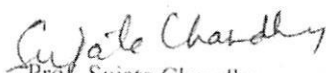
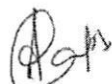




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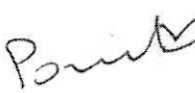
- It should have display capacity of at least 4 trend lines and 4 numerical display, optional physiology and physio-relationship screen.
- It should have the option of providing dedicated perioperative goal-directed therapy (PGDT) screens and analytics.
- It should have the option of connectivity with hospital information system.
- It must save data for at least 72 hours.
- Must have screen shot and data download facility through any USB stick.
- It should have an HDMI, USB & ETHERNET port for various connectivity.
- The specification is broad based, general in respect to the requirement and not pertaining to any firm/brand.
- The comprehensive warranty will be 5 years (including all spares and labour) from the date of satisfactory installation of the equipment.
- Rates for Comprehensive Annual Maintenance Contract (including all spares and labour for 6<sup>th</sup> to 10<sup>th</sup> year, after expiry of warranty period must also be quoted. Cost of spares, accessories and consumables should assure the supply of new consumables, if required.

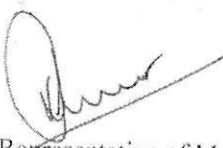
  
 Prof. Sujata Choudhary  
 Deptt. Of Anaesthesiology,  
 Safdarjung Hospital (Ext.  
 Expert)


  
 Prof. Akhilesh Gupta  
 Deptt. Of Anaesth.,  
 RML Hospital (Ext. Expert)

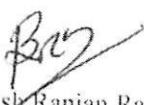
  
 Prof. Nitin Hayran  
 Deptt. of (Anaesth), Lady Harding Medical  
 College (DGHS Nominee)

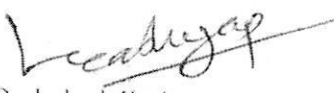
  
 Prof. Ganga Prasad,  
 Deptt. Of Anaesth.  
 Member

  
 Dr. Puneet Khanna  
 Deptt. Of Anaesth.  
 Member

  
 Representative of Med. Supdt.  
 Hosp. Admn.  
 Member

  
 Dr. Rahul  
 Deptt. Of Anaesthesiology.  
 Special Invitee

  
 Dr. Bikash Ranjan Ray  
 Deptt. Of Anaesthesiology.  
 Member-Secretary

  
 Dr. Lokesh Kashyap  
 HOD (Anaesth).  
 Chairman



# Arian Healthcare

4327/3, Flat No. 202, IInd Floor, Ansari Road, Darya Ganj, New Delhi-110002  
Tel. : 011-23250080, 011-49403689, Mobile : 9811140954  
E-mail : arianhealthcare@rediffmail.com; arianhealthcare@gmail.com

Ref.: AHC/AIIMS/2024-25

Dt.: 16.08.2024

The Prof & HOD  
Deptt. of Anaesthesiology,  
AIIMS, Ansari Nagar,  
New Delhi-110029

## Quotation for Hemosphere Advanced Hemodynamic Monitor

Sir,

As per your requirement, we are pleased to quote you our most competitive rates for the following product:

S. No.	Detail Of The Quoted Item	HSN Code	Qty.	Quoted Rates, Per Set In Rs.	Applicable GST Rate	Quoted Rates Per Set In Rs., Inclusive GST
1.	HEMI-HemoSphere advanced monitor	90189011	1 No.	23,44,533/-	12%	26,25,877.00
2.	HEMOXSC100-HemoSphere Oximetry cable	85444230	1 No.	2,87,500/-	18%	3,39,250.00
3.	HEMPSC100-HemoSphere Pressure Cable	85444230	2 Nos.	4,64,364/-	18%	10,95,899.00
4.	HPI001L-HPI (Software)	49070030	1 No.	3,00,300/-	18%	3,54,354.00
5.	HEMFMS10-ForeSight Module	90189011	1 No.	6,83,714/-	12%	7,65,760.00
6.	HEMTOM10-Tissue Oximetry	90189011	1 No.	1,37,844/-	12%	1,54,385.00
Total						53,35,525.00

(Total – Rupees Fifty Three Lakh Thirty Five Thousand Five Hundred Twenty Five Only)

### TERMS & CONDITIONS:

- 1) The above quoted price is FOR your stores.
- 2) The above quoted prices are inclusive of GST as mentioned against each item. In case of any statutory change in the GST rates, the same as applicable will be charged accordingly.
- 3) Delivery within 45 days after the receipt of your confirmed order.
- 4) Payment as per your terms & conditions.
- 5) Warranty period of 5 years. After that CAMC charges will be applicable.

