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Texas Eye and Laser Center Now Offers ***iDESIGN Advanced WaveScan Studio*** System for a Precise, Personalized LASIK Vision Treatment

Sensor technology behind the ***iDESIGN Advanced WaveScan Studio (iDESIGN)*** System also used in NASA's James Webb Space Telescope

Hurst, Texas – 10/13/17 – Texas Eye and Laser Center has become one of the first ophthalmology practices in the Ft. Worth area to offer LASIK surgery using the ***iDESIGN*** System. Recently approved by the FDA, the system generates a high-definition scan of the eye 25 times more precise than traditional methods used to measure and correct vision. It acts as the "brain" of the LASIK procedure measuring and mapping irregularities of the eye that may impact vision, and then creating a personalized LASIK treatment plan based on the unique refractive "blueprint" of each person's eyes.

The ***iDESIGN*** System captures more than 1,200 data points of the eye, as well as identifying the shape of the cornea, its curvature, how light passes through the eye and pupil diameter under different lighting conditions – in one, three-second scan that can be used to precisely correct vision. This system is also approved to treat patients 18 years or older with mixed astigmatism that is measured by the iDesign System where the magnitude of cylinder 1.0-5.0 Diopters is greater than the magnitude of the sphere, and the cylinder and sphere have opposite signs. We are now able to treat more patients and achieve the outcomes patients expect.

In the clinical study for the ***iDESIGN*** System, 99 percent of patients experienced little or no difficulty with the clarity of their vision and 97 percent of patients were satisfied with their vision after surgery. In addition, 93 percent of patients had little to no difficulty driving at night.¹

"The same technology used to measure the accuracy of mirrors in NASA's James Webb Space Telescope has now been applied to the eye with the ***iDESIGN*** System, allowing me to take precise measurements prior to LASIK treatment," said Dr. Brian Ranelle and Dr. Jerry Hu. "We are excited to be one of the first practices in the Ft. Worth area to offer this technology to the many people who want vision that will give them the ability to enjoy active healthy lives without the hassle of glasses or contacts."

The ***iDESIGN*** System was developed by Abbott.

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Texas Eye and Laser Center offers LASIK with the **iLASIK**[®] Technology Suite, which is an all-laser, bladeless procedure that shapes the cornea to help improve a person's vision. Today, more than 15 million LASIK procedures have been performed on Abbott lasers around the world – with 94 percent of patients seeing 20/20 or better based on clinical studies.²

Please contact us at 817-540-6060 or visit us at www.lasikdr.com if you are considering LASIK.

About Texas Eye and Laser Center

Texas Eye and Laser Center with offices in Hurst and Fort Worth, Texas is dedicated to provide patients with the highest quality and most technologically advanced medical and surgical Eye (Ophthalmic) care available in the Fort Worth area.

Dr. Brian D. Ranelle and Dr. Jerry Hu have over 55 years of eye care and eye surgical experience and are both Board Certified in Ophthalmology. The centers offer the most modern treatment and diagnosis of all types of eye diseases. We offer Blade-Free LenSx Cataract removal with Lifestyle Implants including ReSTOR, Symphony, Tecnis and Crystalens and they have had their Laser Center since 1977 and perform the most advanced All Laser, Blade-Free, iLASIK for a safer procedure and better visual results than standard LASIK.

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