

FOR IMMEDIATE RELEASE

Lions World Vision Institute Expands OptiGraft® CAIRS Program to Include Asymmetrical Laser-Cut CAIRS, Broadening Surgical Options for Keratoconus Treatment

Tampa, FL – September 10, 2025 – Lions World Vision Institute (LWVI), a global leader in advancing sight-saving allograft innovations, is proud to announce the expansion of its OptiGraft® CAIRS (Corneal Allogenic Intrastromal Ring Segments) service to now include **asymmetrical laser cut CAIRS**. This enhancement significantly broadens the therapeutic options for corneal surgeons managing advanced cases of keratoconus and other corneal ectatic disorders.

OptiGraft® CAIRS has become a powerful, allogenic-based alternative to synthetic intrastromal ring segments, offering biocompatibility and precision-crafted donor tissue for corneal remodeling. With the development of asymmetrically laser-cut segments, surgeons gain the ability to tailor ring sizes and geometries to match irregular corneal topographies and unique patient anatomy—enhancing surgical flexibility and precision in managing advanced keratoconus cases.

“This next evolution in OptiGraft CAIRS allows us to support surgeons treating highly asymmetric or irregular corneal topography where traditional CAIRS segments may fall short,” said **Jason Woody, President/CEO of Lions World Vision Institute**. “We’re committed to staying at the forefront of allograft ocular solutions to improve clinical outcomes, and this expansion is another testament to that mission.”

The asymmetrical ring segments are created with the Ziemer FEMTO LDV Z8 Femtosecond Laser Platform, which delivers ultrafast, micron-level precision cuts that exceed the accuracy and reproducibility of traditional manual techniques—enabling us to provide a new standard in corneal surgery to our doctors and their patients. As with all CAIRS tissue provided by LWVI, each segment undergoes rigorous quality assurance and is backed by the institute’s commitment to innovation, education, and patient-centered care.

“Since creating the CAIRS technique in 2015, I’ve been honored by its global impact and proud to advance continued innovation through my work with Lions World Vision Institute.” said **Soosan Jacob, MD** pioneer of Corneal Allogenic Ring Segments (CAIRS) and consultant to LWVI’s OptiGraft® program.

LWVI’s OptiGraft service has helped surgeons across the globe restore vision using human donor tissue that integrates naturally and safely. This latest enhancement provides greater off-the-shelf options to meet diverse surgical plans and patient needs.

For more information or to request asymmetrical cut CAIRS segments, please visit www.lwvi.org or contact our team at cornea@lwvi.org.