डॉ. प्रदीप कुमार/Dr. Pradeep Kumar  
अवर प्राध्यापक/Associate Professor  
संवेदनहरणविभाग, पीडा निवारण एवं चिकित्सा केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.मा.आ.सं., नई दिल्ली/AIIMS, New Delhi-110029

संकाय प्रवर्ती (अमर)  
Faculty Incharge (Amr)  
संवेदनहरणविभाग, पीडा निवारण एवं चिकित्सा केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.मा.आ.सं., नई दिल्ली/AIIMS, New Delhi-110029

डॉ. राहुल कुमार अर/Dr. Rahul Kumar Arand  
अवर प्राध्यापक/Associate Professor  
संवेदनहरणविभाग, पीडा निवारण एवं चिकित्सा केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.मा.आ.सं., नई दिल्ली/AIIMS, New Delhi-110029

डॉ. नितिन हायर/Dr. Nitin Hayran  
डेंटिस्ट, नोमिनेट  
C.M.M.C.  
डॉ. अक्षित कृष्ण  
Ext. Export RML



# Arian Healthcare

4327/3, Flat No. 202, IInd Floor, Ansari Road, Darya Ganj, New Delhi-110002

Tel. : 011-23250080, 011-49403689, Mobile : 9811140954

E-mail : arianhealthcare@rediffmail.com; arianhealthcare@gmail.com

CAMC Charges for the next 5 years, after successful completion of Warranty, are as follows:-

	1 <sup>st</sup> Year (In Rs.)	2 <sup>nd</sup> Year (In Rs.)	3 <sup>rd</sup> Year (In Rs.)	4 <sup>th</sup> Year (In Rs.)	5 <sup>th</sup> Year (In Rs.)	Total (In Rs.)
CAMC Charges	2,66,776.00	2,66,776.00	2,66,776.00	2,66,776.00	2,66,776.00	13,33,880.00
GST %	18%	18%	18%	18%	18%	18%
Total With GST	3,14,796.00	3,14,796.00	3,14,796.00	3,14,796.00	3,14,796.00	15,73,980.00

- The above CAMC prices are inclusive of GST @ 18% but in case of any statutory change in the govt. policy we will request you for the amendment accordingly. The warranty & CAMC will be applicable only against any technical or manufacturing defects. It will not be applicable against any mishandling or patient bite.

We hope that you will find our offer most competitive and give us an opportunity to serve you. We assure you our best services & co-operation.

Thanking You,

Yours Faithfully,

For **Arian Healthcare**

(RAJEEV VERMA)

Prop.

Encl.:- Proprietary Certificates for the above product.

- Letter of Authority from M/s. Edwards Lifesciences (India) Pvt. Ltd.
- Product Catalogue of the quoted product.
- USFDA Certificate
- Fall Clause Certificate.

*(Signature)*

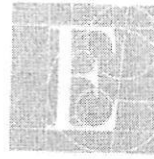
*(Signature)*  
Faculty Incharge (Store)  
संवेदनहरणविभाग, पीन मेडिसिन एवं क्रिटिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

*(Signature)*  
संवेदनहरणविभाग, पीन मेडिसिन एवं क्रिटिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

*(Signature)*  
अ.भा.आ.सं. / Additional Professor  
संवेदनहरणविभाग, पीन मेडिसिन एवं क्रिटिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029



14 March 2024



Edwards

Proprietary Article Certificate

To whom it may concern:

We hereby certify that Edwards Lifesciences LLC located at One Edwards Way, Irvine, CA 92614 USA is the sole legal manufacturer of the following device, Moreover, the expected clinical benefit as a package stands true & exclusive from the manufacturer.

Product Information	Technologies/Model no's approved in India
HemoSphere Advanced Monitoring Platform	HEM1, HEMSGM10, HEMOXSC100, HEMPSC100, HEMTOM10, HEMFSM10, HEMCSM10

**Clinical Benefit:**

The HemoSphere advanced monitoring platform allows you to see and interact with patient hemodynamic Parameters (invasive, minimally invasive & non-invasive) <sup>1</sup>. In conjunction with the compatible sensors and predictive decision support software <sup>2</sup>, the Modular <sup>3</sup> HemoSphere platform facilitates proactive clinical decision-making and insight for individualized patient care <sup>4</sup>.

