For Immediate Release

News

Abbott Receives CE Mark for iDesign Advanced WaveScan Studio Aberrometer

iDesign is the industry’s most advanced, high-definition measurement device for wavefront-guided LASIK procedures.

MILAN, Italy, September 8, 2012 – Abbott announced today it has obtained European CE Mark for the iDesign Advanced WaveScan Studio aberrometer, a next-generation diagnostic tool for mapping and analyzing corneal aberrations in the eye for wavefront-guided LASIK procedures.

The iDesign system measurement makes an individual “blueprint” of the eyes, mapping the imperfections and creating a treatment plan. Once a corneal flap is created using the iFS Femtosecond laser, this iDesign treatment plan is then executed using the STAR S4 IR Excimer Laser system for a computer-driven custom laser correction, unique to each patient.

"The approval of the iDesign Advanced WaveScan Studio in Europe further enhances the three-step iLASIK process to set a new standard for laser vision correction," said Jim Mazzo, senior vice president, Abbott Medical Optics. "Since the introduction of Abbott’s iLASIK technologies, organizations with the highest standards for safety and visual acuity, including the U.S. Military and NASA, have embraced these for their most elite personnel, including sharpshooters, fighter pilots and astronauts because of our exclusive, validated safety and precision performance."

The iDesign system offers high-definition measurements and state-of-the-art technology benefits including:

- Precise alignment for more accurate, customized corneal and wavefront measurement;
- Five diagnostic ocular measurements within a single capture sequence that determine the eye’s refractive error, wavefront error, corneal topography and curvature, and pupil size, providing a more efficient workflow for the physician;

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• A higher-definition wavefront sensor that can detect and map highly aberrated corneas, maximizing ocular capture rates and potentially expanding the pool of patients who may qualify for wavefront-guided LASIK procedures; and
• Improved ease-of-use for the physician through an enhanced graphical interface with advanced video target aids and onscreen tools.

"The iDesign aberrometer represents a new and exciting direction for diagnostic devices in the world of refractive surgery," said Steve Schallhorn, M.D., Global Medical Director of Optical Express. "Accurately measuring many important parameters of the eye not only maximizes clinical efficiency for the physician, but also allows patients with highly blurred or distorted vision, the benefits of a truly customized, wavefront guided LASIK procedure."

The iDesign Advanced WaveScan Studio aberrometer was tested in a clinical study for patient safety and effectiveness with positive outcomes.

"We were extremely pleased with the operation of the iDesign aberrometer, and patients treated in the clinical study, where it was used to map their eyes, were some of the most satisfied patients we've seen to date," said Bruce Jackson, M.D. clinical investigator, University of Ottawa Eye Institute. "The iDesign Advanced WaveScan Studio also allows physicians to capture a wider range of myopic patients than any other aberrometer in my experience."

Clinical trials to support United States registration for the iDesign Advanced WaveScan Studio aberrometer have recently commenced at several sites across the country.

About Abbott Medical Optics (AMO)
Abbott Medical Optics is focused on delivering life-improving vision technologies to people of all ages. The company offers a comprehensive portfolio of cataract, refractive and eye care products. Products in the cataract line include monofocal and multifocal intraocular lenses (IOLs), phacoemulsification systems, viscoelastics, and related products used in ocular surgery. Products in the refractive line include wavefront diagnostic devices, femtosecond lasers and associated patient interface devices; excimer laser vision correction systems and treatment cards. Products in the eye care line include disinfecting solutions, enzymatic cleaners, lens rewetting drops and artificial tears.

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For more information, please visit www.abbottmedicaloptics.com.

About Abbott
Abbott is a global, broad-based health care company devoted to the discovery, development, manufacture and marketing of pharmaceuticals and medical products, including nutritionals, devices and diagnostics. The company employs approximately 90,000 people and markets its products in more than 130 countries.

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