NAVILAS®

NAVIGATED
LASER THERAPY

Retina Navigation

A new treatment paradigm

OD-OS has created Retina Navigation to set new standards in retinal photocoagulation. Retina Navigation is an innovative approach, integrating laser delivery and a real-time digital imaging device. Fundus images are acquired and annotated by the physician using a touch screen, creating a detailed treatment plan which becomes available as a live overlay on the retina during treatment. In this way, *NAVILAS®* fully integrates imaging, planning and treatment. This is Retina Navigation. As a result, *NAVILAS®* enables to improve accuracy, safety, speed and comfort in the laser treatment of retina disorders, combined with novel digital documentation capabilities.

Documentation to monitor and inform

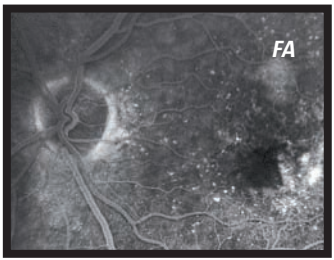
To support patient treatment documentation and post-treatment follow-up and analysis, the *NAVILAS®* system provides a customizable report editor incorporating the actual treatment location and laser spots applied. This allows for maximal transparency during and after treatment and assists the physician in decision making, patient information and education.

Image ease of use

Essential for treatment

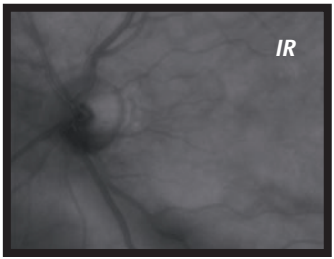
NAVILAS® offers continuous imaging modes vital for diagnosis, photocoagulation planning and assistance during subsequent treatment. Its digital screen displays true color fundus imaging, both mydratic and nonmydratic,as well as monochrome red-free, infrared imaging and fluorescein angiography.

Mydratic and Non-Mydratic



Fluorescein angiography

Red-free



IR image

Plan accurate and secure

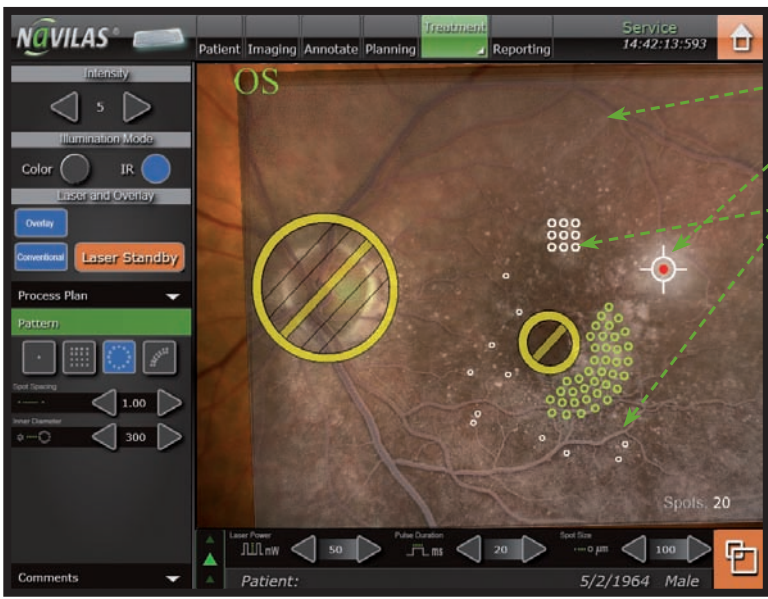
Layout your treatment strategy

With its integrated planning tools, *NAVILAS®* places the physician in ultimate control to graphically define and mark areas on the acquired retinal images for future treatment. These points of interest (POIs) are created and manipulated using the touch-sensitive screen, and can later be displayed and overlaid on the live fundus image during the actual treatment.

Treat fast and documented

Treatment accuracy refined

During treatment, the physician can continuously view previously acquired, pre-planned images including any points of interest (POIs), overlaid onto the real-time color image of the retina. This provides fast treatment using adjustable laser patterns and selectable single spot focal treatments. *NAVILAS*® also allows digital documentation of the laser spots applied.



Technical Specifications

Imaging

Field of view (static)	10 °; 30 °; 50 °
Field of view (dynamic)	110 °
Imaging Modes	Color/IR (Mydryatic & Non-Mydriatic), FA/Red-Free
Focus adjustment	+/- 15 Dpt

Overall Dimensions and Electrical Requirements

Height (floor to headrest)	1147 mm–1501 mm / 45"–59" (without cable and fixation target)
Depth	790 mm / 31"
Length	1190 mm / 47"
Electrical	100–120 V / 220–240 V, 50/60 Hz Single phase 10 A
Cooling	Air cooled

Treatment Laser

Aiming Beam	
Laser type	Diode laser
Laser class	II
Wavelength	635 nm Max. average power <1 mW

Photocoagulation Laser	
Laser type	Diode pumped, solid state frequency-doubled Nd:YVO
Wavelength	532 nm, laser class IV
Laser power	1200 mW

CE 0483

OD-OS
RETINA NAVIGATION COMPANY

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