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.

*This physician case is for informational purposes only from Dr. Lavinsky and does not purport any treatment instructions for use by Topcon Medical Laser Systems, Inc.*
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.