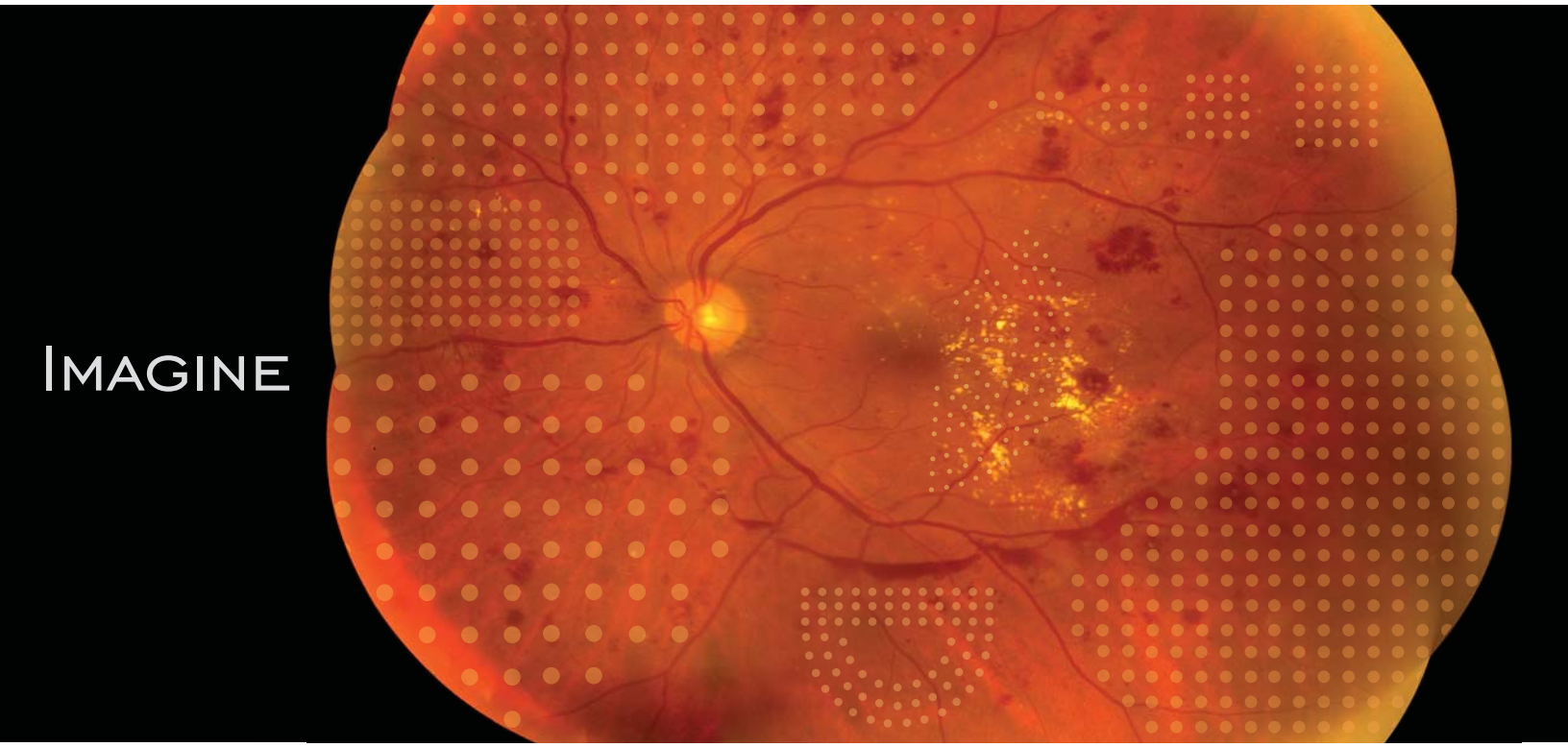
OptiMedica®



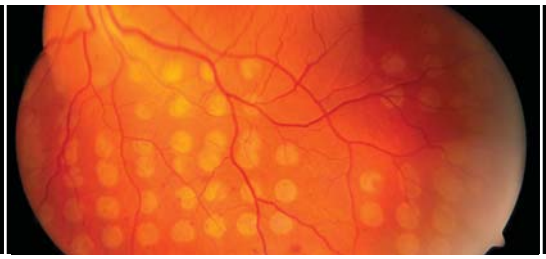
Introducing: PASCAL® Pattern Scan Laser Photocoagulator

The PASCAL® (Pattern Scan Laser) Photocoagulator is a fully integrated pattern scan laser system designed to treat retinal diseases using a single spot or a predetermined pattern array of up to 56 spots.

