution on and outside premises	The Times of India
50.	11 June 2024	बच्चो को अपनी गिरफ्त में ले रहा हाइपरटेंशन: एम्स	नवोदय टाइम्स
51.	13 June 2024	योग कार्यक्रम के तहत हल्दी लाइफ हल्दी डाइट की जानकारी देगा एम्स	नवोदय टाइम्स
52.	16 June 2024	योग से बच्चो में कैंसर, अनुवांशिक विकारो में आएगी कमी	जनसत्ता
53.	18 June 2024	एम्स में धरातल पर नहीं उत्तरी किडनी के इलाज की सुविधा बढ़ाने की योजना	दैनिक जागरण
54.	19 June 2024	AIIMS Delhi performs India's first successful foetal blood transfusion	Millenium Post
55.	21 June 2024	खराब होती रक्त धमनियों को तेज़ी से ठीक करने में मददगार है योग	दैनिक जागरण
56.	22 June 2024	No kidding! Yoga can help raise sperm DNA quality	The Times of India
57.	25 June 2024	Don't just smell the coffee, drink it to cut morality risk, says study	The Times of India
58.	25 June 2024	शरीर में होने वाले टेड़ेपन को समय से पहले रोकेगा एम्स, मिलेगा इलाज	अमर उजाला
59.	25 June 2024	एफआरडीए बीमारी की दवा को भारत में सुलभ बनाने के लिए एम्स में हुआ मंथन	दैनिक जागरण
60.	27 June 2024	एम्स में दुर्लभ ब्लड कैंसर से पीड़ित की बचाई जान	दैनिक जागरण
61.	2 July 2024	Anxiety may double risk of Parkinson's	The Times of India
62.	9 July 2024	आंखों में होने वाले यूवाइटिस रोग की पेचान अब होगी आसान	अमर उजाला
63.	11 July 2024	AIIMS blood test offers hope & help in early Alzheimer's diagnosis	The Indian Express
64.	11 July 2024	एम्स: हार्ट, न्यूरो की OPD के लिए बनेगा नया ब्लॉक	नवभारत टाइम्स
65.	13 July 2024	Boy defies odds, Undergoes Rare Kidney Surgery at AIIMS	The Times of India
66.	16 July 2024	AIIMS Reshapes perceptions on Plastic Surgery	The Times of India
67.	16 July 2024	एम्स करेगा फेसिअल ट्रांसप्लांट, बिगड़ चुके चेहरे को सर्जरी से मिल सकेगा नया रूप	नवभारत टाइम्स
68.	16 July 2024	Yoga can significantly improve health of Rheumatoid Arthritis patients, find study	Statesman

S. No.	Date	Title	Newspaper
69.	23 July 2024	एम्स में मिल सकेंगे रियायती दरों पर कृत्रिम अंग	नवोदय टाइम्स
70.	23 July 2024	एम्स के सॉफ्टवेयर से दुरस्थ सेंटरो में भी हो सकेगा डायबिटीज का सटीक इलाज	दैनिक जागरण
71.	24 July 2024	CPR training should be included in school curriculum: Experts	The Times of India
72.	24 July 2024	स्कूली बच्चो को जान बचाना सिखाएगा एम्स	जनसत्ता
73.	30 July 2024	AIIMS warns of contaminated food and water risks amid rise in Hepatitis A Cases	Millenium Post
74.	31 July 2024	AIIMS sounds warning over Hepatitis A outbreak in city	The Statesman
75.	1 August 2024	एम्स में 500 लोगो के बैठने को बनेगा सुविधाओं से युक्त लाउन्ज	दैनिक जागरण
76.	1 August 2024	एम्स: परिसर में मरीज़ो के लिए सुरु होगी इ- बसे	जनसत्ता
77.	1 August 2024	AIIMS, Delhi to roll out electric buses	Millenium Post
78.	1 August 2024	9-year trial later, AIIMS software to take diabetes care to PHCs	The Indian Express
79.	2 August 2024	मोटापा, मधुमेह व गतिहीन जीवनशैली लिवर के लिए खतरा: एम्स	नवोदय टाइम्स
80.	2 August 2024	डायबिटीज मरीज़ो को मिला 225 % लाभ: एम्स	नवोदय टाइम्स
81.	2 August 2024	एम्स में अंगदान करने वाले के परिजनों को किया सम्मानित	अमर उजाला
82.	4 August 2024	एम्स: DMD के १४ मरीज़ो पर क्लीनिकल ट्रायल जल्द होगा	नवभारत टाइम्स
83	6 August 2024	एम्स में कैंसर मरीज़ो को रेडिओथेरपि में दूर होगी वेटिंग की समस्या	दैनिक जागरण
84.	12 August 2024	स्वतंत्रदिवस के उपलक्ष्य में एम्स में रक्तदान शिविर का आयोजन	नवोदय टाइम्स
85.	14 August 2024	सफ़ेद दाग के मरीज़ो को घर में फोटोथेरपि दे रहा एम्स	दैनिक जागरण
86.	16 August 2024	एम्स में रिकॉर्ड पौने लाख से ज्यादा सर्जरी	दैनिक जागरण
87.	21 August 2024	Mpox outbreak: AIIMS issues SOP to screen, tackle cases	The Indian Express
88.	22 August 2024	अब बच्चो की दिमागी परेशानी को जल्द पकड़ेगा एम्स	अमर उजाला
89.	28 August 2024	AIIMS to set up centre to develop medical devices with Osaka University	The Indian Express
90.	2 September 2024	AIIMS announces 'hostel mentor' initiative to enhance quality of life	Millenium post

S. No.	Date	Title	Newspaper
91.	2 October 2024	बुजुर्गो को सहारा दे रहा एम्स का नेशनल सेंटर फॉर एजिंग	अमर उजाला
92.	4 October 2024	एम्स में स्वदेशी मशीन से दंत रोग का इलाज, इंप्लांट भी होगा	अमर उजाला
93.	6 October 2024	AIIMS में वायरल निमोनिया के मरीज की ECMO से बची जान	नवभारत टाइम
94	6 October 2024	अंगों में जान लाकर नन्हे चेहरों पर मुस्कान ला रहा एम्स	अमर उजाला
95.	6 October 2024	एम्स में दिल न्यूरो के मरीजों के लिए अलग ब्लाक बनेगा	हिंदुस्तान
96.	8 October 2024	अब AI बेस्ड ECG सिस्टम लाएगा AIIMS	नवभारत टाइम
97.	8 October 2024	एम्स में मरीजों को मिलेगा एआइ तकनीक से ईसीजी की सुविधा	जनसत्ता
98.	10 October 2024	बच्चों में ब्लांइडनेस की सबसे बड़ी वजह मोबाइल: एम्स	नवभारत टाइम
99.	10 October 2024	एम्स आरपी सेंटर की मुहीम से भारत ट्रैकोमा से मुक्त हुआ	जनसत्ता
100.	11 October 2024	AIIMS में हुआ मेंटल हेल्थ प्रोग्राम	नवभारत टाइम
101.	13 October 2024	एम्स में बढ़ेगी स्तन कैंसर की जांच व स्क्रीनिंग की सुविधा	दैनिक जागरण
102.	15 October 2024	एम्स में छह ओपरेशन थियेटर जल्दी खुलेंगे	हिंदुस्तान
103.	15 October 2024	महिला कर्मियों को आत्मरक्षा की ट्रेनिंग देगा एम्स पच्छिम बंगाल में डॉक्टर की हत्या के बाद लिया फैसला	अमर उजाला
104.	16 October 2024	संपत्ति के साथ स्वास्थय की वसीयत भी जरुरी: एम्स	नवोदय टाइम्स
105.	16 October 2024	अनावश्यक इलाज से मुक्ति देगी एम्स की विशेष ओपीडी	अमर उजाला
106.	17 October 2024	इकलौते ट्रामा सेंटर के सहारे दिल्ली एनसीआर बढ़ रहा बोझ	अमर उजाला
107.	18 October 2024	आरोग्य मंदिर में देसी और विदेशी चिकित्सा पद्यति के संगम से होगा इलाज	नवोदय टाइम्स
108.	18 October 2024	एम्स के मातृ एवं शिशु ब्लाक में फेस रिकगिन्सन से होगा प्रवेश	नवोदय टाइम्स
109.	20 October 2024	चिकित्सकीय सम्मेलन में विदेशी जान पर एम्स देगा आर्थिक मदद	दैनिक जागरण
110.	22 October 2024	AIIMS ट्रामा सेंटर में बनेगा हाइब्रिड ऑपरशन थिएटर	नवभारत टाइम
111.	25 October 2024	एम्स के ट्रामा सेंटर में कुल बिस्तरों की संख्या 259 हुई	जनसत्ता

