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Alcon Launches LASIK Innovations with New Planning Software and Patient Interface for the WaveLight® Refractive Suite

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Alcon recently launched two additions to its WaveLight® Refractive Suite to further support LASIK surgery performance and results. The PHORCIDES* Analytic Engine diagnostic software, designed to help analyze and confirm the topographic treatment for an eye in CONTOURA® Vision, allows surgeons to calculate the optimal sphere and cylinder treatment. To improve clinical workflow, Alcon also redesigned and released a more compact and efficient patient interface for the WAVELIGHT® FS200. The EASYPACK™ PATIENT INTERFACE optimizes outcomes and further streamlines efficiencies during the WaveLight® LASIK procedure.

“As part of Alcon’s dedication to excellence, we are continuously building on our technologies to make the surgical experience better and more consistent – from treatment decision planning and validation, to procedural execution and results,” said Jim Di Filippo, Vice President and General Manager, U.S. Surgical, Alcon. “These latest offerings work synergistically with our established refractive systems to make them even more efficient and effective for patients and surgeons.”

Since its launch in 2015 as the first personalized topography-guided LASIK technology, CONTOURA® Vision has provided a successful and differentiated approach to correcting topographical irregularities on the corneal surface, making LASIK an option for more patients. The new PHORCIDES Analytic Engine was designed as a complementary, functional planning tool to make CONTOURA® Vision treatment calculations easier and more precise. It utilizes and integrates advanced algorithms, optical physics and differential geometry to compute ideal sphere and cylinder treatment for CONTOURA® VISION. Furthermore, it combines information from multiple diagnostic devices to arrive at a recommended plan. Together, the PHORCIDES Analytic Engine and CONTOURA® VISION capture the most enhanced corneal profile available – allowing surgeons to more accurately determine and execute a highly individualized treatment for each patient and potentially improve LASIK visual outcomes.

“Every time I use CONTOURA® VISION, I use the PHORCIDES Analytic Engine because I know it increases the likelihood of getting the treatment right the first time for each patient,” said Parag A. Majmudar, M.D., corneal and refractive surgery specialist with Chicago Cornea Consultants in Illinois. “This planning tool is an incredibly powerful technology that helps surgeons deliver the best possible refractive outcomes and achieve our ultimate goal of helping patients see better.”

In addition, the new WAVELIGHT® FS200 EASYPACK™ PATIENT INTERFACE also optimizes clinical efficiencies by simplifying processes in the operating room. Its unique ergonomic and ecological advantages include:

- Smaller and lighter packaging that reduces needed storage space, with less waste compared to its predecessor;
- Touchless unpacking of the applanation cone, suction ring and tubings enabled by a special package design, supporting improved sterile parts handling;
- Reduction of sterile packaging to only one blister, eliminating need for double unpacking and saving time for clinic staff;
- An optimized outer cardboard box that includes the FemtoCard inside, to help prevent loss of the card; and
- A new material for the suction ring tubing that is more flexible and provides smoother handling for docking procedure support.

More information about the PHORCIDES Analytic Engine is available at <http://phorcides.com>. For further details about the WAVELIGHT® FS200 EASYPACK™ PATIENT INTERFACE, visit <https://www.myalcon.com>.

**PHORCIDES is a trademark of Phorcides, LLC*

Important Information about WaveLight® Femtosecond and Excimer Lasers

The WaveLight® femtosecond and excimer laser systems are medical devices that are indicated for use in performing laser-assisted in-situ keratomileusis (LASIK) and photorefractive keratectomy (PRK) procedures to correct certain kinds of nearsightedness (myopia), farsightedness (hyperopia), and astigmatism. Only doctors who have been trained in laser refractive surgery (including laser calibration and operation) should use a WaveLight® technology.

The most common risks of refractive laser vision correction surgery include dry eye syndrome; the possible need for glasses or contact lenses after surgery; visual symptoms including halos, glare, starbursts, and double vision; and loss of vision.