1. Continuous CO & CI, ICI, RVEF, EDV, SV, SVI, SVR, SVRI, SVV, CVP, dP/dt, EDDyn, MAP, MPAP, PPV, PBI, SYSat/SYSpap, ScvO2, SvO2, Vo2, Vo2e, Vo2i, StO2, DiAart
2. HPI-Hypotension Prediction Index
3. HemoSphere Advanced Monitor with Swan-ganz Module, HemoSphere Advanced Monitor with Oximetry cable, HemoSphere Advanced Monitor with pressure cable, HemoSphere Advanced Monitor with HemoSphere Tissue Oximetry Module and ForeSight Elite Tissue Oximeter Module, HemoSphere Advanced Monitor with HemoSphere ClearSight Module
4. GDT-Goal-Directed Therapy

All the above statements are considered as reasonably comprehensive at the time based on using various sources of information to ensure the completeness of the information.

Sincerely,

Kevin  
Lam

Digitally signed by Kevin Lam  
DN: cn=Kevin Lam,  
email=Kevin.Lam@edwardsllc.com,  
Date: 2024.03.14 12:57:50 -0500

Name: Kevin Lam

Designation: Regulatory Affairs Director

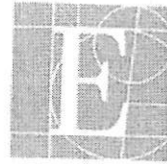
Edwards Lifesciences LLC

*[Signature]*  
डॉ. राहुल कुमार आनंद/Dr. Rahul Kumar Anand  
अपर प्राध्यापक/Additional Professor  
संवेदनशीलता, पीड़ा चिकित्सा एवं क्लिनिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
All India Institute of Medical Sciences, New Delhi-110029

PROPRIETARY DATA: This document and the information contained herein may not be reproduced, used, or disclosed without written permission from Edwards Lifesciences LLC.

*[Signature]*  
संकाय प्रभारी (अनुमोदक)  
Faculty Incharge (Stor)  
संवेदनशीलता, पीड़ा चिकित्सा एवं क्लिनिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
All India Institute of Medical Sciences, New Delhi-110029

*[Signature]*  
डॉ. पुनीत खन्ना/Dr. Punit Khanna  
अपर प्राध्यापक/Additional Professor  
संवेदनशीलता, पीड़ा चिकित्सा एवं क्लिनिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
All India Institute of Medical Sciences, New Delhi-110029



Edwards

July 26, 2024

To,  
The Director  
AIIMS  
Ansari Nagar Delhi

Dear Sir,

Sub: Letter of Authority to M/s Arian Healthcare for quoting & supplying

Ref: Minimally Invasive Advanced Hemodynamic cardiac output Monitor with FloTrac

This is with reference to the captioned subject. Please note that M/s Arian Healthcare having their office at 4327/3, Flat No. 202, IInd Floor, Ansari Road, Darya Ganj, New Delhi-110002 is the authorized distributor of Edwards Lifesciences (India) Private Limited having its registered office at 4th Floor, Commerz II, International Business Park, Oberoi Garden City, Off. Western Express Highway, Goregaon (East), Mumbai 400 063.

M/S Arian Healthcare is duly authorized to submit documents, receive purchase orders, making supplies etc. for the Edwards Critical Care range of products & Vascular range of products on our behalf to your esteemed Institute.

Further, please note that no other distributor is authorized to supplies etc. to your hospital on our behalf other than M/s Arian Healthcare.

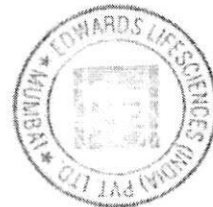
This authorisation letter valid from date of hereof until 31st December 2024, with a provision to extend the same further.

Please take note of the same.

Sincerely,  
For Edwards Lifesciences (India) Private Limited

Anil Kataria  
Director Sales & Marketing  
Critical Care and Vascular care India & SNE

Dr. Nitya Harnish Joshi  
Deval Joshi  
Finance Head



Cc: M/s Arian Healthcare

Dr. Anil Kataria  
Faculty Incharge  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
AIIMS, New Delhi-110029

Dr. Nitya Harnish Joshi  
Deval Joshi  
Finance Head

Dr. Akhilendra Gupta  
Ext. 6xport. RMC

Dr. Anand De Raha  
Ext. 6xport. RMC

Edwards Lifesciences (India) Private Limited  
Regd. Office: 4th Floor, Commerz II, International Business Park, Oberoi Garden City,  
Off. Western Express Highway, Goregaon (East), Mumbai 400063  
Tel: +91 22 61931301; Fax: +91 22 61931344  
Website: www.edwards.com; Email: customercare\_edwardsindia@edwards.com; CIN: U33110MH1996PTC145849

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**ANSARI NAGAR, NEW DELHI- 110 029.**

**PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE**

1.	Item/Type/Model No. Required Along with specification	Minimally Invasive Advanced Hemodynamic Monitor with FloTrac
a	Location of Installation	AB-8/ICU
2.	If the item a spare part attachment or Accessory for existing equipment	No
3.	Name of the manufacturers/supplier of the Item proposed by the indenter.	M/s Edwards Lifesciences LLC., through their distributor M/s Arian Healthcare
4.	Are the sole manufacturers/sole distributors of the item?	Proprietary Certificate and authorization submitted by M/s Edwards Lifesciences LLC
5.	If there any other item with similar/equipment specification available in the Market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured.	No.
6.	What were the efforts made to locate alternative source of supply or use other substitutes.	The required items are proprietary and as certified by the manufacturer with certificate is attached.
7.	Why open/limited tender can't be resorted to, for locating alternative source.	Proprietary item
8.	Are the proprietary items certifying that the rates are reasonable or not.	Yes.
9.	Any other justification for procuring item from single source.	Proprietary item , <i>Advanced technology</i>

I certified that the item at Sr.No.1 above is required to be procured on PAC basis as the source of supply is definitely known which is meeting with functional requirement of department and limited tender system could be dispensed with as they would serve no useful purpose in the particular case.

*BC*  
संकाय अनादी (नक्काश)  
Faculty Incharge (Store)  
अनुमोदन/अनुमोदित, पीन मेडिसिन एवं क्रिटिकल केयर विभाग  
Dept. of Anaesthesiology, Pain Medicine & Critical Care  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

*Doyle*  
Prof. Anil Kumar Gupta,  
Ext. Expend.

*Dr. N. N. Hingray*  
Prof. N. N. Hingray  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

*Dr. Anil Kumar Anand*  
Dr. Anil Kumar Anand  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029  
अ.पा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029



# Arian Healthcare

4327/3, Flat No. 202, IInd Floor, Ansari Road, Darya Ganj, New Delhi-110002  
Tel. : 011-23250080, 011-49403689, Mobile : 9811140954  
E-mail : arianhealthcare@rediffmail.com; arianhealthcare@gmail.com

Ref.: AHC/AIIMS/2024-25

Dt.: 16.08.2024

The Prof & HOD  
Deptt. of Anaesthesiology,  
AIIMS, Ansari Nagar,  
New Delhi-110029

## RATES OF CONSUMABLES FOR HEMOSPHERE ADVANCED HEMODYNAMIC MONITOR

S.No	Components	Product Description	HSN Code	Qty.	Rate in Rs.	GST%	Prices in Rs Including GST
1	MHD8	Flotrac Sensor	90189011	1	16500.00	12%	Rs. 18480.00
2	PXVP2260	VAMP Single Line	90183920	1	3235.00	12%	Rs. 3623.00
3	AIQS85	Acumen IQ Sensor	90189011	1	26335.00	12%	Rs. 29495.00
4	PX600F	DPT Dome	90183920	1	900.00	12%	Rs. 1008.00
5	XT248SP	Pediaset	90183920	1	23765.00	12%	Rs. 26617.00
6	FSESL	Foresight Large	90183920	1	8033.00	12%	Rs. 8997.00
7	FSESM	Foresight Medium	90189019	1	14283.00	12%	Rs. 15997.00
8	FSESS	Foresight Small	90189019	1	14283.00	12%	Rs. 15997.00
9	FSESNS	Foresight Neonate	90189019	1	15174.00	12%	Rs. 16995.00
10	831175p	Swan-Ganz Thermodilution	90183920	1	6325.00	12%	Rs. 7084.00
11	PXVP1072	Pressure Monitoring Set	90183920	1	4313.00	12%	Rs. 4831.00

### Terms & Conditions:-

1. The above quoted prices are F.O.R. your hospital.
2. The above quoted prices are inclusive of GST as mentioned against each item. In case of any statutory change in the GST rates, the same as applicable will be charged accordingly.
3. Delivery within 4-6 working weeks after the receipt of your confirmed order.
4. Payment as per your terms & conditions.

Thanking You,

Yours Faithfully,

For **Arian Healthcare**

(RAJEEV VERMA)  
Prop.

