

## 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%

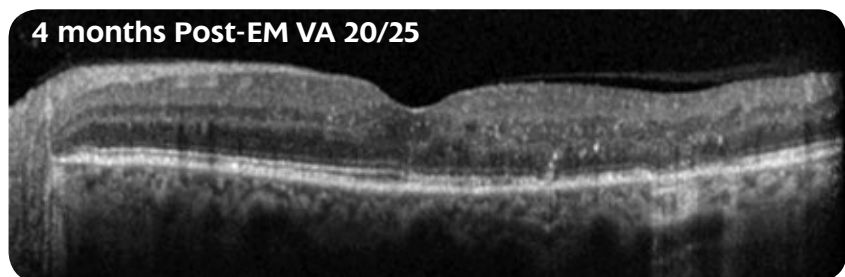
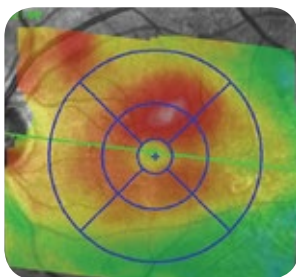
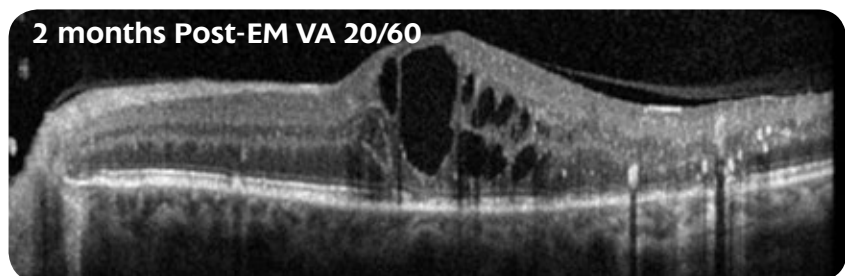
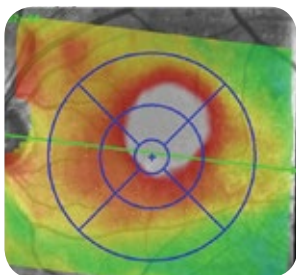
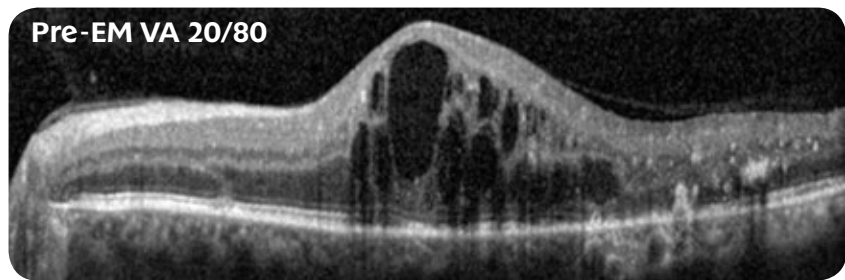
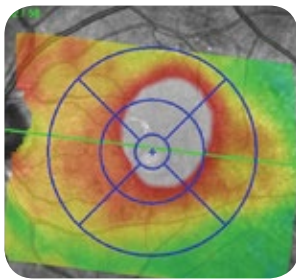
**Pattern Selection:** 4 x 4, 2 x 2, Enhanced Octant

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

**Total spots:** 768 burns

**Treatment Time:** 3 Minutes

**Treatment Area:** See page 2

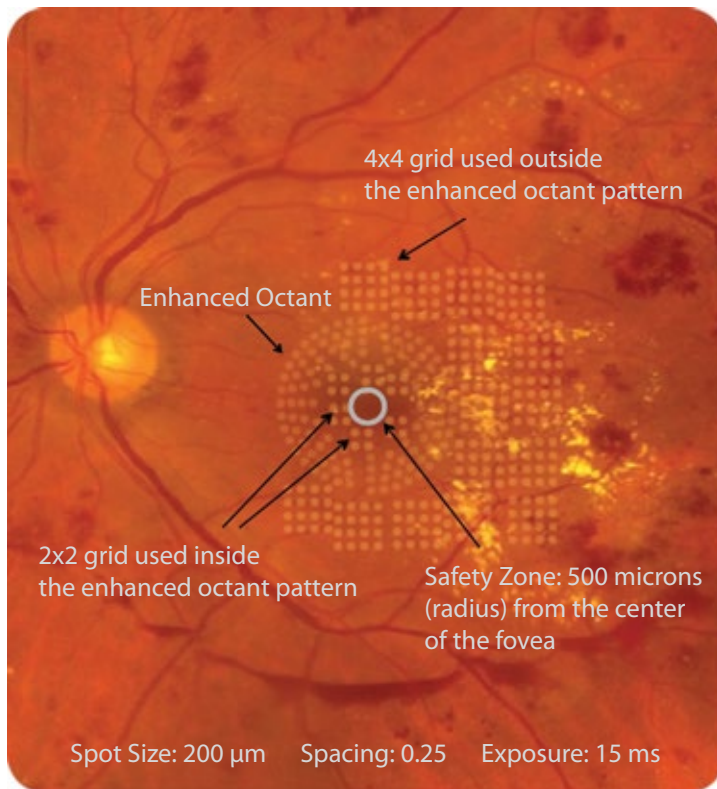


### Techniques and Tips:

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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