The Navilas® Retina Laser Makes Microsecond Pulsing Treatment Predictable and Reproducible – Software Release 3.4

New functionalities of software release 3.4 for the Navilas® retina laser by OD-OS make the tissue-friendly treatment of retinal diseases using navigated microsecond laser pulses more intuitive, predictable and reproducible. Several studies have presented evidence on the effectiveness of navigated microsecond pulsing with Navilas®.

IRVINE, Calif. and TELTOW, Germany (PRWEB) June 07, 2018 -- OD-OS, the global leader in the development and commercialization of navigated retinal laser systems, has released a comprehensive software update for the unique computer-guided Navilas® 577s Laser System. New functionalities of software release 3.4 make the tissue-friendly treatment of retinal diseases using navigated microsecond laser pulses more intuitive, predictable and reproducible.

Several studies have presented evidence on the effectiveness of navigated microsecond pulsing with Navilas®, e.g. for treating focal leakage in chronic central serous chorioretinopathy (CSCR) 1-3.

“In a recent study, we have compared the effectiveness of navigated microsecond pulsing and photodynamic therapy in treating CSCR,” says Dr. Jay Chhablani from LV Prasad Eye Institute in India – a retina physician who had practiced retinal care at institutions in Europe, and the USA. “The results are the first to demonstrate that the use of navigated microsecond pulse laser therapy produces statistically significant improvements in treatment outcomes for eyes with CSCR. We have seen better visual acuity, a significant reduction in central macular thickness, and for almost 2/3 even complete resolution of the subretinal fluid. Therefore, this can be a cost-effective, less damaging therapy for CSCR cases.”

Tissue-friendly laser treatment with a train of extremely short microsecond pulses is an increasingly popular concept in retinal care. Rather than photocoagulation, this treatment aims to use photothermal stimulation for diseased retinal areas, preserving cell function and avoiding retinal scarring. More and more retinal physicians are integrating this approach in their daily clinical routines, and many patients are becoming aware of this gentle treatment option.

The Navilas® 577s software release 3.4 offers enhanced digital visualization for handling combined navigated microsecond pulsing and photocoagulation treatment plans, thus enhancing the unique capabilities of tissue-friendly care with Navilas®:

- Digital pre-planning on almost any diagnostic image (OCT-A, OCT, FA etc.)
- Target-assisted laser delivery with regular spacing and confluent coverage
- Digital documentation to assess treatment effects and, if necessary, re-treat the same area

Watch video: [https://www.youtube.com/watch?v=JMDFCAP4rQ8](https://www.youtube.com/watch?v=JMDFCAP4rQ8)

“Since the launch of the compact Navilas® 577s Laser System, we have seen true excitement from retinal experts in the market. We’re glad that we have brought a new paradigm of retinal laser care to routine use in many renowned clinics and private practices worldwide,” said OD-OS Managing Director Dr. Winfried Teiwes. “With this software release, we demonstrate our commitment to continued development and optimization of this novel digital technology with the goal to offer highly accurate and efficient laser application at enhanced
patient comfort.”

About Navilas®: Navilas® laser systems enable physicians to digitally pre-plan the entire laser therapy on fundus images as well as on third-party diagnostic images, and to precisely execute this therapy plan with the help of computer guidance. Unlike any other retina laser, Navilas® offers focal treatments without a contact lens and infrared illumination for more patient comfort. A large field of view and assisted pattern positioning greatly improve speed in panretinal and focal treatments.

About OD-OS: OD-OS GmbH, a privately-held medical device company founded in 2008 with offices in Teltow, Germany, and Irvine, CA, is dedicated to the development and commercialization of navigated imaging and laser treatment technology used to facilitate the advanced treatment of retinal eye diseases, many of which may lead to permanent blindness. Visit www.od-os.com for more details.

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