डॉ. सुरेश कुमार अग्रवाल / Dr. Suresh Kumar Agrawal  
अवर अध्यापक / Additional Professor  
संवेदनाहरणविज्ञान, पीडा चिकित्सा एवं गिरिजा केयर विभाग  
Deptt. of Anaesthesiology, Pain Medicine & Critical Care  
AIIMS, New Delhi-110029

संकाय प्रशासकी (नया) / Faculty Incharge (Store)  
संवेदनाहरणविज्ञान, पीडा चिकित्सा एवं गिरिजा केयर विभाग  
Deptt. of Anaesthesiology, Pain Medicine & Critical Care  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

डॉ. राहुल कुमार अग्रवाल / Dr. Rahul Kumar Anand  
अवर अध्यापक / Additional Professor  
संवेदनाहरणविज्ञान, पीडा चिकित्सा एवं गिरिजा केयर विभाग  
Deptt. of Anaesthesiology, Pain Medicine & Critical Care  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029





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Tel. : 011-23250080, 011-49403689, Mobile : 9811140954  
E-mail : arianhealthcare@rediffmail.com; arianhealthcare@gmail.com

Ref.: AHC/AIIMS/2024-25

Dt.: 16.08.2024

The Prof & HOD  
Deptt. of Anaesthesiology,  
AIIMS, Ansari Nagar,  
New Delhi-110029

Sub.: FALL CLAUSE CERTIFICATE

Dear Sir,

With reference to our quotation no. AHC/AIIMS/2024-25 Dt.16.08.2024 for the supply of **Hemosphere Advanced Hemodynamic Monitor**, we submit herewith that:

“The price charged for the stores/Equipment's under the reference, by the supplier shall in no event exceed the lowest price at which the supplier the stores/Equipments of same identical description to any other person/organization/Institution during the currency of the contract as per the fall clause adhered by DGS & D. If at any time, during the said period the supplier reduced the said prices of such/stores/equipments or sales such stores to any other person/Organizations/Govt. Institution/Co-operative stores at price lower than the quoted prices, he shall forthwith notify such reduction or sale to the Director, All India Institute of Medical sciences and the price payable for the items supplied after the date of coming force of such reduction or sale shall stand correspondingly reduced for AIIMS”.

Should you require any clarification then please feel free to contact us.

Thanking You,

Yours truly,

For **Arian Healthcare**

(Prop.)





# Arian Healthcare



4327/3, Flat No. 202, IInd Floor, Ansari Road, Darya Ganj, New Delhi-110002  
Tel. : 011-23250080, 011-49403689, Mobile : 9811140954  
E-mail : arianhealthcare@rediffmail.com; arianhealthcare@gmail.com

## UNDERTAKING

### TO WHOM SO EVER IT MAY CONCERN

I, Rajeev Verma prop. of M/s. Arian Healthcare, 4327/3, Satyam House, Flat No.202, 2nd Floor, Ansari Road, Darya Ganj, New Delhi -110002, do hereby undertake that the firm has not been de-registered/banned/blacklisted in the past by any Govt.; Central Govt. Ministeries/AIIMS, New Delhi or Private Organization & there is no Vigilance/CBI case pending against the firm/supplier.

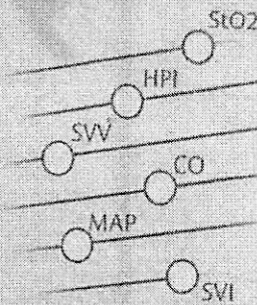
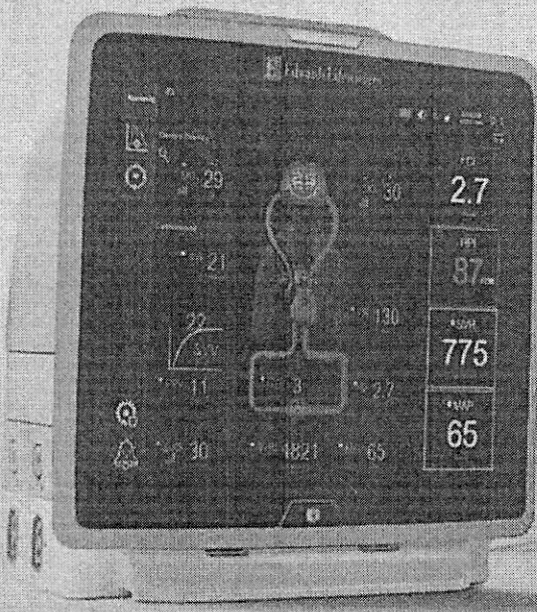
For **Arian Healthcare**

(Prop.)   


Dated: 16.08.2024

# Changing the pace of hemodynamics

Smart. Innovation.



