

Diabetic Macular Edema

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

Patient: 54 years old, Severe non-proliferative diabetic retinopathy with macular edema

Treatment Parameters:

Laser System: PASCAL Streamline (577nm)

Wavelength: 577 nm

Power: 110mW for titrated burn (100%)

Exposure: 15 ms

Spot Size: 200 μm

Spacing: 0.25 spot diameter

Lens: Area Centralis lens

Endpoint Management: On

EM Setting: 30%

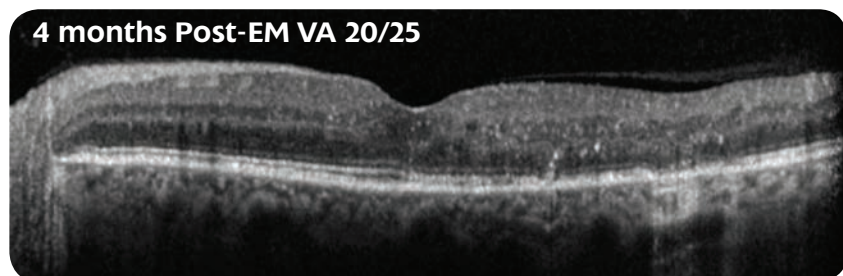
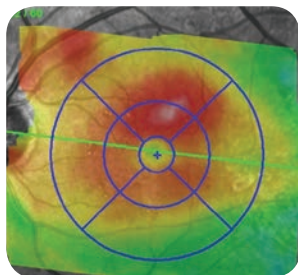
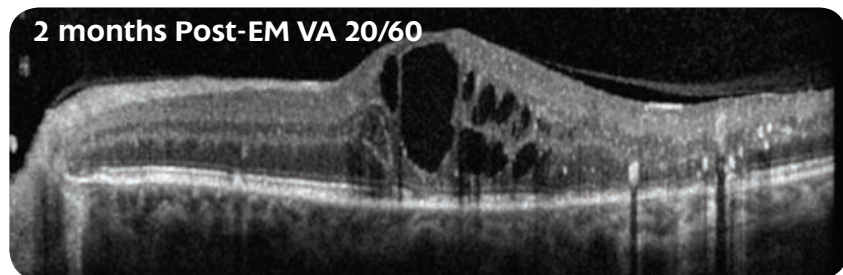
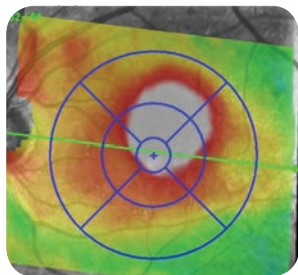
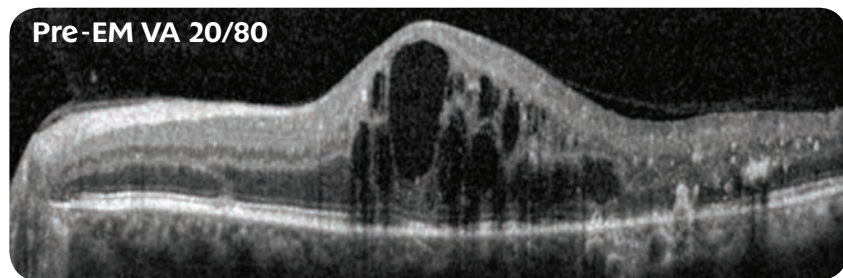
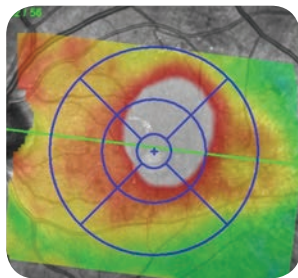
Pattern Selection: 4 x 4, 2 x 2, Macular Grid

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

Total spots: 768 burns

Treatment Time: 3 Minutes

Treatment Area: See page 2

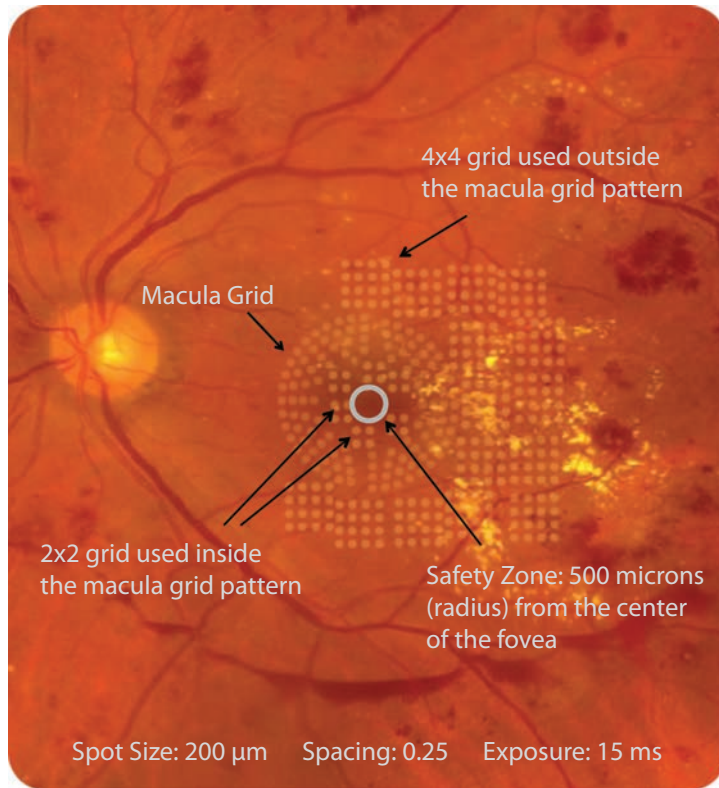


Techniques and Tips:

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. He usually titrates to apply a slightly more intense burn and then decreases by 10-20 mW to get a 100% barely visible burn, waiting 3 seconds before defining the lesion.

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 a physician's preference whether the burns are barely visible or completely invisible, with the exception of Landmark™ Patterns turned on.

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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