S. No.	Date	Title	Newspaper
112.	25 October 2024	AIIMS trauma centre gets five state of the art modular OTs	The Indian Express
113.	27 October 2024	Police empower AIIMS female staff, conduct self- defence training programme in city	The Statesman
114.	28 October 2024	एम्स में कल से शुरू होगा जन ओषधि केंद्र	दैनिक जागरण
115.	29 October 2024	ब्रेन स्टोक पीड़ित को एम्स में मिलेगा अत्याधुनिक स्टेट रिट्रीवर उपचार	नवोदय टाइम्स
116.	30 October 2024	एम्स दंत रोग उपचार के लिए स्वदेशी उपकरण और इंप्लांट करेगा विकसित	अमर उजाला
117.	30 October 2024	एम्स में खुला जन ओषधि केंद्र आयुर्वेद संसथान का विस्तान कर बढ़ाए 300 बेड	दैनिक जागरण
118.	1 December 2024	छोटे बच्चो के लिए सोशल मीडिया के इस्तेमाल पर सख्ती जरुरी: एम्स	नवभारत टाइम
119.	2 December 2024	एम्स में प्रबंधन सुधार के लिए सीडब्लूएमएस प्रणाली हुई शुरू	दैनिक जागरण
120.	2 December 2024	एम्स में रोबेट करेगा बच्चो की सर्जरी	हिंदुस्तान
121.	3 December 2024	125 डिग्री पर झुकी थी रीढ़,एम्स में दो सर्जरी के बाद सीधी खड़ी हुई युवती	दैनिक जागरण
122.	4 December 2024	अत्यधिक महंगे इलाज वाले दुर्लभ रोगों के लिए क्राउडफंडिंग को बढ़ावा देगा एम्स	नवोदय टाइम्स
123.	7 December 2024	एम्स में किया गया अध्ययन,हृदय की बीमारियों से मौतें कम करने में मददगार है फ्लू रोधी टिका	दैनिक जागरण
124.	7 December 2024	Take heart, flu shot can cut attack, death risks	The Times of India
125.	7 December 2024	मधुमेह की तरह पैर पसार रहा पीसीएसओ, बढ़ रहीं महिलाओं की समस्या	अमर उजाला
126.	9 December 2024	AIIMS Delhi organises workshop on Obstructive Sleep Apnea	The statesman
127.	9 December 2024	अगर रोज रात को खर्राटे आए तो मेडिकल जांच कराएं: एम्स	नवोदय टाइम्स
128.	11 December 2024	एम्स में क्यूआर कोड से कर सकेंगे खराब भोजन की शिकायत	दैनिक जागरण
129.	13 December 2024	एम्स सुविधाएं बेहतर बनाएगा कर्मचारियों को करेगा अपग्रेड	अमर उजाला
130.	12 December 2024	AIIMS doctors extract 9.2kg tumour from an ovarian cancer patient	The Times of India
131.	14 December 2024	एम्स में बनेगा ऐआइ हेल्थ इनोवेशन हब	अमर उजाला
132.	16 December 2024	एम्स में टीबी के टीकों का अंतिम परिक्षण शुरू	हिंदुस्तान

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133.	16 December 2024	एम्स में कैंसर रोगियों के बिस्तर बढ़ेंगे	हिंदुस्तान
134.	18 December 2024	एम्स ने ब्लड कैंसर मल्टीपल मायलोमा के इलाज के लिए बनाई एंटीबाडी	दैनिक जागरण
135.	18 December 2024	कैंसर की एडवांस स्टेज में मरीजों को जल्दी मिलेगा सटीक व सुलभ इलाज	अमर उजाला
136.	19 December 2024	AIMMS researchers develop therapy for multiple myeloma, animal trials show promising outcomes	The Times of India
137.	19 December 2024	स्वास्थय क्षेत्र में नवाचार को बढ़ावा देने में एम्स की मदद करेगा CSIR	नवोदय टाइम्स
138.	20 December 2024	महिलाओं - पुरुषो की प्रजनन क्षमता पर बुरा असर डाल रही माइक्रो प्लास्टिक	नवोदय टाइम्स
139.	21 December 2024	रोज 50 मिनट की योग से शुगर होगा कंट्रोल: एम्स	नवभारत टाइम
140.	21 December 2024	50 मिनट का योग, कम करेगा शुगर	नवभारत टाइम
141.	23 December 2024	शरीर की प्रकति अनुसार आहार के सुझाव देगा एम्स	हिंदुस्तान
142.	23 December 2024	शरीर की प्रकति अनुसार आहार के सुझाव देगा एम्स	हिंदुस्तान
143.	24 December 2024	ध्यान पर शोध करेगा एम्स विश्व को देगा वैज्ञानिक सबूत	अमर उजाला
144.	24 December 2024	मैडिटेशन से स्ट्रेस- मिर्गी में भी राहत	अमर उजाला
145.	26 December 2024	जलने की कारण चमड़ी खो चुके मरीजों को त्वचा दान से मिला नया जीवन	नवोदय टाइम्स
146.	26 December 2024	एम्स: ओटी में 50 आइसीयू में 40 फीसदी बिस्तर बढ़े	नवोदय टाइम्स
147.	27 December 2024	Our target is to compete with world's top medical institutions	Hindustan times
148.	28 December 2024	शराब तम्बाकू से रहेंगे दूर तो स्वस्थ रहेगा पैंक्रियास	नवोदय टाइम्स
149.	1 January 2025	To enhance emergency care at sea, AIIMS, & Coast Guard sign MoU	Indian Express
150.	10 January 2025	BSES and AIIMS unite for eco-friendly mobility	Times of India
151.	27 January 2025	Former head of Obstetrics and Gynaecology at AIIMS awarded Padma Shri	Millenium Post
152.	1 February 2025	चिकत्सा शोध में सहयोग करेगा एम्स	जनसत्ता
153.	4 February 2025	स्तन- ओवरी कैंसर के इलाज में मददगार होगा एआइ सॉफ्टवेयर: एम्स	दैनिक जागरण

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154.	5 February 2025	गलत खान पान और मोटापा है देश में आधी बीमारियों का कारण	दैनिक जागरण
155.	7 February 2025	एम्स में शोध में खुलासा, 20 साल में दोगुना हो गए लिवर सेरोसिस के मरीज़	अमर उजाला
156.	8 February 2025	एम्स में हुए सम्मेलन में चिक्त्सिको ने बताया: देश में 55 फीसद लोग अनिद्रा के शिकार	जनसत्ता
157.	11 February 2025	AIIMS launches unique waste conversion system	Times of India
158.	11 February 2025	Jitender singh launches Srjanam at AIIMS	The Statesman
159.	13 February 2025	कैंसर की वैश्विक राजधानी बनने की राह पर भारत: एम्स	जनसत्ता
160.	14 February 2025	AIIMS to soon get new tech for treatment of Parkinson's and epilepsy sans surgery	Hindustan Times
161.	14 February 2025	एम्स में खुला मानव मिल्क बैंक 'पयोधि	दैनिक जागरण
162.	14 February 2025	एम्स में नयी मशीन से कैंसर मरीज़ो को मिलेगी राहत	दैनिक जागरण
163.	17 February 2025	AIIMS starts 'Payodhi' human milk bank for critically-ill babies	Times of India
164.	17 February 2025	एम्स: फ्री में 250 की हुई रोबोटिक सर्जरी	नवोदय टाइम्स
165.	17 February 2025	एम्स ने हासिल की सर्जिकल रोबोट की अत्याधुनिक प्रोद्योगिकी	जनसत्ता
166.	17 February 2025	कैंसर की जड़ को तलाशेगा बायोपैक, इलाज होगा सटीक	अमर उजाला
167.	18 February 2025	एम्स झज्जर में तीमारदारों को कराया जा रहा योग	जनसत्ता
168.	21 February 2025	बच्चे की टेढ़ी रीढ़ होगी सीधी लकवे की आशंका भी कम	अमर उजाला
169.	22 February 2025	एम्स में भर्ती हो सकेंगे गठिया के गभीर मरीज़	नवोदय टाइम्स
170.	22 February 2025	Watershed moment for inclusive medicine: docs	Times of India
171.	25 February 2025	14 CR AIIMS Centre to tackle tech addiction	Times of India
172.	25 February 2025	मोबाइल की लत छुड़ाने को एआइ टूल तयार करेगा एम्स	दैनिक जागरण
173.	25 February 2025	इंटरनेट की लत दूर करने के लिए एम्स में खुलेगा रिसर्च सेंटर	नवभारत टाइम्स
174.	26 February 2025	एम्स में चार पैरो वाले बच्चे को दी नयी जिंदगी	अमर उजाला
175.	26 February 2025	In a first, Delhi AIIMS docs treat rare parasitic twin condition in 17 yrs old boy	Millenium Post

S. No.	Date	Title	Newspaper
176.	27 February 2025	Centre to help children & youth combat internet addiction to be set up at AIIMS	Millenium Post
177.	1 March 2025	दिल के मरीज़ो को सुपर स्पेशलिटी ब्लॉक मिलेगा: एम्स	हिंदुस्तान
178.	1 March 2025	सरकारी अस्पतालों में भी मिलेगी एम्स जैसी आधुनिक सुविधाएं	अमर उजाला
179.	1 March 2025	दिल्ली के अस्पतालों की इमरजेंसी सेवा दुरुस्त करने में जुटा एम्स	दैनिक जागरण
180.	3 March 2025	AIIMS and IITs lead AI-CoEs to developed structure AI datasets in agriculture and healthcare sectors	Times of India
181.	3 March 2025	एम्स के विशेषज्ञो ने किया देशभर के पांच जिला अस्पतालों में शोध, अस्पताल में पैदा होने वाले आधे नवजातों में दिखे बीमारी के लक्षण	अमर उजाला
182.	5 March 2025	एम्स का शोध: हल्दी और काली मिर्च की मदद से दूर हो सकेगा आँखों का सूखापन	अमर उजाला
183.	5 March 2025	मोटापा काम करने में सहायक हो सकती है प्लास्टिक सर्जरी: एम्स	जनसत्ता
184.	5 March 2025	Genetics not significant reason for obesity, lifestyle changes a must: Experts	The Statesman
185.	7 March 2025	सेहत के लिए कॉलेस्ट्रॉल जरुरी मगर जादाद होने पर हार्ट अटैक संभव	नवोदय टाइम्स
186.	8 March 2025	पूरा सिंथेटिक कॉर्निया बनाने के लिए एम्स से सुरु की रिसर्च	नवभारत टाइम्स
187.	8 March 2025	एम्स में ए आई की मदद से आँखों का उपचार होगा	हिंदुस्तान
188.	8 March 2025	एआई से होगी आँखों के रोग की पहचान, स्टेम सेल से सटीक इलाज	अमर उजाला
189.	9 March 2025	एम्स का सॅटॅलाइट सेंटर वसुंधरा में बनाया जायेगा	हिंदुस्तान
190.	9 March 2025	एंजिओप्लास्टिक के बाद बीमारी से उभरने में योग मददगार	दैनिक जागरण
191.	11 March 2025	एम्स के कैंसर सेंटर में आएगी दो नयी रेडिओथेरपि मशीन	दैनिक जागरण
192.	12 March 2025	स्टेरॉयड के इस्तेमाल से आँखों को खतरा: एम्स	नवभारत टाइम्स
193.	12 March 2025	एम्स में तैयार हो रही डायलिसिस यूनिट	दैनिक जागरण
194.	16 March 2025	Dry eyes? Haldi component likely to help	Times of India
195.	16 March 2025	Prolonged use of steroids linked to risk of glaucoma, AIIMS docs warn	Times of India