HemoSphere advanced monitoring platform

*Puneet Khanna*  
 डॉ. पुनीत खन्ना / Dr. Puneet Khanna  
 अपर आचार्य / Additional Professor  
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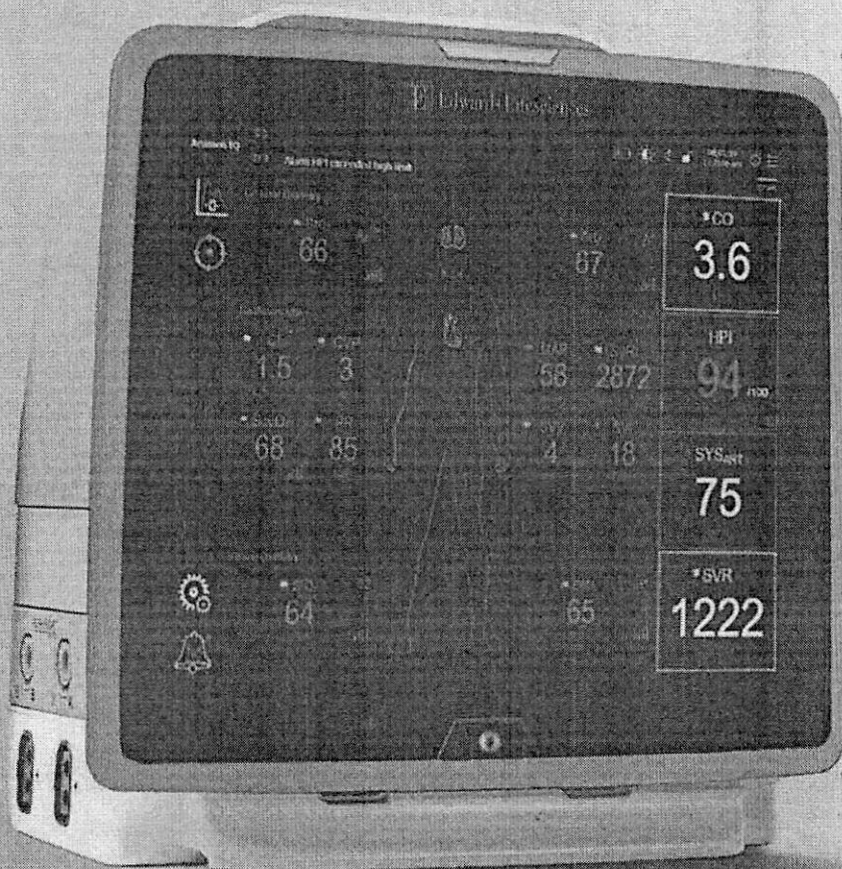
*Rahul Kumar*  
 सहायक प्रभारी (नियंत्रण)  
 Faculty Incharge (SIC)  
 संवेदनाहरणविज्ञान, पीडा चिकित्सा एवं क्लिनिकल केयर विभाग  
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*Rahul Kumar*  
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# The monitoring platform of the future.



HemoSphere advanced monitoring platform provides a comprehensive view of tissue oximetry and hemodynamics, giving you confidence in knowing that your patient has continuous oxygen saturation and is adequately perfused.

With a sleek and compact design and responsive touch screen navigation, this platform offers a unique visual monitoring experience. Visual and clinical decision support that can be used across acute care settings.

Dr. Rakesh Kumar Khanna  
Additional Professor  
Dept. of Anesthesiology, Pain Medicine & Critical Care  
A.I.I.M.S., New Delhi-110029

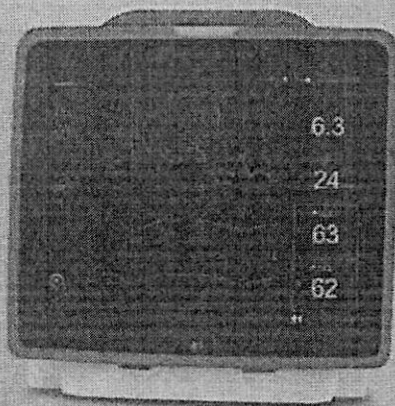
Dr. Rakesh Kumar Khanna (Signature)  
Faculty Incharge (SICU)  
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Dr. Rahul Kumar Anand (Signature)  
Additional Professor  
Dept. of Anesthesiology, Pain Medicine & Critical Care  
A.I.I.M.S., New Delhi-110029



# A comprehensive view of your patient, every step of the way.

For each clinical decision moment, HemoSphere advanced monitoring platform enables proactive decision support across a diversity of patient profiles and across care settings.