The PASCAL technology platform is based upon the use of a proprietary, semi-automated, pattern generation method employing short 532 nm laser pulses. These laser pulses are delivered in a rapid predetermined sequence resulting in improved precision, safety, patient comfort, and a significant reduction in treatment time compared with single-spot photocoagulation.

This fully integrated system incorporates several design advancements including:

- Intuitive touch screen user interface
- Pattern scanner technology
- Advanced optics slit lamp
- Slit lamp mounted micromanipulator
- Dual slit lamp mounted rotary power controls
- PrecisionSpot™ laser delivery
- LIO compatible
- Wheelchair accessible table
- Ergonomic features for physician and patient



Left image – Laser photocoagulation demarcation surrounding posterior retinal tear adjacent to retinal venule with sub-clinical retinal detachment in a patient with preceeding blunt trauma. These 400 micron burns were obtained using a combination of modified grid and 3x3 pattern arrays.

Right image – Pan retinal photocoagulation for proliferative diabetic retinopathy. These 600 micron burns were obtained by using a 3x3 array.

The PASCAL Method of photocoagulation allows delivery of a predetermined pattern by scanning the placement of the laser spots and controlling the emission of the laser light.

For maximum treatment efficiency, physicians can select up to five predetermined pattern types.

Single Spot

Square Arrays

- 2x2 to 5x5 spot pattern delivery per foot pedal depression

Circles/Arcs

- User variable radius and segment control

Macular Grid

- Pattern of 4 concentric rings totaling 56 spots encircle the fovea
- Smallest spot pattern diameter is greater than 2000 µm ("safety zone")
- Optional blinking fixation beam can be utilized to aid patient fixation

Modified Macular Grid

- Pattern subset of the Macular Grid with 4 concentric arcs

The Performance You've Always Wanted

For More Information Visit www.OptiMedica.com or Call 888.850.1230

Ophthalmologists can also use the PASCAL® Photocoagulator to perform all conventional photocoagulation treatments available with single spot mode.

OptiMedica's PASCAL Photocoagulator is intended for use in the treatment of ocular pathology. It is indicated for use in photocoagulation of both posterior and anterior segments including: pan-retinal, focal and macular grid photocoagulation.

The PASCAL Method can also be used for the vascular and structural abnormalities of the retina and choroid including:

- Proliferative and non proliferative diabetic retinopathy
- Choroidal neovascularization
- Branch and central retinal vein occlusion
- Age-related macular degeneration
- Lattice degeneration
- Retinal tears and detachments

In addition, the PASCAL Method can be used to perform:

- Iridotomy
- Iridectomy
- Trabeculoplasty in angle closure and open angle glaucoma

PASCAL applications include (CPT Code):

- Pan retinal photocoagulation (67228)
- Macular grid laser treatment (67210)
- Retinal tears (67105)
- Retinal detachment (67105 & 67145)
- Focal treatment of juxtafoveal choroidal neovascularization (67220)