S. No.	Date	Title	Newspaper
196.	16 March 2025	एम्स में चार माह के बच्चे की दुर्लभ सर्जरी से बचाई जान	जनसत्ता
197.	18 March 2025	किडनी मरीज़ो को एम्स की ओ पी डी में भी मिलेगी डायलिसिस सेवा	नवोदय टाइम्स
198.	18 March 2025	अंगदान को बढ़ावा देने के लिए एम्स में निकली गयी रैली	जनसत्ता
199.	22 March 2025	AIIMS has played a pivotal role in healthcare: President of India	The Statesman
200.	22 March 2025	Murmu: AIIMS can take lead to bring gender parity on healthcare sector	Indian Express
201.	26 March 2025	Indigenously-built MRI Scanner to be installed in AIIMS	Times of India
202.	28 March 2025	ऑक्सीजन प्रबंधन को बेहतर बनाएगा एम्स	अमर उजाला

Press Conferences

S.No.	Date	Topic	Department
1.	8 April 2024	Congential Surgical Anomalies, Surgery & Safe Anaesthesia in Children	Paediatric Surgery
2.	9 April 2024	Public Health Issue of Anemia of Pregnancy	Obs. & Gynaecology
3.	13 April 2024	Primary Health Care - Reclaiming the Lost Ark	CCM
4.	22 April 2024	The Different Colours of Autism	Paediatric Neurology
5.	22 April 2024	Electron Microscope Saif Facility at AIIMS	Emergency Medicine
6.	30 April 2024	Cutting edge radiological services and MRI facility	Radio-Diagnosis and Interventional Radiology
7.	18 June 2024	Multidisciplinary strength of AIIMS Delhi for saving life of Unborn child	Obstetrics. & Gynaecology
8.	19 June 2024	National Conclave on Awareness Generation on Sickle Cell disease programme	Hematology
9.	15 July 2024	Groundbreaking collaboration in Epilepsy Surgery	Neurosurgery
10.	15 July 2024	Celebrate Plastic Surgery Day at AIIMS New Delhi	Burns & Plastic Surgery
11.	23 July 2024	1st School CPR Program stakeholder consultation	Emergency Medicine
12.	29 July 2024	Crucial discussion on Hepatitis in India - Focusing on prevention and management strategies	Gastroenterology
13.	5 August 2024	Conjuction with the IABS-NZ 2024	Pathology
14.	19 August 2024	Interventional Neuro radiology in India and Beyond	Neuroscience Centre
15.	2 September 2024	Celebrate 39th National Eye Donation Fortnight	Dr. R.P. Centre
16.	8 September 2024	Surgical Innovation, Medical Education and Cadaver Multi Organ Retrieval Workshop	Surgicial Discipilines
17.	10 September 2024	AIIMS Delhi is set to start a dedicated Tobacco Cessation Clinic	NDDTC
18.	24 September 2024	The Future of Surgery: Advancing Medical Excellence	Surgicial Discipilines
19.	29 September 2024	Advancing Oral Health in India	CDER

S.No.	Date	Topic	Department
20.	9 October 2024	Prevention of Blindness - Sight for Life	Dr. R.P. Centre
21.	10 October 2024	Renowned motivational speaker, author and wellness expert Dr. Deepak Chopra	Psychiatry
22.	15 October 2024	Advance Care Directive, Living will and dignity of dying	Dr. BRA IRCH
23.	26 October 2024	1st batch of Self -Defence Training conducted for Lady Doctor's and Staff	MS-Office
24.	28 October 2024	Grassroot trials at AIIMS	Neuroscience Centre
25.	28 October 2024	Inauguration of Child Myopia Clinic	Dr. R.P. Centre
26.	27 November 2024	Vitamin D Deficiency in Indians	Endocrinology
27.	28 November 2024	Advancement in Precision, Nano Medicine and Drug Development	Pharmacology
28.	8 December 2024	Public Health Challenge of Obstructive Sleep Apnea	Pulmonary Medicine & Sleep Disorders
29.	11 December 2024	A Triumph with Adversity: The Surgeons journey to defeat a rare Abdominal Tumor	Dr. BRA IRCH
30.	23 December 2024	First UN World Meditation Day	Physiology
31.	25 December 2024	Good Governance Day in Honor of Bharat Ratna Sh. Atal Bihar Vajpayee	Director Office
32.	27 December 2024	Are you living with Pancreatitis	Gastroenterology
33.	30 December 2024	Transformation of AIIMS, New Delhi	Director Office
34.	15 January 2025	Integrating Health care and Spirituality	Physiology
35.	17 January 2025	Rare Diseases	Dermatology & Venerology
36.	4 February 2025	Awareness about the adverse health impacts of Obesity	Obstetrics. & Gynaecology
37.	7 February 2025	Mental Disorders hidden behind Sleep Disorders	Pulmonary Medicine & Sleep Deisorders and Psychiatry
38.	15 February 2025	National Cancer Institute Foundation Day	NCI Jhajjar
39.	25 February 2025	Separation of In-Complete Parasitic twin	Surgical Disciplines
40.	27 February 2025	Awareness about Breast Conditions	Dr. BRA IRCH
41.	1 March 2025	Diamond Jubilee Year of Neuro-Surgery	Neuro-Surgery
42.	7 March 2025	Advances in Integrative Medicine	CIMR
43.	7 March 2025	Foundation Day of Dr. R.P. Centre	Dr. RP Centre
44.	11 March 2025	Glaucoma - the Silent thief of Vision	Dr. RP Centre
45.	25 March 2025	Indigenous Development of MR Scanner and other Medical Devices for Vikshit Bharat	NMR

Public Lecture Series

S.No.	Date	Subject	Department
1.	9 April 2024	Surgical Health of Children	Peadiatric Surgery
2.	22 April 2024	Parkinson's Disease & Some Essential Information	Neurology

S.No.	Date	Subject	Department
3.	22 April 2024	The Different Colours of Autism-Let's Solve The Riddle	Pediatrics
4.	21 May 2024	Heat Related Illness	CCM
5.	24 May 2024	High Blood Pressure	CCM
6.	3 June 2024	Multiple Sclerosis	Neurology
7.	15 July 2024	Myths about Cosmetic Surgery & Hair Transplantation	Burn & Plastic Surgery
8.	29 July 2024	Hepatitis in India	Gastroenterology
9.	13 August 2024	Vitilgo (Leukoderma)	Dermatology
10.	10 September 2024	Air Pollution & Health Impacts	CCM
11.	30 September 2024	Breast Cancer Awareness	Surgery
12.	9 October 2024	What should you know in Blindness Prevention	RPC
13.	15 October 2024	Advance Care Directive & Living Will	Dr. BRAIRCH
14.	28 October 2024	Stroke	Neurology
15.	8 November 2024	Burns Injuries	Burn & Plastic Surgery
16.	19 March 2024	Pediatric Rheumatic Disorders	Division of Rheumatology & Clinical Immunology Dept. of Pediatrics

Protocol Division Facilitation Extended to National & International Delegation

Sl.No.	Date	Title	Visit Palce
1.	1 April 2024	Initial meeting on visit of three members delegation from Keele University, UK at AIIMS, New Delhi	Dean's Committee Room, Academic Section
2.	4 April 2024	Concluding meeting on visit of three members delegation from Keele Univesity, UK at AIIMS, New Dehi	Dean's Committee Room Academic Section
3.	17 September 2024	Meeting on visit of 34 Civil Servants from Maldives at AIIMS, New Delhi	Dr. Ramalingaswami Board Room
4.	24 March 2025	Meeting with a delegation from Netherland to discuss sustainable and reliable cooperation in the fields of pharmaceutical products and medical technology at AIIMS, New Delhi	Dr. Ramalingaswami Board Room

11.12. National Medical Journal of India

Annual Report for 2024

The *National Medical Journal of India* (NMJI) is a general medical journal, published by the All India Institute of Medical Sciences, New Delhi, India (AIIMS). The journal began publishing in 1988 and has been publishing continuously since that date. The NMJI is peer-reviewed with print and online publication, and its full text (platinum open access) is available online at http://www.nmji.in. The journal is funded by a grant from AIIMS, and there are no fees for article submission, publication or access.

The NMJI is indexed in Medline® and Science Citation Index Expanded®. It was among the first journals from India to be included in Medline® in January 1992. The journal is published bi-monthly. It received over 1600 manuscript submissions in 2024 with an overall acceptance rate of 11%. The journal follows a double-blind peer review system through its online manuscript handling system. The journal is also indexed in Google Scholar, ProQuest, ReadCube, CrossRef, Portico and EBSCO.

