

ENDPOINT MANAGEMENT™

Patient Case

Central Serous Retinopathy

Physician: Dr. Daniel Lavinsky | Porto Alegre, Rio Grande do Sul, Brazil

Patient: 46 years old, male with decreased visual acuity since childhood due to nystagmus. Patient refused use of steroids or other medications.

Treatment Parameters:

Laser System: PASCAL Streamline (577nm)

Wavelength: 577 nm

Power: 120mW for titrated burn (100%)

Exposure: 15 ms

Spot Size: 200 μm

Spacing: 0.25 spot diameter

Lens: Area Centralis lens

Endpoint Management: On

EpM Setting: 30%

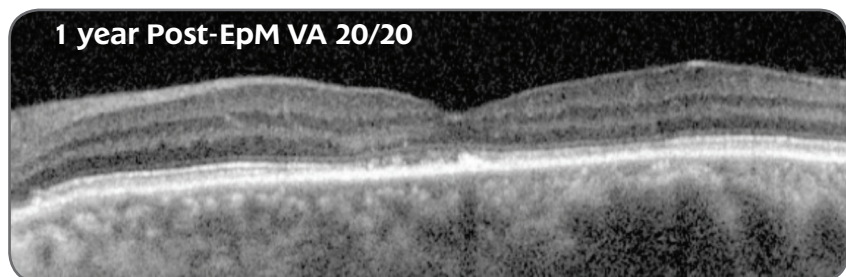
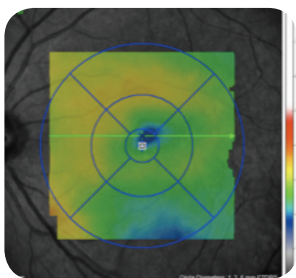
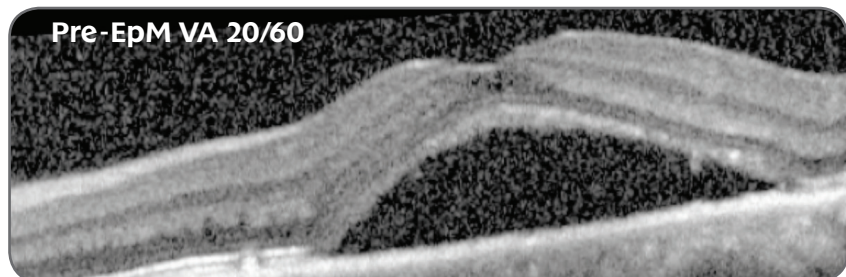
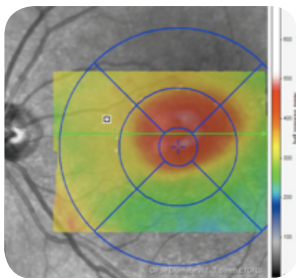
Pattern Selection: 4 x 4, 2 x 2, Macular Grid

Landmark: On (Macula Grid); Off (4x4 & 2x2)

Total Spots: 527 burns

Treatment Time: 3 Minutes

Number of Re-treatments: 1 at 2 months post initial treatment

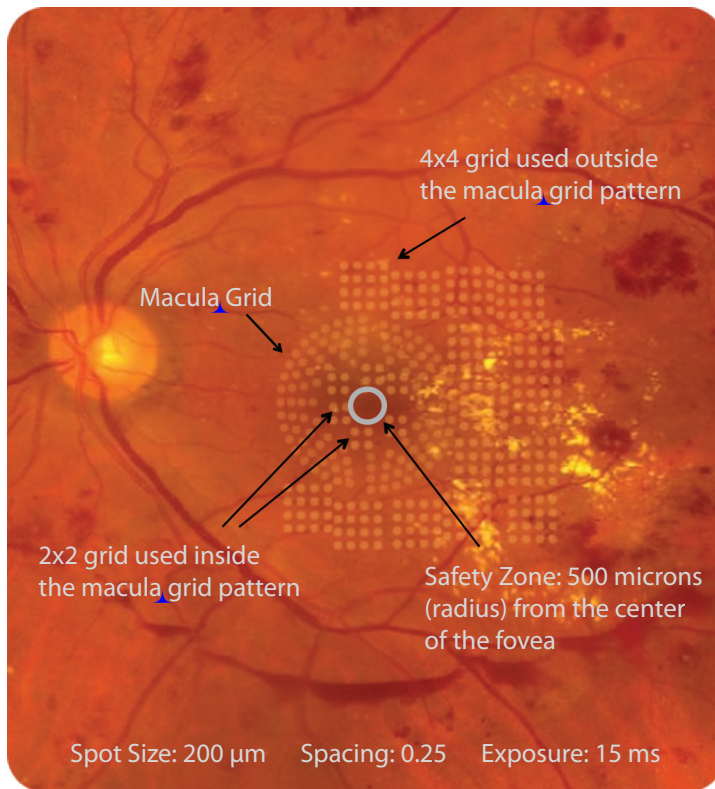


Techniques and Tips:

When treating CSR, Dr. Lavinsky treats more concisely at the area of leakage and RPE abnormality diagnosing with either fundus angiography or autofluorescence. When treating with EpM, Dr. Lavinsky first titrates using 120 mW of power and an exposure time of 15 ms to get a barely visible burn, outside the arcades. He titrates until he sees the first hint of a burn seen at about 3 seconds. He then adjusts the EpM settings to 30% on the PASCAL laser and begins treatment. For this particular case, **Dr. Lavinsky comments**, "If for some reason I end up treating the fovea, with these parameters I am confident that I am not causing damage to the photoreceptors. For that reason it is safe to treat him, even with his nystagmus condition."

EpM Treatment Area and Pattern Selection:

Image is not actual patient



The patterns on this fundus photo are shown to give the physician a visual reference of where the treatment was done. During actual Endpoint Management treatment, it is the physician's preference whether to treat with burns that are barely visible or completely invisible, with the exception of Landmark™ patterns (optional) that must be visible to demarcate the boundaries of the treatment pattern.

Patient case, parameters and techniques provided by the physician/author.

Topcon Medical Laser Systems assumes no responsibility for patient outcome or for physician oversight.



Endpoint Management is an optional upgrade on PASCAL Streamline and Synthesis lasers.

HEADQUARTERS

TOPCON MEDICAL LASER SYSTEMS, INC.

3130 Coronado Drive
Santa Clara, CA 95054 USA

Phone: +1 408.235.8200

Toll Free (USA only): 1.888.760.8657

Fax: +1 408.235.8259

Website: www.tmlsinc.com



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