

Cataract patients now have the option to restore vision with the LenSx® Custom Cataract Laser at The Eye Institute of Utah

Newest FDA Approved Technology Allows for Truly Customized Vision for both Cataract and Vision Correction Patients

It's a fact of life that over time your eyes begin to fade as the crisp images and vibrant colors of life seem to disappear. This affects most of life's activities from reading, driving, being active, enjoying nature, and much more. The Eye Institute of Utah is pleased to offer its patients the first LenSx® custom cataract laser in Utah. This laser is up to 10x more precise¹ than manual cataract surgery using a blade, thus providing more predictable outcomes² for cataract patients who want to attain the highest quality of vision.

What Are Cataracts?

Cataracts are the most common reason for reduced vision as we get older. Cataracts cloud the lens of the eye which causes blurred or reduced vision at all distances. In a healthy eye, light passes through the lens and is focused on the retina, which in turn transfers the image into nerve signals that are sent to the brain. As cataracts form, the lens of the eye becomes clouded and the images sent to the retina are not as sharp and vibrant as they once were. This condition generally develops gradually and can appear as early as age 40. By age 80, over half of the population develops cataracts in one or both eyes.

What is Available to Treat Cataracts?

Cataract patients have typically undergone surgery to replace the natural lens of the eye with an artificial intraocular lens, or IOL. This procedure is called standard cataract surgery and is covered by

most insurance plans including Medicare. These IOLs are effective in restoring vision and the patient will never again develop a

ABOUT THE EYE INSTITUTE OF UTAH

The Eye Institute of Utah received one of the first LenSx® Custom Cataract Lasers in the world due to its distinguished history of over 30 years of pioneering modern cataract procedures and the remarkable eye surgeons who dedicate their lives to improving patient outcomes. In fact, over the last three decades, surgeons at The Eye Institute of Utah have performed over 100,000 procedures, are widely published in prestigious journals and continue to be involved in numerous clinical trials and studies that bring advanced technologies to their patients first.

Recently Dr. Robert Cionni was selected by a consumer and physician reviewed research group and was seen in Forbes Magazine and The New York Times as one of America's Best Cataract Surgeons.

Forbes Global 2000 Edition, May 9, 2011. New York Times, April 30, 2011.

cataract. Although these standard IOLs produce clear vision, patients may still need glasses or contacts to focus on objects at near, far, or both due to remaining astigmatism and presbyopia. Custom Cataract Surgery involves the use of special advanced technology IOLs and techniques that are specifically designed to help people see near and far. These special IOLs and techniques have been very successful in helping people reduce or eliminate their dependency on glasses by decreasing astigmatism and presbyopia.

Custom Cataract Laser

Until now, standard cataract procedures and custom cataract surgeries were performed manually where the surgeon uses a blade for some portions of the procedure. A manual procedure allows for a margin of error that can affect outcomes. With the introduction of LenSx®, the first FDA approved Custom Cataract

Laser, surgeons at The Eye Institute of Utah now have the ability to create incisions without blades. These incisions are proven to be more precise¹, thus eliminating some of the variables that have complicated cataract surgery in the past. Recent outcomes² show that the Custom Cataract Laser is up to 10x more precise¹ than manual techniques for some portions of the cataract surgical procedure. This type of laser precision, combined with the experience of world-class cataract surgeons is available at The Eye Institute of Utah.

Technology Advancements Continue to

Take Place at The Eye Institute of Utah

The Eye Institute of Utah received the First LenSx® Laser system in the state and was one of the first groups in the world to offer this technology to cataract patients. Over the past year, doctors at The Eye Institute of Utah have provided feedback to the manufacturer, Alcon Laboratories, to help develop hardware and software enhancements. These improvements have helped to speed up the surgical process and enhance comfort for patients.

Doctors at The Eye Institute of Utah Train Surgeons From Across the Globe on LenSx®

Dr. Robert J. Cionni, M.D., Medical Director of The Eye Institute of Utah and his staff have welcomed nearly 100 doctors from across the US and globe for training on the LenSx®

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Dr. Cionni with the LenSx® Custom Cataract Laser after a busy morning in surgery.

custom cataract laser. Dr. Cionni is one of the more experienced LenSx® surgeons in the United States. "My goal is to provide the best possible outcome for every patient. When I can take the knowledge I've acquired through numerous procedures and hours of research, I know I'm helping thousands of patients around the world and that makes everything worth it." Dr. Cionni comments.