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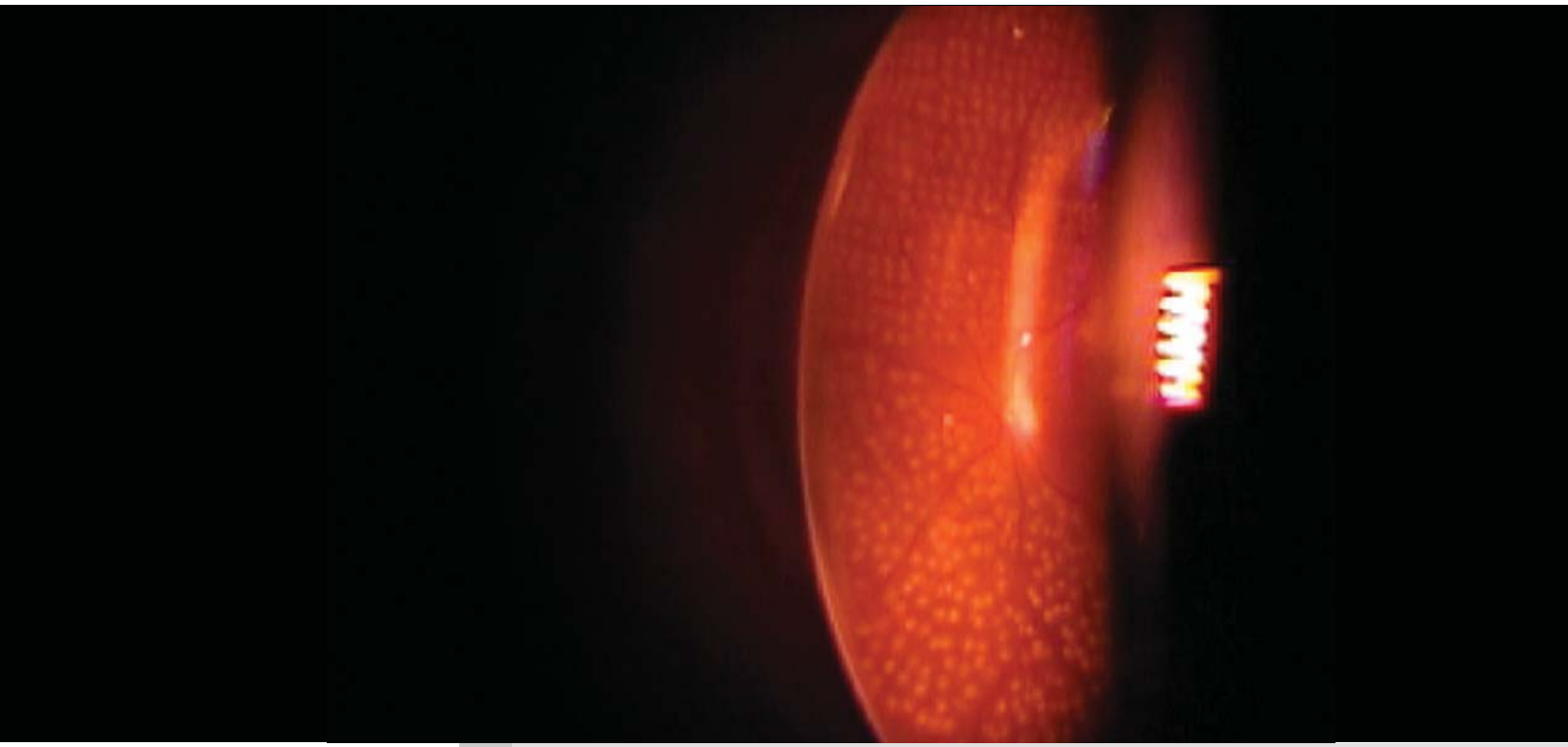

The PASCAL® Photocoagulator is designed to enhance the entire treatment experience for both physician and patient. From the wheelchair accessible table to the dual slit lamp mounted electronic micro-manipulators, OptiMedica has identified and implemented features that set PASCAL apart from conventional systems.

Complies with 21CFR 1040.10 and 21CFR 1040.11

CE 0044

Technical Features

Laser	Frequency-Doubled Nd : YAG Diode-Pumped Solid State
Wavelength	532 nm
Patterns	Single Spot, Square Arrays, Octants, Quadrants, Full and Modified Macular Grid, Triple Arcs, Arcs
Power	0 – 2000 mW delivered to corneal plane (in air)
Power Control	Dual slit lamp mounted controls and touch screen user interface
Treatment Pulse Durations	10 – 1000 ms
Aim Beam	630 – 650 nm diode laser
Aim Beam Power	Adjustable to < 1 mW
Delivered Spot Size	60, 100, 200 or 400 µm diameter at the corneal plane
Retinal Spot Size	Determined by the product of the spot size and the contact lens laser magnification factor
Pattern Position	Determined by joystick and electronic micromanipulator control
Graphic User Interface	Touch screen control panel display mounted on slit lamp table
Electronic Micromanipulator	Slit lamp mounted micromanipulator
Slit Lamp Table	Ergonomically designed and wheel chair accessible

Foot print	Approximately 36"x 48"x 30"
Height	User controlled (8" travel on table lift)
Elec. Power Requirement	110V, 50/60 Hz single phase, 5 amps
Cooling	Air cooled