

ENDPOINT MANAGEMENT™

Patient Case

Diabetic Macular Edema

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

Patient: 64 years old with Type 2 DM for over 20 years. Severe nonproliferative diabetic retinopathy with macular edema OU. Patient submitted to one intravitreal injection of Ranibuzumab. She had a panic attack during the procedure and refused additional injections.

Treatment Parameters:

Laser System: PASCAL® Laser System

Wavelength: 577 nm

Power: 120 mW for titrated burn (100%)

Exposure: 15 ms

Spot Size: 200 μm

Spacing: 0.25 spot diameter

Lens: Area Centralis lens

Endpoint Management: On

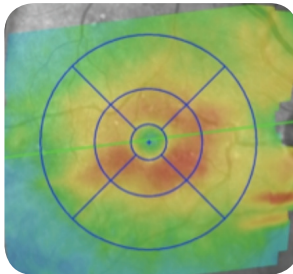
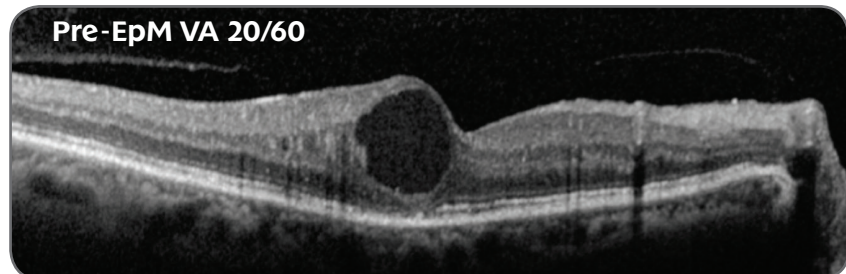
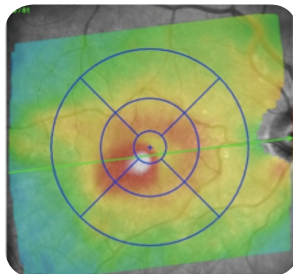
EpM Setting: 30%

Pattern Selection: 4 x 4, 2 x 2, Enhanced Octant

Landmark: On (Enhanced Octant); Off (4x4 & 2x2)

Total spots: 736

Treatment Time: 3 Minutes

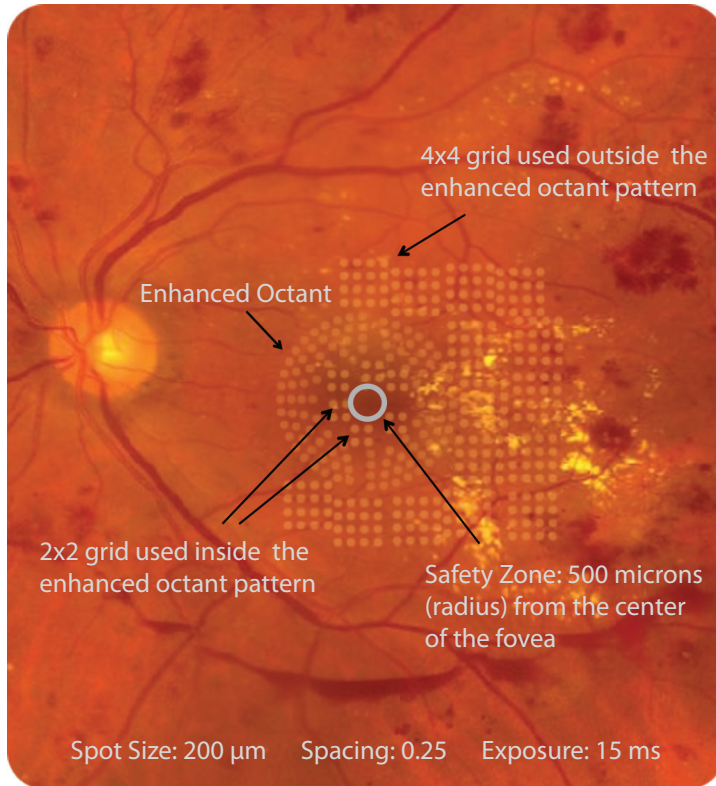


Techniques and Tips:

When treating inside the macula, Dr. Lavinsky uses the 2 x 2 grid and treats within 500 micron radius from the center of the fovea. 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. Titration is done until the first hint of a burn is seen after about 3 seconds. He adjusts the EpM settings to 30% on the PASCAL laser and then begins treatment. **Dr. Lavinsky comments,** "The patient is happy now and since she's avoiding injections, she's even happier. That's a good result!"

EM 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

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