

Supra Scan 577 – MicroPulse Treatment Guidelines

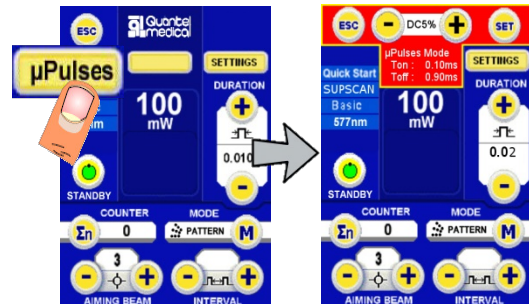
Treatment of Diabetic Macular Edema (DME)
and Central Serous Chorioretinopathy (CSCR)

Laser Settings:

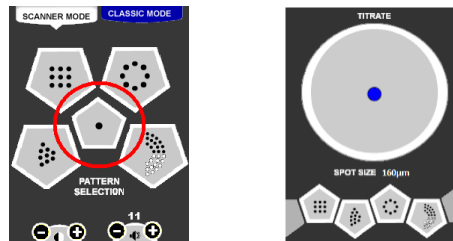
- Wavelength: **577nm**
- Spot Size: **160µm**
- Micropulse Mode / Duty Cycle: **5%**
- Exposure Time: **0,2s**

Recommended Laser Lens: Volk Area Centralis (0.94x)

First Step: Power level titration



A single spot is used to determine the thermal threshold of each patient.



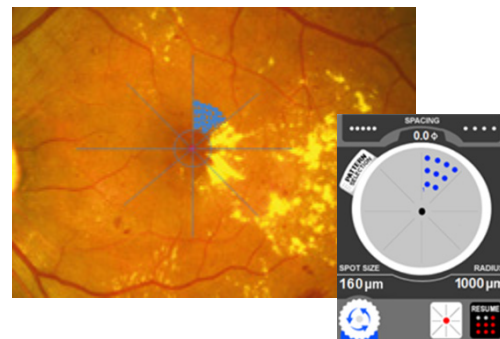
The power dose is evaluated in macular periphery **in a healthy area**.
Increase the power level until a **barely visible threshold burn** is observed
Reduce the power to **50% of the threshold power level** for treatment

Second Step: Use of the multispot delivery mode to implement the MicroPulse treatment

Macular Grid:

- Activation of the central fixation point
- Resume function activation (press the button for 1 second)
- Set the spacing to 0 (laser impacts must be confluent)

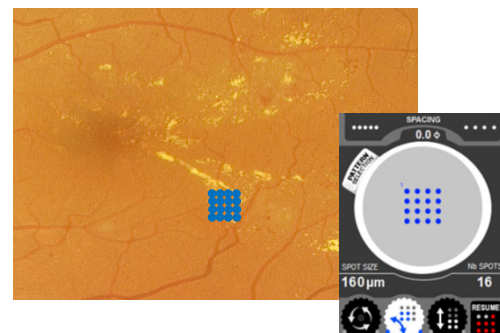
Deliver the burst of impacts in several times



Squares: (when the macular grid pattern cannot be used)

- Resume function activation (press the button for 1 second)
- Set the spacing to 0 (laser impacts must be confluent)

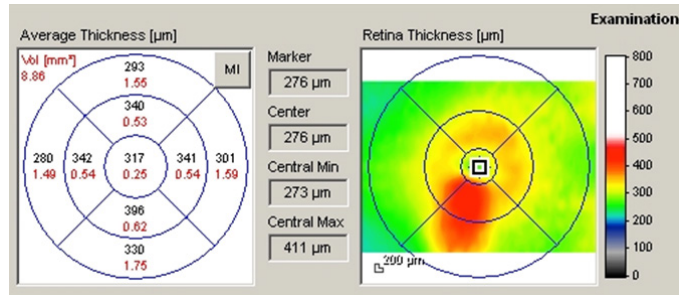
Deliver the burst of impacts in several times



Treatment of Diabetic Macular Edema (DME)

⇔ OCT guided treatment

Treatment of identified edematous areas



Non-center involved diabetic macular edema:

The MicroPulse treatment can be used alone.

It induces biological changes in the RPE microenvironment that close the micro-aneurysms and dry the edema.

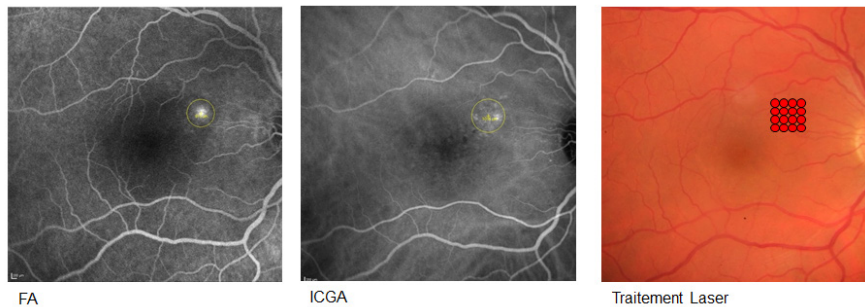
Center involved diabetic macular edema:

It is recommended to use the MicroPulse treatment in combination with an intravitreal therapy.

Treatment of Central Serous Chorioretinopathy (CRSC):

⇔ ICGA / FA guided treatment

Treatment of the Hyperfluorescent areas on mid-phase ICGA / „hot spots“ on mid-phase FA



Important:

During the treatment:

No visible reaction must be seen during the treatment

There is **no need to change power** with different degrees of edema

Laser impacts must be **confluent** (Dense treatment)

After the treatment:

Treatment Follow-up / Results at 3 months

Treatment can be repeated after 3 months