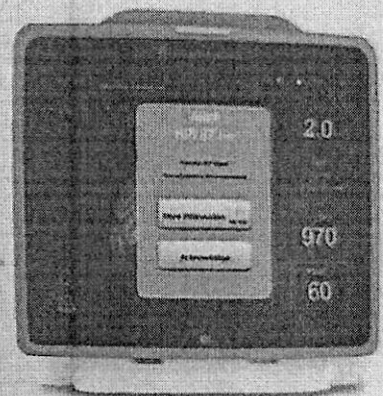
## Past trends

Allows you to select, place and track interventions over time while providing key trending data.



## Present data

Depicts continuous changes occurring in your patient by delivering visual and numeric parameters.



## Future insights

Acumen Hypotension Prediction Index software is a first-of-its-kind predictive decision support software that detects the likelihood of a patient trending toward a hypotensive event.\*

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Dr. Rahul Kumar Anand, Additional Professor, Dept. of Anaesthesiology, Pain Medicine & Critical Care, All India Institute of Medical Sciences (AIIMS), New Delhi-110029

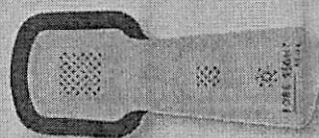
\*A hypotensive event is defined as MAP <65 mmHg for a duration of at least one minute

# Compatibility for individualized patient management.



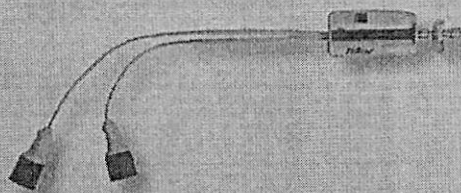
## Acumen IQ sensor

Part of the Acumen decision support suite, the Acumen Hypotension Prediction Index software is unlocked with the Acumen IQ sensor.



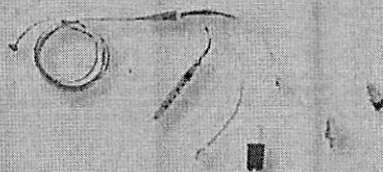
## ForeSight Elite tissue oximetry system

ForeSight Elite sensors deliver accurate performance and precision in tissue oximetry. Reliable, real-time monitoring of surgical patients provides decision support for detecting and managing hypoxic events as soon as they occur.



## FloTrac sensor

Delivers advanced pressure and flow hemodynamic parameters for managing perfusion. Offers continuous insight to determine patient's hemodynamic status. Seamlessly connects to any existing arterial catheter.



## Swan-Ganz pulmonary artery catheter

Gives you the clarity of a comprehensive hemodynamic profile delivered by a single catheter. It allows you to continually assess flow, pressure and oxygen delivery and consumption, to assist your early evaluation in your critically complex patients.

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# Proactive patient insights for smart recovery.

HemoSphere advanced monitoring platform offers advanced hemodynamic parameters that can help guide you with proactive decision support in a range of clinical situations and settings so you can maintain optimal patient perfusion.



## Cerebral and tissue desaturations

Research demonstrates that cerebral desaturations have been associated with post-operative neurocognitive disorders, increased length of stay in both the hospital and ICU, increased incidence of stroke, and decreased survival. Having a comprehensive picture of oxygen delivery and consumption may allow you to reduce the clinical implications of prolonged desaturations.

65  
mmHg

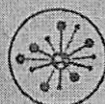
## Hypotension

Recent studies show associations between intraoperative hypotension (IOH) and increased risk of acute kidney injury (AKI) and myocardial injury, which is the leading cause of post-operative mortality within 30 days after surgery.<sup>1</sup> Early detection of hypotension by continuous hemodynamic monitoring can reduce a patient's risk.



## Hemodynamic instability

Continuous access to pressure and flow parameters help to determine patient fluid responsiveness and guide individualized patient management.



## Sepsis management

Severe sepsis and septic shock are among the most important causes of morbidity and mortality in patients admitted to the intensive care unit.<sup>2</sup> Access to cardiac output (CO) and stroke volume (SV) enables early detection and management of sepsis which is critical to improving survival rates and reducing the economic burden of sepsis.

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# Individualized patient care on a single platform.

HemoSphere advanced monitoring platform has the capability to provide the parameters you need for your patient's continuum of care. Its modular design enables the monitor to pair with different clinical settings all through a single platform.