The editorial board of the NMJI includes current and former editors of some of the most prominent international journals including the British Medical Journal, Annals of Internal Medicine, The Lancet, Journal of American Medical Association; representatives of organizations such as the World Association of Medical Editors (WAME) and the International Committee of Medical Journal Editors (ICMJE), and eminent Indian and international biomedical scientists.

Former editors of the journal include Prof Samiran Nundy, Prof K Srinath Reddy and Prof Peush Sahni. The NMJI is currently one of the member journals of the ICMJE, the first and sole journal from India on this committee. The journal is known for its strong focus on ethics and quality and reflects the culture and commitment to excellence that AIIMS New Delhi stands for.

Rajeev Kumar
Editor NMJI

12. Publications

Journals Articles

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13. Finance Division

Senior Financial Advisor	
Ms. Divya Yanamadala, IAAS	
Financial Advisor	
Shri Vijay Pal Singh	
F&CAOs	
Shri Padam singh	Shri Trilok Chand
Shri Prem Pal	Sh. Rakesh kumar Jha

Accounts Officers		
Sh. Surendra Koolwal	Sh. Komal Anwani	Sh. Joginder Singh
Sh. Prakash Kumar Giri	Sh. Nikhil Jain	Sh. Satish Kumar
Sh. Amit Kumar	Shri Satish Kumar Yadav	Sh. Ravinder Kumar
Sh. Yogesh Kumar	Sh. Shivanand Thakur	Sh. Pradeep Kumar
Sh. Himanshu Kandpal	Sh. Dhiraj Kumar Sinha	Sh. Mayank Chakradhar

Asstt. Accounts Officers		
Smt. Meena Gupta	Sh. Pramod Kumar	Smit. Rashu kabtiyal
Smt. S. Tanveer	Smt. Sushil Kumari	Sh. Satya Dev Sharma
Sh. Nagender	Sh. Arvind Kumar	Ms. Veena Gaba
Mr. Urmila	Sh. Yashpal Singh	Ms. Sonu Kaura
Sh. Naresh Chandra Sharma	Ms. Anuradha Garg	Ms. Rakshsa Rani
Sh. Suresh Kumar	Sh. Prem Sagar	Sh. Shakti Singh
Ms. Reema Kumar	Sh. Prem Sagar	Sh. Megh Singh Chauhan
Sh. Tej Pal Singh	Sh. Wajid Ali	Sh. Darshan lal
Sh. Mukesh Kumar	Ms. Anita Singh	

Jr. Account Officers
Ms. Jyoti Sharma, Shri Surjit Singh, Sh. Satish Kumar & Shri Pradeep Kotnala

Function of Finance Division (FD)

The Institute gets grants under the Heads Salaries, General & Capital Creation from the Government of India, Ministry of Health and Family Welfare. In addition, grants are received for National Drug Dependence Treatment. Besides, extramural grants are also received from various external funding agencies such as ICMR, DST, CSIR, WHO, UNICEF, DBT, etc. for various research projects. Grant received from the Government of India under these three heads and other agencies are further allocated to various Centres/Departments/Research Projects as per their projection/requirements.

Finance Division of the Institute monitors/controls the expenditure against the above funds/budget by obtaining monthly expenditure from the respective centers/units/departments and also administers day to day financial matters, payment of salaries to faculty and staff, payment of personal claims, pension and GPF in respect of the employees of the institute. At the time of making the payment, all the checks as prescribed by the Government of India are being exercised by the respective DDOs cum Accounts Officers.

The other main function of Finance Division are:

Budget-related: FD's Budget wing is responsible for calling for annual requirements from various Centres/Departments/ Divisions to formulate projection for next year. Once approved by Parliament in Annual Budget, the same is intimated to AIIMS by MoHFW. Budget for FR 2024-25 was as follows:

2024-25 (Amount in Rs Crore)

Head of Accounts	BE	RE	Actuals Expenditure
Grants-in-Aid: Creation of Capital Assets	400	490	490.00
Grants-in-Aid: General (including SAP)	1533	1699.32	1699.32
Grants-in-Aid: Salary	2590	2720.14	2691.38
Total	**4523**	**4909.46**	**4880.70**

*Excess Expenditure met out from Institute's Reserve & Surplus.
** As per RE 2550.00 crore was received in GIA Salaries against which unspent transferred to Scheduled Commercial Bank account for making payment of salary for the month of March, 2024 to be paid in April, 2024.

Project Formulation & Appraisal: Institute is growing in terms of load of patient-care, medical education & research. There are several ongoing projectof very high value and critical to carry out the mandate of AIIMS. The FD assist the Director, Standing Finance Committee& Governing Body of AIIMS and MoHFW/Government in ensuring compliance, prioritization and oncurrence of projects.

Financial Concurrence: There are proposals on account of procurement of Machinery & Equipment, Rate Contract for chemicals, medicines, consumables, contract for works &services etc. received in FD for financial concurrence/advice. The scrutiny by FD is critical to ensure best value for money to public exchequer.

Scrutiny of bills for payment: Bills on account of personal claims, procurement of good & services through GeM,tendering etc. are processed and paid. While making payments, all prescribed checks are exercised by the FD. The FD caters to more than 15,000 employees &pensioners and over 2500 studetns & Residents.

Internal Audit: With increased activities and expansion of AIIMS, the number of units required to be audited annually has gone up substantially. The Internal Audit of the Institute is a continuous & mandatory process as the Ministry as well as the Office of the DGACE has emphasized upon the need to strengthen the internal audit of the Institute so that the procedural faults, if any, can be brought to the notice of the concerned authorities at initial level and rectified there only.

Accounts& Audit: AIIMS, being Central Autonomous Body, has to compile the Annual Accounts by 30th June each year and present the same for audit by C&AG's team. The Audited Utilization Certificates (UCs), of previous year's Grant-in-Aid releasesto Inisitute, are required to be sent to the Ministry for further continued budgetary support. The Annual Accounts, along with separate Audit Report & Audit Certificate, is received by 09.12.2025 and tabled by MoHFW in the Parliament by 31st December.

All the above works are executed by the Financial Advisor, Finance and Chief Accounts Officers (F&CAOs)/Account Officer/AAOs/JAOs under the overall control of Senior Financial Advisor.

अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences
अंसारी नगर, नई दिल्ली-29
Ansari Nagar, New Delhi-29
वित्तीय स्थिति
Statement of Financial Position
31 मार्च, 2025 को समाप्त वर्ष के लिए
as on 31st March, 2025

Amount in Rs.

CORPUS/CAPITAL FUND AND LIABILITIES	Schedule	2024-25	2023-24
Corpus/Capital fund and Liabilities	1	90,307,976,758	85,563,018,796
Reserves and Surplus	2	9,846,064,614	8,073,291,637
Earmarked / Endowment Fund	3	4,250,507,049	3,035,761,408
Secured Loans & Borrowings	4		
Unsecured Loans & Borrowings	5		
Deferred Credit Liabilities	6		
Current Liabilities and Provisions	7	7,599,838,873	7,354,469,631
TOTAL		**112,004,387,294**	**104,026,541,472**
ASSETS			
Fixed Assets	8	77,939,746,802	74,978,698,315
Investments from Earmarked / Endowment funds	9		
Investments-others	10	1,414,629,612	861,600,000
Current Assets, Loan & Advances etc.	11	32,650,010,880	28,186,243,157
Misc. Expenditure			
(to the extent not written off or adjusted)			
TOTAL		**112,004,387,294**	**104,026,541,472**
Accounting policies and notes forming part of accounts	24		

Accounts Officer **Financial Advisor** **Senior Financial Advisor**

Director

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
आय और व्यय खाता
INCOME AND EXPENDITURE ACCOUNT
31 मार्च, 2025 को समाप्त वर्ष के लिए
FOR THE PERIOD ENDED 31-03-2025

Amount in Rs.

INCOME	**Schedule**	**2024-25**	**2023-24**
Income from Sales/Services	12	682,803,207	645,594,742
Grants/Subsidies	13	44,420,044,300	40,155,150,028
Fees/Subscriptions	14	180,706,582	217,339,149
Income from Investments (Income on Invest. From earmeked/endow.Funds transfered to funds)	15		
Income for Royalty, Publication etc.	16		
Interest Earned	17	512,930,548	139,180,277
Other Income	18	2,073,928,892	1,885,773,956
Increase/(decrease) in stock of Finished goods and works-in-progress	19		
TOTAL (A)		**47,870,413,529**	**43,043,038,152**
EXPENDITURE			
Establishment Expenses	20	27,150,173,667	24,673,649,535
Other Administrative Expenses etc.	21	10,964,174,792	9,958,123,818
Material and supply	21B	6,288,363,973	6,072,481,603
Expenditure on Grants, Subsidies etc.	22		
Interest / Bank Charges	23	1,546	1,458
Depreciation (Net Total at the year-end - corresponding to Schedule 8)		1,156,883,897	902,624,126
TOTAL (B)		**45,559,597,875**	**41,606,880,539**
Balance being excess of Income over Expenditure (A-B)		**2,310,815,654**	**1,436,157,613**
Transfer to Special Reserve (Specify each)			
Transfer to /from General Reserve			
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/ CAPITAL FUND			
TOTAL			

Accounts Officer **Financial Advisor** **Senior Financial Advisor**

Director

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

SCHEDULE 1- CORPUS/CAPITAL FUND:	**2024-25**	**2023-24**
Balances as at the begining of the year	85,563,018,796	80,534,903,442
Add : Contributions towards Corpus/Capital Fund	4,930,455,081	5,154,728,868
Less Condemnation during the year	185,497,119	-126,613,514
BALANCE AS AT THE YEAR-END	**90,307,976,758**	**85,563,018,796**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

