

12 April 2017

Proprietary Certificate

To: Whom it may concern

Ref: TOPCON Pattern Scanning Laser, PASCAL

Topcon "PASCAL" pattern scanning laser is the world first true pattern scanning laser in the world that is utilizing 4 individual beam delivery system and 3 hi-speed galvano mirrors to deliver different treatment patterns precisely and efficiently. Much its design is also centred on patients safety.

Topcon Pattern Scanning Laser, PASCAL is the only laser in the world that incorporates the following technologies in its system:

- 1) PASCAL is the only scanning laser in the market with 3 high-speed galvanometers while the others employ 2 galvanometers. Having 3 advanced state-of-the-art galvanometers allow unparalleled accurate placement of laser spots with 1ms interval spacing between each spot.
- 2) PASCAL incorporates 4 independent 60,100,200 & 400 micron fibre to deliver precise burn, maintains a long and constant depth of focus for all spot sizes that guaranteed sharp edges for every spot with no hot spots within the laser lesions.
- 3) TOPCON propriety "End Point Management with Landmark Pattern" that allows for greater physician flexibility and control in providing therapeutically effective, vision-sparing treatment of retinal disease.
- 4) TOPCON "End Point Management with Landmark Pattern" is superior to Micropulse technology due to Landmark patterns providing visible indicators of the treated region and "one setting" interface.
- 5) Strong body of clinical evidence using PASCAL Pattern Scanning Laser Treatment in 532 nm and 577 nm wavelengths with more than 30 peer-reviewed clinical articles.

Yours Sincerely,

TOPCON CORPORATION



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