The Custom Cataract Laser is Not Just for Cataract Patients

Custom Cataract Laser Surgery uses similar technology to that of bladeless LASIK surgery. Most people understand that bladeless LASIK is more precise and safe, however, many don't understand that LASIK is sometimes not the best vision correction option for those who are over 40. This is due to the fact that LASIK cannot prevent presbyopia.

Presbyopia is a condition most people over the age of 40 experience that results in difficulty seeing up close without the aid of bifocals, trifocals, or reading glasses. This age-related condition is believed to be caused by a hardening of the lens inside the eye, making it difficult for the eye's muscles to change its focus. Many people call presbyopia "long arm" disease because they find themselves having to push reading materials further away so they can focus.

Utilizing LenSx® and advanced technology IOLs, patients with presbyopia can now choose to have an elective procedure called refractive lens exchange, or RLE, to replace the natural lenses of the eye with multifocal intraocular lenses or multifocal IOLs. **Not only will patients reduce or even eliminate their dependency on glasses, RLE procedures will reduce the possibility of future cataracts.**

The new LenSx® Custom Cataract Laser is up to 10x more precise¹ than manual cataract surgery options

LenSx® Laser Procedure

LenSx® creates a perfectly circular opening to the lens.



VS.

Manual Procedure

Manual procedures have imperfections, and will vary between patients and surgeons.



The illustrations above are a representation of the differences between a LenSx® laser procedure and a manual procedure.

(1) Nagy Z, Takacs A, Filkorn T, Sarayba M. Initial clinical evaluation of an intraocular femtosecond laser in cataract surgery. J Refract Surg. 2009;25(12):1053-1060.

The Eye Institute of Utah is accepting new patients for vision correction surgery with the new FDA approved LenSx® Custom Cataract Laser

If you suspect that your poor vision may be caused by cataracts, call today to schedule your appointment. Cataract surgery is covered by most medical insurance plans and The Eye Institute of Utah accepts most plans including Medicare.

If you have presbyopia and would like to restore your vision of earlier years, call today to set up a no-charge consultation. During your visit, the world-class doctors at The Eye Institute of Utah will determine if your eyes qualify for the newest Advanced Technology IOLs. Most patients are great candidates and experience excellent outcomes with reduced or even eliminated dependency on glasses or contacts.



Robert J. Cionni, MD

Dr. Robert J. Cionni, Medical Director of The Eye Institute of Utah is a world renowned authority in the field of modern cataract surgery. Dr. Cionni has established himself at the forefront of advanced cataract surgery by pioneering numerous techniques and technologies in the field of ophthalmology. He has been recognized numerous times by peers and patients alike for his outstanding work. See www.theeyeinstitute.com for a detailed list. He is frequently invited to speak at national and international meetings including the American Academy of Ophthalmology, the American Society of Cataract and Refractive Surgery and the European Society of Cataract and Refractive Surgery. At these meetings he instructs Ophthalmologists in advanced cataract surgery techniques and the management of cataract and implant complications. He has authored numerous manuscripts, textbook chapters, and video segments that are read and viewed worldwide. He travels throughout the world teaching eye surgeons about advanced technology IOLs including those designed to reduce presbyopia and astigmatism such as the ReSTOR, Tecnis Multifocal, Crystalens, Toric IOLs and the LenSx® Custom Cataract Laser.



Darcy H. Wolsey, MD, MPH

Dr. Wolsey specializes in the diagnosis and treatment of advanced corneal problems. She performs corneal transplants, including sutureless transplants and laser assisted corneal surgery. Some of her special interests include dry eye and keratoconus treatment. She utilizes the latest technology for keratoconus including the use of INTACS and corneal collagen cross linking, and is currently participating in FDA studies involving keratoconus. In addition, Dr. Wolsey performs cataract surgery and refractive surgeries including LASIK, PRK, implantable contact lens, refractive lens exchange and presbyopic vision correction.

WHAT ARE OPTOMETRISTS SAYING?

"I strongly believe that The Eye Institute of Utah performs the most advanced and innovative eye care procedures for the patients I refer. They have the highest levels of technology, procedures, methods, and care found in this region of the U.S. They have an extremely knowledgeable staff, yet offer kind and gentle chair-side manners that go beyond any other eye center I have referred patients to in the past. Their doctors and staff have earned the maximum trust and respect from me and the patients I refer to them. I have always told my patients that I would only send myself, my family, and my friends to the finest, and The Eye Institute of Utah is the definition of state of the art eye care. Make sure your eye doctor refers you to them."

- Roland E. Abundo, O.D.
Abundo Eye Care, Midvale, Utah



755 E. 3900 S.
Salt Lake City, Utah 84107

801-803-6968
www.theeyeinstitute.com