SCHEDULE 2- RESERVES AND SURPLUS:	**2024-25**	**2023-24**
1. Capital Reserve:		
As per last Account	30,759,530	30,756,605
Addition during the year	71,213	2,925
Less: Deductions during the year		
2. Revaluation Reserve		
As per last Account		
Addition during the year		
Less: Deductions during the year		
3. Special Reserves		
As per last Account		
Addition during the year		
Less: Deductions during the year		
4. General Reserve		
As per last Account	8,042,532,107	5,193,997,398
Addition during the year	2,310,815,654	1,436,157,613
Add/(Less): Adjustment	-542,701,016	1,412,377,096
Cancelled Cheque Credit B.A	4,587,126	
TOTAL	**9,846,064,614**	**8,073,291,637**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

SCHEDULE 3 - EARMARKED/ENDOWMENT FUNDS	2024-25	2023-24
a) Opening balance of the funds	3,035,761,408	1,751,872,191
b) Additions to the Funds:		
i. Donations/grants		261,385,669
ii. Income from investments made on account of funds		
iii. CSR Hospital Billing AIIMS		
iv. Research Section		
v. Others	5,367,665,395	2,199,159,369
TOTAL (a)	**8,403,426,803**	**4,212,417,230**
c) Utilisation/Expenditure towards objectives of funds		
i. Capital Expenditure		
- Fixed Assets		81,200,000
- Others		
ii. Revenue Expenditure		
- Salaries, Wages and allowances etc.		29,722,326
- Rent		
-Other Expenses	4,152,919,754	1,065,733,496
Total Expenditure (b)		**1,176,655,822**
NET BALANCE AS AT THE YEAR-END (a-b)	**4,250,507,049**	**3,035,761,408**

Accounts Officer

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

SCHEDULE 4-SECURED LOANS AND BORROWINGS:	2024-25	2023-24
1. Central Government		
2. State Government		
3. Financial Institutions		
a) Term Loans		
b) Interest accrued and due		
4. Banks:		
a) Term Loans		
- Interest accrued and due		
b) Other Loans (specify)		
- Interest accrued and due		
5. Other Institutions and Agencies #		
Add- Loan Recevied		
Less- Repayment of Loan		
6. Debentures and Bonds		
7. Others (Specify)		
TOTAL		

Accounts Officer **Financial Advisor**

All India Institute of Medical Sciences, New Delhi
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2025

(Amount in Rupees)

SCHEDULE 5 - UNSECURED LOANS AND BORROWING	2024-25	2023-24
1. Central Government	-	-
2. State Government	-	-
3. Financial Institutions	-	-
4. Banks:	-	-
a) Term Loans		
b) Other Loans (specify)		
5. Other Institutions and Agencies	-	-
6. Debentures and Bonds	-	-
7. Fixed Deposits	-	-
8. Others (Specify)	-	-
TOTAL	**₹ 0.00**	**₹ 0.00**

SCHEDULE 6 - DEFERRED CREDIT LIABILITIES:	2024-25	2023-24
a) Acceptances secured by hypothecation of capital equipment and other assets	-	-
b) Others	-	-
TOTAL	**₹ 0.00**	**₹ 0.00**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS	2024-25	2023-24
A. CURRENT LIABILITIES AND PROVISIONS		
1. Imprest		20,000
2. Sundry Creditors:		-
i) For Goods (Custom Duty to be paid)		-
ii) Others (Grants for HEFA Loan)		-
3. Advances Received		-
4. Interest accrued but not due on:		-
a) Refunded to the MoH&FW		3,970,504
a) Unsecured Loans/borrowings		-
5. Statutory Liabilities:		-
a) Overdue		-
a) Others		-
6. Other current Liabilities	7,599,838,873	7,350,479,127
7. Main AIIMS		-
TOTAL (A)	**7,599,838,873**	**7,354,469,631**
B. PROVISIONS		
1. For Taxation		-
2. Gratuity		-
3. Superannuation/Pension		-
6. Accumulated Leave Encashment		-
6. Trade Warranties/Claims		-
6. Others (specify)		-
TOTAL (B)		-
TOTAL (A+B)	**7,599,838,873**	**7,354,469,631**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2024

Amount in Rs.

SCHEDULE-8 (Fixed Assets)	2024-25					2023-24				
	Cost/valuation As at beginning of the year	Additions during the year	Condemnation	Depreciation	Cost/ Valuation at the year end	Cost/valuation As at beginning of the year	Additions during the year	Condemnation	Depreciation	Cost/ Valuation at the year end
FIXED ASSETS DISCRIPTION										
A. FIXED ASSETS:										
1 LAND:										
a)Freehold / Leasehold	895,504,881				895,504,881	895,504,881	-			895,504,881
2 BUILDINGS:	-				-	-	-			-
a) On Freehold Land	30,462,903,858	810,697,429		160,811,357	31,112,789,930	30,533,810,376	55,732,752.00	-	126,639,270.48	30,462,903,858
b) Capital Work in Progress	683,133,970	3,239,641		184,025	686,189,586	460,303,700	222,963,000.96	-	132,731.03	683,133,970
3 PLANT MACHINERY & EQUIPMENT	40,308,722,683	3,283,291,843	182,652,826	977,075,860	42,432,285,840	38,147,917,778	3,033,642,878.25	118,885,025.87	753,952,947.97	40,308,722,683
4 Vehicles	126,014,656	2,429,500		4,429,605	124,014,551	115,694,282	16,545,147.68	1,770,621.00	4,454,152.66	126,014,656
5 Furniture	98,340,686	1,589,528	2,835,331	903,578	96,191,305	82,921,648	20,148,619.48	-	4,729,581.50	98,340,686
6 Computer/Peripherals	310,000,469	4,151,688	7,690	13,479,472	300,664,995	294,927,993	33,734,717.34	5,946,799.40	12,715,441.99	310,000,469
7 Library Books	2,094,077,113	198,029,874	1,272		2,292,105,715	1,847,174,415	246,913,765.92	11,068.00	-	2,094,077,113
TOTAL OF CURRENT YEAR	**74,978,698,315**	**4,303,429,503**	**185,497,119**	**1,156,883,897**	**77,939,746,802**	**72,378,255,073**	**3,629,680,881.63**	**126,613,514.27**	**902,624,125.63**	**74,978,698,315**
TOTAL OF PREVIOUS YEAR	**72,378,255,073**	**3,629,680,882**	**126,613,514**	**902,624,126**	**74,978,698,315**	**70,703,670,921**	**2,588,965,736.14**	**95,236,217.00**	**819,145,366.56**	**72,378,255,073**

Accounts Officer **Financial Advisor**

All India Institute of Medical Sciences, New Delhi

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2025

	(Amount in Rupees)	
SCHECULE 9 - INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	**2024-25**	**2023-24**
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debenutres and Bonds	-	-
5. Subsidiaries and Joint Venutres	-	-
6. Others (to be specified)	-	-
TOTAL	**₹ 0.00**	**₹ 0.00**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

SCHECULE 10 - INVESTMENTS - OTHERS	2024-25	2023-24
1. In Government Securities		
2. Other approved Securities		
3. Shares		
4. Debenutres and Bonds		
5. Subsidiaries and Joint Venutres		
6. Others	1,414,629,612	861,600,000
8. Investment of Donations		
TOTAL	**1,414,629,612**	**861,600,000**

Accounts Officer **Financial Advisor**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Balance Sheet as on 31.03.2025

Amount in Rs.

Schedule -11 Current Assets, Loans, Advances etc.	**2024-25**	**2023-24**
CURRENT ASSETS:		
1. Inventories/Advances for Procurement		
a) M&E Foreign Purchase		320,663,824
b) M&S		9,782,099
c) Stock-in-trade		
Finished Goods		
Work-in-progress		
2. Sundry Debtors:		
a) Debts Outstanding		14,958,808
b) Others (outside recoveries)		3,245,441
c) Misc. recoveries receivable from Centres (Engg. Work)		
3. Cash balances in hand (including cheques/ drafts and imprest)		204,201
4. Bank Balances:		
a) With Scheduled Banks:		
On Current Accounts / Saving Account	14,938,900,895	11,540,844,679
On Deposit Accounts / FDRs	3,218,516,455	2,696,919,723
b) With non-Scheduled Banks:		
On FDRs		
on FDRs		
On Savings Accounts		
5. Duty and Avances Others		
TOTAL (A)	**18,157,417,350**	**14,586,618,775**
LOANS, ADVANCES AND OTHER ASSETS		
1. Loans:		
a) Staff		6,149,149
b) Other Entities engaged in activities/objectives similar to that of Entity		
c) Other (Adv for purchase)		
2. Advances and other amounts:-		
a) On Capital Account		
b) Letter of Credit		53,149,281
c) Custom Duty		137,992,347
d) PDA		29,745,034
3. Income Accrued:		
a) On Investments from Earmarked / Endowment Funds	40,915,318	
b) On Investments - Others		
c) On Loans and Advances		
4.) Others	14,451,678,213	13,372,588,571
(includes income due unrealised - Rs……)		
4. Claims Receivable:		
TOTAL (B)	**14,492,593,531**	**13,599,624,382**
Total (A+B)	**32,650,010,880**	**28,186,243,157**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHECULE 12 - INCOME FROM SALES / SERVICES	**2024-25**	**2023-24**
1) Income from Sales		
1. Sale of Finished Goods		
2. Sale of Raw Material		
3. Sale of Scraps	1,056,800	2,832,000
2) Income from Services		-
a) Hospital receipts	673,914,412.79	636,480,030
b) Professional / Consultancy Services		-
c) Agency Commission and Brokerage		-
d) Maintenance Services (Equipment/Property)		-
e) Others	7,831,994	6,282,712
TOTAL	**682,803,207**	**645,594,742**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHECULE 13 - GRANTS /SUBSIDIES	**2024-25**	**2023-24**
(Irrevocable Grants & Subsidies Received)		
1. Central Government	44,420,044,300	40,155,150,028
2. State Government(s)		
3. Government Agencies		
4.Institutions/ Welfare Bodies		
5.International Organisations		
6.Others (Specify) PMJAY Transf. from Hospital		
TOTAL	**44,420,044,300**	**40,155,150,028**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHEDULE 14 - FEES/SUBSCRIPTIONS	2024-25	2023-24
1. Tuition Fee	106,732,361	92,187,443
2. Licence Fee	13,711,805	15,661,231
3. Seminar/Program Fees		
4. Exam. Receipt		
5. Others	60,262,416	109,490,475
Total	**180,706,582**	**217,339,149**