	Non-invasive	Minimally-invasive	Invasive		
	ForeSight Elite sensor	Acumen IQ sensor	FloTrac sensor	Swan-Ganz catheter	Edwards oximetry CVC
StO <sub>2</sub>	•				
HPI		•			
Ea <sub>dyn</sub> (HPI)		•			
dP/dt (HPI)		•			
CO/CI		•	•	•	
SV/SVI		•	•	•	
SVV/PPV		•	•		
SVR/SVRI		•	•	•	
PVR/PVRI				•	
SvO <sub>2</sub>				•	
ScvO <sub>2</sub>					•
RVEF/EDV				•	
MAP		•	•		
PAP				•	
CVP				•	•

Know more. Know now.

Visit [edwards.com](http://edwards.com) or contact your Edwards' representative.

For more than 40 years, Edwards Lifesciences has been helping you make proactive clinical decisions in advancing the care of acutely ill patients across the continuum of care.

## References

1. Salmasi, V., Maheshwari, K., Yang, G., Mascha, E.J., Singh, A., Sessler, D.L., & Kurz, A. (2017). Relationship between intraoperative hypotension, defined by either reduction from baseline or absolute thresholds, and acute kidney injury and myocardial injury. *Anesthesiology*, 126(1), 47-65.
2. Mayr, F., Yende, S., Angus, D. (2014). *Epidemiology of severe sepsis*. Vol 5 Issue 1.

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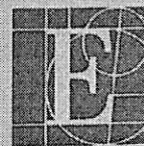
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Office of Regulatory Programs  
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WINONA, MN  
USA 55967

Contract Manufacturer

Measurement Specialties Chengdu  
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Huangjia Street, Shuangliu District  
Chengdu, Sichuan  
CHINA 610200

Contract Manufacturer

SUPERCOMAL MEDICAL PRODUCTS, SDN BHD  
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Name of Product(s)

Hemodynamic Monitoring Equipment  
64EKBB, 64EKD, 64EKD2, 64EKHH, 64EKLL, 64EKM, 64EKMN, 64EKNK1  
64EKGE2, 64EKSM2, 64EKSM3, 70AN, 70AND, 70AND2, 70AND3, 70AND4, 70ANH1  
70ANH1H5, 70ANH1L, 70ANM4, 70ANN, 70ANN2, 70ANNK  
70ANSS, 9850A, OM2, OM2E, HEMDPT1000  
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Contract Manufacturer

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4085 THEURER BLVD  
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Name of Product(s)

Vigileo Monitor and Accessories  
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MHM1, MHM1E, MHM1R (Refurbished), MHM1ER (Refurbished)

Vigilance II Continuous Cardiac Output/Oximetry/Volumetric Monitor and Accessories  
(Vigilance II Monitor)  
VIG2, VIG2AP, VIG2APK, VIG2E, VIG2S, VIG2SM  
VIG2ER (Refurbished), VIG2R (Refurbished)

EV1000 Clinical Platform  
EV1000A, EV1000DB, EV1000M, EVEC1, EVMB1  
EVFTCL, EVECL, EVPSA110, EVPSA110L, EVPS6220

EV1000 Clinical Platform NI  
EV1000CVR, EV1000M, EV1000NI  
EVEC1, EVEC12FT, EVEC3FT, EVECL, EVHRS, EVHRSBP, EVNIOBAC  
EVNIPCL12, EVNIPCL3, EVNIUPG, EVPMP  
PC2B, PC2CCC, PC2K, PC2CVR

HemoSphere Advanced Monitoring Platform  
HEM1, HEMQXSC100, HEMSGM10, HEMEXPM10, HEMLPWCD1000, HEMLTECHM10, HEMPS100  
HEMTOM10, HEMFSM10, HEMCSM10, HEMPC, HEMPC2K

FloTrac Pressure Cable—BeneVision  
PSC0EM100MR

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Huangjia Street, Shuangliu District

Chengdu, Sichuan

CHINA 610200

Name of Product(s)

ForeSight Elite Sensors

FSESL - ForeSight Elite Large Sensor

FSESM - ForeSight Elite Medium Sensor

FSESS - ForeSight Elite Small Sensor

FSESNS - ForeSight Elite Non-Adhesive Small Sensor

ForeSight Sensors

FSESL - ForeSight Large Sensor

FSESM - ForeSight Jr Medium Sensor

FSESS - ForeSight Jr Small Sensor

FSESNS - ForeSight Jr Non-Adhesive Small Sensor

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Name of Product(s)

Hemodynamic Monitoring Equipment

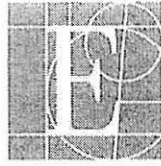
64EKGE1, 64EKH, 64EKSM, 64EKMM, 70ANH, 70ANHS, 70ANMS, 70ANMS, 70ANM7, 70ANS, 70CC2

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