Accounts Officer **Financial Advisor**

All India Institute of Medical Sciences, New Delhi

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2025

SCHEDULE 15 - INCOME FROM INVESTMENTS	**Investment from Earmarked Fund**	
(Income on Invest. From Earmarked/Endowment Funds transferred to Funds)	**2024-25**	**2023-24**
1. Interest	-	-
a) On Govt. Securities	-	-
a) Other Bonds/Debentures	-	-
2. Dividends:	-	-
a) On Shares	-	-
a) On Mutal Fund Securities	-	-
3. Rents	-	-
4. Others (Specify)	-	-
TOTAL	**₹ 0.00**	**₹ 0.00**

SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.	**2024-25**	**2023-24**
1. Income from Royalty	-	-
2. Income from Publications	-	-
3. Others (specify)	-	-
TOTAL	**₹ 0.00**	**₹ 0.00**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHEDULE 17 - INTEREST EARNED	**2024-25**	**2023-24**
1. On Term Deposits:		
a) With Scheduled Banks	512,422,392	138,676,536
b) With Non-Scheduled Banks		-
c) With Institutions		-
d) Interest earned refunded MOH&FW		-
2. On Savings Accounts:		-
a) With Scheduled Banks		-
b) With Non-Scheduled Banks		-
c) Post Office Savings Accounts		-
d) Others		-
3. On Loans:		-
a) Employees/Staff	508,156	503,741
b) Others		
4. Inerest on Debtors and other Receivables		
TOTAL	**512,930,548**	**139,180,277**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHEDULE 18 - OTHER INCOME	2024-25	2023-24
1. Misc. Receipt	37,512,562	166,969,532
2. Misc. Estt. Receipts		-
3. Exam Section Receipt	1,687,500,132	1,686,449,925
4. Other Income	348,916,199	32,354,500
5. Research Other Income		
TOTAL	**2,073,928,892**	**1,885,773,956**

Accounts Officer **Financial Advisor**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHEDULE 20 - ESTABLISHMENT EXPENSES	**2024-25**	**2023-24**
Salaries and Wages	21,924,306,862	21,403,136,047
Travelling Allowance	80,731,943	57,429,032
Learning Resource Allowance	15,668,611	16,155,241
Contibution to Provident Fund		-
Staff Welfare Expenses (DLIS)		-
Expenses on Employees ":Retirement and Terminal Benefits"	3,086,643,831	2,691,708,595
Others	2,042,822,420	505,220,620
Leave Salary Pension Contribution		
Total	**27,150,173,667**	**24,673,649,535**

Accounts Officer **Financial Advisor**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
अखिल भारतीय आयुर्विज्ञान संस्थान
Schedules forming part of Income and Expenditure as on 31.03.2025

Amount in Rs.

SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.	**2025-25**	**2023-24**
a) Purchases of hospital stores others specify	2,209,328,445	1,916,190,377
b) Manpower Outsourcing Charges	3,368,127,183	3,538,606,015
c) Office Expenses	671,131,421	1,072,401,787
d) Electrictiy and power	1,088,625,652	1,136,455,592
e) Water charges	39,792,080	65,233,956
f) Insurance		2,125,690
g) Repairs and maintenance (AMC/CAMC)		123,142,148
h) Repairs and mainteance of Buildings	2,530,793,828	1,614,093,930
i) Rent, Rates and Taxes		84,572,484
j) Vehicles, Running and Maintenance		5,171,360
k) Postage, Telephone and Communication Charges		1,361,163
l) Printing and Stationary		1,121,385
m) Travelling and Conveyance Expenses	153,740,880	114,358,408
n) Expenses on Seminar/Workshops		-
p) Expenses on Fees		-
t) Provision for Bad and Doubtful Debts/Advances		-
u) Irrecoverable Balances Written-off		-
v) Other Expenses		-
w) Hostel		-
x) Bank Charges		436,481
y) Advertisement and Publicity		-
z) Others (specify)(Contingency charge)	902,635,303	282,853,042
Total	**10,964,174,792**	**9,958,123,818**

SCHEDULE 21B - Material and Supplies	**2024-25**	**2023-24**
Hospital stores M&S	6,288,363,973	6,052,481,603
Others M&S		20,000,000
Total	**6,288,363,973**	**6,072,481,603**

Accounts Officer **Financial Advisor**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
अखिल भारतीय आयुर्विज्ञान संस्थान
Schedules forming part of Income and Expenditure as on 31.03.2025

	(Amount in Rupees)	
SCHECULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.	**2024-25**	**2023-24**
	₹ 0.00	**₹ 0.00**

Amount in Rs.

SCHEDULE 23- INTEREST DEBIT/ BANK CHARGES	**2024-25**	**2023-24**
a) On fixed Loans		-
b) Bank Charges	1546	1,458
c) Transfer to the Ministry of Health and Family Welfare		-
Total	**1546**	**1,458**

Accounts Officer **Financial Advisor**

अखिल भारतीय आयुर्विज्ञान संस्थान

All India Institute of Medical Sciences

SCHEDULED 24

Accounting Policies and Notes forming part of Accounts

1. The Activities of the Institute is mainly funded from the grants from Government of India and Accounts of the Institute are prepared in accordance with Generally accepted Accounting principles.
2. The accounts have been prepared on cash basis i.e. on actual Receipt and Payments basis. However, depreciation has been charged on the assets acquired in FY 2024-2025. Computation of depreciation has been made on straight line method after taking into account the actual life of assets subtracting the salvage value of assets.
3. Consolidated final accounts of AIIMS New Delhi have been prepared for FY 2024-2025.
4. Interest figures also include interest earned on revenue receipts of the Institute.
5. No provisions for liability of Gratuity, pension and leave encashment etc have been made in the accounts as the grants from the Government of India are received for actual expenditure. The payment of Gratuity, pension and leave encashment etc are accounted in the accounts only at the time of actual payments.
6. No closing stock of Store and supplies at the end of accounting period is incorporated in the accounts as all expenditure on stores and supplies are treated as final expenditure at the time of payments in the accounts.
7. The Institute is exempt from Income Tax under Section 10 (23C) (iii) (ab) of Income Tax Act 1961. No provision of Income Tax is therefore made in accounts, as per guidelines of the Government to the Autonomous Bodies.
8. All Assets (Machinery Equipment, vehicles etc) funded from the grants for the Research projects are used for the activities of the Research projects and are not included in the assets of the Institute . Such Assets (Machinery& Equipments, vehicles etc,) are either returned to the funding agencies or used in the Departments after the completions of the projects as per sanction of the funding agencies.
9. A statement showing the expenditure made by various Project Investigators for Research Projects during 2024-25 and balance amount lying with the Institute as on 31-03-2025 is attached with the Accounts.
10. Advances for treatment under the packages were treated as revenue and expenditure incurred against those treatments was shown in expenditure. During the current year advances received against the packages for treatment are shown under the revolving fund and expenditure incurred against the revolving fund. Balances in the revolving fund shown as liability. The impact of these changes of accounting policy is not assessable and not significant.
11. Accounts for the year ended 31-03-2025 are prepared in the Uniform format and grouping and regrouping and classification, wherever necessary have been changed /adopted for better presentation or as per Audit Observation.
12. Assets of the Institute in every Departments/Centre's are physically verified once in year by the faculty/Officer nominated for the purpose and no significant /major deviations have been reported.
13. Stores and supplies of the Institute in every Departments/Centre's are physically verified once in year by the faculty/ officer nominated for the purpose and no significant /major deviations have been reported.
14. Institute is maintaining various Revolving funds for test/procedures required for patients care and same are included in the consolidated Accounts of the Institute.
15. Donations /receipts from various sources without any attached conditions are treated as income of the concerned centre or of Institute as the case may be.
16. All Accounting policies and Notes Forming Part of Accounts.

Accounts Officer **Financial Advisor** **Sr. Financial Advisor**

Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NEW DELHI

Receipts and payment account of General Provident Funds for the year 2024-25

Receipts	2024-25	2023-24	payment	2024-25	2023-24
Opening Balance	6,713,814.00	149,213,328.54	GPF Withdarwal	1,496,098,565.00	1,710,919,355.00
Opening MOD Balance	143,091,254.54		Investment during the year	1,160,000,000.00	279,999,999.00
Subscription /Receipts	896,884,300.00	1,027,200,437.46	Bank Charges	1,888.00	1,593.00
Interest (Bond/FDR)	603,422,270.00	480,520,998.00	Commission	0.00	0.00
Investment Maturity	1,242,276,526.00	340,699,997.00	Closing Balance	22,404,853.00	6,713,814.00
Mod Interest	12,070,023.00		Closing MOD Balance	225,952,881.54	
Total	**2,904,458,187.54**	**1,997,634,761.00**	**Total**	**2,904,458,187.54**	**1,997,634,761.00**

INCOME AND EXPENDITURE STATEMENT OF GENERAL PROVIDENT FUNDS OF AIIMS FOR THE FINANCIAL YEAR 2024-25

Expenditure	2024-25	2023-24	Income	2024-25	2023-24
Interest paid on Subscription	534,207,584.00	564,074,347	Interest received	603,422,270.00	480,520,998
Bank Charges	1,888	1,593	MOD Balance Interest Receiv	12,070,023.00	0
Commission	0	0	Add. Adj. of Subscription		
Excess of income over expenditure	81,282,821.00	0	Excess of Exp. Over income with Bank Charges	0	83,554,942
Total	**615,492,293.00**	**564,075,940.00**	**Total**	**615,492,293.00**	**564,075,940.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NEW DELHI

BALANCE SHEET OF GENERAL PROVIDENT FUNDS FOR THE AIIMS AS ON 31ST MARCH 2025

Liabilities	**2024-25**	**2023-24**	**Assets**	**2024-25**	**2023-24**
Opening Balance(GPF)	7,715,106,648.00	7,834,751,218.54	Investment Opening Balance	7,231,276,526.00	7,291,976,524.00
Opeing MOD Balance	143,091,254.54		Less : Correction SAR		
GPF Sub. Recd. During the year	896,884,300.00	1,027,200,437.46	Add: Investment made	1,160,000,000.00	279,999,999.00
Add: Interest Credited to GPF Account	534,207,584.00	564,074,347.00	Less : Investment Maturity	1,242,276,526.00	340,699,997.00
			Less : Difference in Investment Value		
Less: Withdrawal/Payment	1,496,098,565.00	1,710,919,355.00	Total	7,149,000,000.00	7,231,276,526.00
Less:Correction SAR			Cash Book Closing Balance	22,404,853.00	6,713,814.00
			Closing MOD Balance	225,952,881.54	
Less: Difference in Investment Value			Add : excess of expenditute over income during the year 23-24	477,116,308.00	393,561,366.00
			Add: excess of expenditure over income during the year		83,554,942.00
			Less: Income over expenditure	81,282,821.00	
Total	**7,793,191,221.54**	**7,715,106,648.00**	**Total**	**7,793,191,221.54**	**7,715,106,648.00**

13.2. Audit Report

Opinion of the Comptroller & Auditor General of India on the Accounts of All India Institute of Medical Sciences (AIIMS), New Delhi for the year ended 31st March 2025.

Opinion

We have audited the financial statements of All India Institute of Medical Sciences (AIIMS), New Delhi, which comprise the statement of financial position as at 31st March 2025, and the Income & Expenditure Account for the year then ended, and notes to the financial statements, including a summary of significant accounting policies under Section 19 (2) of the Comptroller and Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with section 18 (2) of the AIIMS Act, 1956. These financial statements include the accounts of Centres/units.

This Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions regarding compliance with the Law, Rules and Regulations (Propriety & Regularity) and efficiency cum performance aspects, etc., if any, are reported through inspection reports/CAG's audit reports separately.

In our opinion, the accompanying financial statements of AIIMS, read together with the accounting policies and Notes thereon and other matters mentioned in the Separate Audit Report, which follows, give a true and fair view of the financial position of AIIMS as at March 31st, 2025, and (of) its financial performance and its cash flows for the year then ended in accordance with uniform format of accounts.

Basis for Opinion

We conducted our audit in accordance with CAG's auditing regulations/standards/manuals/guidelines/guidance-notes/orders/circulars etc. Our responsibilities are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of AIIMS in accordance with ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified opinion.

Responsibilities of Management for the financial statements

The Governing Body of AIIMS is responsible for the preparation and fair presentation of the financial statements in accordance with uniform format of accounts, and for internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion in accordance with CAG's auditing regulations/standards/manuals/guidelines/guidance-notes/orders/circulars etc.

For and on behalf of C&AG of India

(Saurav Kumar Jaipuriyar)
Director General of Audit
(Central Expenditure)

Place: New Delhi
Date:

Separate Audit Report of All India Institute of Medical Sciences (AIIMS), New Delhi for the year ended 31st March 2025

A. Balance Sheet

A.1 Liability

A.1.1 Current Liability and Provisions (Schedule-7) - Rs 759.98 crore

A.1.1.1 National Cancer Institute (**NCI**) Jhajjar and DR. B.R.A. Institute Rotary Cancer Hospital (**Dr. BRAIRCH**) have depicted amount of Rs 4.63 crore and Rs 54.97 crore respectively in the Schedule-7 "Current Liabilities". However, these amounts pertain to various schemes and should have been booked under Schedule-3 "Earmarked/Endowment funds". This has resulted in overstatement of Current liabilities and understatement of Earmarked/Endowment Funds by Rs 59.60 crore.

This was pointed out in previous SAR. However, no corrective action has been taken by AIIMS. AIIMS in its reply has assured remedial action.

A.2 Assets

A.2.1 Current Assets, Loans & Advances etc. (Schedule-11) - Rs 3265.00 crore

A.2.1.1 An amount of Rs 53.24 crore (including interest of Rs 6.16 crore on advance in respect of Mother Child Block) was lying with M/s HITES as on 31.03.2024. The issue was pointed in the Management Letter (ML) on the accounts of 2023-24 that this amount was not reflected in the Current Assets as recoverable in its Accounts.

This has resulted in understatement of Current Assets and Current Liability (refundable to Ministry) by Rs 53.24 crore

A.2.1.2 Bank Reconciliation Statement (BRS) of bank account no. 10874584010 maintained by AIIMS (Main) reflected an amount totalling Rs 77.02 crore as cheque issued but not debited by the bank. These cheques were issued by AIIMS between the periods from 01.02.2010 to 07.09.2023 and were yet to be en-cashed by the receiver. As on 31.03.2025, all of these cheques had become time barred and could not be en-cashed. However, AIIMS did not cancel the above cheques and write back the above amount. This has resulted in understatement of Current Assets and Current Liability by Rs 77.02 crore.

B. Significant Accounting Policies & Notes to Accounts

B.1 Schedule 8 – Fixed Assets of the annual accounts of the AIIMS (Main) and other centres of the AIIMS disclosed assets valued at Rs 7793.97 crore as on 31 March 2025. However, an Assets Register, required to be maintained in Form GFR-22 under General Financial Rules (GFR) 2017 has been maintained by the AIIMS only for the assets acquired after the financial year 2020-21 onwards.

AIIMs replied that preparation of FAR for the period prior to 2020-21 was under process by physically earmarking each asset by the respective Departments/Centres. During the year, Assets worth Rs 80.41 pertaining to years prior to 2020-21 has been adjusted. All out efforts are being made to account for all assets.

In the absence of Assets Register for all the assets, the value of assets acquired prior to 2020-21, could not be verified in audit.

B.2 AIIMS started charging depreciation on fixed assets as disclosed in Schedule-8 from the financial year 2020-21 onwards and no depreciation has been charged on the fixed assets acquired prior to year 2020-21. This issue has featured in our comments since the year 2020-21 however, despite assurances, AIIMS has not taken any corrective measures and has not charged depreciation on the fixed assets acquired prior to the year 2020-21.

Further, Dr BRAIRCH has depicted nil depreciation being charged on the Fixed Assets of its Accounts.

Also, AIIMS (Main) & NDDTC Research Account has shown nil depreciation being deducted on Library Books and Plant Machinery & Equipment respectively.

AIIMS replied that all out efforts were being made to account for all assets.

B.3 It has been observed that the balance sheet prepared by AIIMS Main Centre does not conform to the prescribed format, resulting in deviations from standard financial reporting norms. Additionally, deposits and investments pertaining to earmarked funds—which are required to be disclosed separately in a dedicated schedule—have instead been clubbed with regular fixed deposits in the annual accounts.

Further, Subsidiary accounts of Research section viz. National Programme for Health Care of the Elderly (NPHCE) - Department of Geriatric Medicine, Endowment Funds and Donation accounts have not been consolidated in Annual Accounts of AIIMS.

AIIMs in its reply assured compliance.

B.4 Uniform Format of Accounts prescribes that the accounts of CABs shall be prepared on Accrual Basis. The format also requires the CABs to prepare Receipt and Payment account apart from the Balance Sheet and Income & Expenditure Accounts.

AIIMS has disclosed in the Significant Accounting Policies that it has been preparing its accounts on Cash Basis. Further it does not prepare a consolidated Receipt and Payment Accounts. Also, AIIMS Research section has not maintained Receipt & Payment A/C. This contravenes extant instructions issued by Ministry of Finance for preparation of accounts. Also, C&N Centre was not accounting for the interest on Normal FDR on accrual basis.

B.5 AIIMS deducted Rs 54.27 crore in Schedule 2 (Reserve & Surplus) in the Liability side of the Balance Sheet of the Consolidated Accounts. This should have suitably been disclosed in the Notes on Accounts.

C. General

C.1 Non production of records/information

AIIMS did not furnish the following information/records, in the absence of which, Audit could not certify the relevant figures in Annual Accounts:-

Centre/Schedule	Item	Amount in Rs
AIIMS (Main)		
Current Liabilities and Provision (Schedule 7)	Revolving Funds	10,08,55,243
	Hostels (Security Deposits)	1,56,70,72
	General Provident Fund (GPF)	2,28,06,076
	Custom Duty Account	2,03,66,172
	PD Account	1,41,53,908
	Misc Liabilities	15,56,75,849
Current Assets, Loans and Advances (Schedule 11)	RAN Revolving Umbrella Scheme (A/c No. 38345595812)	1,41,53,908
	PD Account details	1,87,71,709
	For Foreign purchase of Machinery &Equipment(PLAN)	389,86,08,080
	Advance payment to P&AO for purchase of Building Material	2,58,69,623
	Temporary Contingent Advance	7,85,77,346
	Private Firms for stores	1,36,46,482
	For Books & Journals	3,99,73,749
	M/s Blue Star Ltd.(for A/c works) for maintenance	2,51,15,148
	M/s Indraprastha for CNG Pipeline	1,04,05,000
	Delhi Jal Board for water and Sewerage at M. Moth,	11,70,32,373
	HSCC	381,06,34,232
	HITES	211,60,29,730
	Fixed Assets	191,61,00,875
	DMRC	8,16,55,929
	Electricity	7,88,35,384

JPNATC		
Current Liabilities and Provision (Schedule 7)	Advance received from Government agencies from patients	1,60,09,552
	Other Liabilities	1,06,91,324
Current Assets, Loans and Advances (Schedule 11)	Advance for Procurement – M&E Foreign Purchase	10,77,48,299
	Custom Duty Advance	2,17,92,190
C&N Centre		
Current Assets, Loans and Advances (Schedule 11)	Letter of Credit	5,31,49,281
	Advance against work	17,45,96,762
	Mach. & Equipment Trf from Ct patients account	4,90,25,000
RPCOS		
Current Liabilities and Provision (Schedule 7)	Interest earned on Reserve & Surplus	2,27,97,595
	NPS to be remitted	1,66,73,034
	EMD (Security Deposits)	1,16,91,582
Current Assets, Loans and Advances (Schedule 11)	M&E Foreign Purchases	3,66,55,195
	Custom Duty Advance:	2,02,02,614
NCI Jhajjar		
Reserve and Surplus (Schedule 2)	Deduction from excess of I&E acct.	1,29,18,416
Fixed Assets (Schedule 8)	deduction during the year	1,81,89,174
Research Section		
Earmarked/Endowment Funds (Schedule 3)	Earmarked/Endowment Funds	151,01,00,000

AIIMS replied that these were very old figures and continuously being carried forward and AIIMS was in the process to reconcile the same.

C.2 AIIMS does not provide for the retirement benefits of its staff as per actuarial valuation. This contravenes the provisions of AS-15. This was pointed out in previous year SARs but no corrective action has been taken by the AIIMS.

AIIMS replied that the projection of contingent liability was being worked out and the same will be provisioned for in next financial statement.

C.3 Cardiothoracic and Neurosciences Centre (**C&N**) Centre has maintained 2 bank accounts (one receipt account (A/c No. 10874584258) and one payment account (A/c No. 35892346181)) for CT Pts A/c (Earmarked Endowment Fund). Also, C&N Centre is maintaining Current Account (10874584576) & (10874584269) for Gamma Knife Fund and Angio Pts. Fund respectively. Moreover, C&N Centre is having Saving Account (10874584247). Scrutiny of Bank Reconciliation statements of these accounts revealed very old entries standing, dating back to 1992 in their accounts, for which no detail/status was available with the C&N Centre.

Further, Bank Reconciliation statements of AIIMS (Main) Grant A/c (39539069789), Director AIIMS (Mains) A/c (10874584010), JPNATC A/c (10874584951) and RPCOS Bank Account reflected very old entries standing, dating back to 2015 in these accounts, for which no detail/status was available.

These may be reconciled/adjusted.

C.4 NCI Jhajjar has not maintained Cash Book and Ledger Accounts. In the absence of Cash Book and Ledgers, accuracy of figure reflected in Administration Expenses and Grant-in-Aid of its Accounts could not be certified.

C.5 There are instances of difference of the figures of Fixed Deposits Receipt (FDR) included in the Current Assets and as per Bank Certificates of various Centres. Details are mentioned below:

(Amount in Rs)

Name of Centre	Customer No.	Amount of FDR included in the Current Assets	Amount of FDR as per Bank statement	Difference
Cardio Thoracic & Neuro Sciences Centre (**C&N Centre**)	80702776740	70,00,00,000	82,82,95,211.60	12,82,95,211.60
Jai Prakash Narayan Apex Trauma Centre (**JPNATC**)	80702910483	Nil	9,88,94,181.70	9,88,94,181.70
Centre for Dental Education and Research (**CDER**)		3,65,00,057	3,70,96,910	5,96,853
Rajendra Prasad Centre for Ophthalmic Sciences (**RPCOS**)	80702761473	33,77,65,908	60,07,00,519.80	26,29,34,611.80
AIIMS (Main) Grant	90608786254	10,06,36,75,248	10,64,54,53,027	58,17,77,779
AIIMS CA Account	80702761359	5,81,92,184	3,20,37,81,320	3,14,55,89,136
Total		**107,42,65,965**	**156,49,86,823.10**	**421,80,87,773.10**

AIIMS replied that the amount shown by audit as FDRs are not actually investments in FDRs. These are the amounts of Letter of Credits (LCs) opened during previous years against the liabilities for procurements from foreign countries. Before making the payments to the foreign vendor, bank keeps aside the amount and gave interest by treating these amounts as FDs till the settlement with the foreign vendor. Reconciling of the figure of these LCs with Bank is being conducted. Final figure of these LCs will be taken into the accounts after setting off the liabilities by the bank against these LCs.

The difference needs to be reconciled urgently.

C.6 Fixed Assets capitalized after 1st October has been depreciated fully and not on half yearly basis by NDDTC. This is in contravention to Income Tax Act & Uniform Format of Accounts for Central Autonomous Bodies (CABs).

AIIMS replied that the depreciation was charged as per AIIMS Depreciation Policy.

The reply is not tenable as the depreciation policy has not been disclosed in the accounts.

C.7 HLL Infra Services (HITES) Ltd. had been given advance to the tune of Rs 60 Crores for procurement of Machinery & Equipment. Out of which equipment amounting to Rs 5.46 Crores had been received and installed as on 31.03.2024. However, the same was not capitalised. Further, AIIMS did not provide status of remaining advance and the item wise details of the machinery/equipment installed. In the absence of the same audit could not quantify the exact amount of assets capitalised and depreciation thereon.

C.8 Earmarked Funds\Endowment Funds

AIIMS has depicted Earmarked/Endowment Funds of Rs 425.05 crore as on 31st March 2025. It maintains a separate detailed break-up the Fund. However, a summary of the same should be shown as an annexure to Schedule-3.

C.9 AIIMS did not prepare separate Accounts for Pension Fund & New Pension Scheme. The Accounts of Pension Fund & New Pension Scheme should be prepared separately and shown distinctly.

D. Management Letter

Deficiencies which have not been included in this Separate Audit Report have been brought to the notice of the Management through a Management Letter issued separately for remedial/corrective action.

E. Assessment of Internal Controls

(i) Adequacy of Internal Control System

a. AIIMS has been preparing its accounts on Cash Basis and Receipt and payment account is not prepared.

b. No Cash Books are maintained by the JPNATC, AIIMS (Main), NCI Jhajjar, Dr BRAIRCH and RPCOS for various accounts.

c. Lack of effective steps to adjust various advances which were outstanding for many years.

d. AIIMS was not maintaining fixed assets register as per the prescribed format for the assets acquired up to year 2019-20.

e. No depreciation has been charged on the fixed assets acquired prior to year 2020-21

f. Non availability of list of condemned items with accounts department indicates lack of internal coordination between accounts and store department of the institute.

g. 55 paras of external audit for the period from 1996-98 to 2021-22 were outstanding as on 31 March 2023.

h. Ledger Accounts not maintained by the NCI Jhajjar.

(ii) Adequacy of internal audit system

Details of total number of units planned and number of units actually audited by Internal Audit Wing during the year 2024-25 was not provided by AIIMS. There was no internal audit manual.

(iii) System of physical verification of Assets

As per Para 12 of the Significant Accounting Policy, physical verification was done once in a year, however, AIIMS could not provide any evidence regarding physical verification of fixed assets having been conducted for the year 2024-25.

(iv) System of physical verification of inventory

As per Para 13 of the Significant Accounting Policy, physical verification was done once in a year, however, AIIMS could not provide any evidence regarding physical verification of inventory like books and publications, stationery and other consumables having been conducted for the year 2024-25.

Regularity in payment of dues

As per accounts, no payments for over six months in respect of statutory dues were outstanding as on 31.03.2025.

F. Grant in Aid

During the year 2024-25, AIIMS received total Grant-in-Aid (GIA) of Rs 4,909.46 crores (GIA-Salary Rs 2,720.14 Crore, GIA-General Rs 1,689.32 crore, GIA-Capital Assets Rs 490 crore and SAP Rs 10.00 crore). Besides, AIIMS (NDDTC) also received Rs 22.50 crore (GIA-Salary), Rs 15.17 crore (GIA-General) and Rs 4.80 crore (GIA-Capital). In addition, AIIMS had Rs 189.10 crore as Opening Balance under GIA-Salary. Out of the total available grants of 5141.03 crore, AIIMS had utilized GIA of Rs 4,919.92 crores (GIA-Salary of Rs 2690.54 crore, GIA-General of Rs 1,689.32 crores, GIA-Capital Assets of Rs 490.00 crore, SAP of Rs 10.00 crore, GIA-General (NDDTC) of Rs 15.17 crore, GIA-Salary (NDDTC) of Rs 22.50 crore and GIA-Capital (NDDTC) of Rs 2.39 crore) during the year. AIIMS had transferred Rs 217.86 crore of unspent GIA-Salary from TSA to its saving account for the payment of the salary for the month of March 2025 to be paid in April 202and Rs 10.3 crore was unspent balance under salary since 2020-21 which was utilised during the year.