

With Premium Lens Implants

Under the leadership of Dr. Farrell C. Tyson, this second generation family medical practice is dedicated to bringing our patients top quality eye care, eyeglasses, and contacts with the most innovative technology available. Tyson Eye is one of the foremost innovators in the field of Ophthalmology. Introducing some of the latest advancements in the treatment of eye diseases, we have revolutionized eye care in Southwest Florida by providing specialized treatment methods for cataracts, glaucoma, refractive disorders and other diseases of the eye.

Our primary focus is on your health, comfort, safety, and ultimately your complete satisfaction.

We are committed to excellence by delivering "Modern technology with old fashioned concern!"



Cristos Ifantides, MD, MBA Cataract & Glaucoma Surgeon Farrell C. Tyson, MD, FACS Medical Director & CEO J. David Stephens, MD Cataract, Cornea, & Glaucoma Surgeon

What is a Cataract?

A cataract is a clouding of the normally clear lens in your eye. Though painless, cataracts can blur your vision by restricting the amount of light that enters your eye. In addition to hazy vision, indications of cataracts include increasing night-time glare, poor night vision and a change in how your eyes perceive colors.

Most people's lenses will naturally become a bit cloudy as they age, and because cataracts tend to develop slowly, surgery may not be immediately necessary. But when your ability to read, drive or carry out other normal activities is hindered in any way, cataract surgery will likely be the best possible solution



How are Cataracts diagnosed?

The most important step is to visit your eye doctor so that he or she can evaluate your vision. This evaluation will generally include vision tests, an eye exam and a review of your medical history to uncover any other vision problems you may have. Cataract surgery does not correct other causes of decreased vision such as glaucoma, diabetes, or macular degeneration, but if you are found to have cataracts, the team at Tyson Eye offers many advanced and laser cataract surgery options to improve your vision.



Doctors from left to right: Cathleen Caraballo, OD | Marilyn Márquez, MD | Cristos Ifantides, MD, MBA | Roman Pravak, MD | David Stephens, MD Farrell Tyson, MD, FACS | Stuart Kaplan, OD | Rory Brienen, OD | Janice Birr, OD | Jennifer Gallo, OD | Elisa Puerto, OD

Lens Selection

Lens selection is one of the most important steps in your cataract surgery.

When your cataract is replaced by a lens implant, it is an opportunity to reset your vision. There are many implants to choose from, and your surgeon will help discuss the different options to best fit your lifestyle and visual needs. Our doctors have experience with many of these lenses during their research stage, which gives them knowledge of their strengths and weaknesses before they are widely available.

The health of your eye and any other vision issues will help determine which lens is best for you. Pre-operative diagnostic tests will be performed to help assess the eye and help the surgeon determine the appropriate lens power.

During cataract surgery, the natural lens is replaced with the IOL you and your doctor choose. The vision you have had up to this point will be different following surgery.

Monofocal / Standard Lens:

Monofocal lens implants focus at one main point. This implant allows for the sharpest possible vision at its set point - usually distance. Because the monofocal lens is typically set to focus at distance, reading glasses or bifocals are usually necessary to give patients the best possible intermediate and near vision. These lenses will not correct astigmatism, so it is possible you will need to wear glasses at least part time for distance and full time for near activities such as reading or working on a computer. Our standard monofocal lenses are the most advanced in their category, designed for distance and improving image guality.



Insurance Verification

Tyson Eye is proactive in helping you to determine your benefits for this surgery. We accept Medicare and most insurance plans and will contact your insurance company prior to your procedure to help you verify your benefits and to obtain any authorizations and referrals prior to your surgery.

Our surgery counselors will inform you of any financial obligation on your part prior to your scheduled procedure. It is our intention to provide you with the information necessary for you to make an informed decision regarding the financial arrangements for your health care. Our friendly and knowledgeable staff are happy to provide information and answer your questions about your eye care.

Most insurance doesn't cover refractive corrections or options to reduce your dependency on glasses.

Premium Lens Packages

Refractive cataract surgery is a customized cataract procedure offered at both the Naples and Cape Coral surgery centers to provide you with the best possible results following your cataract surgery.

Candidates for refractive cataract surgery typically desire reduced dependence on glasses and contact lenses for the majority of their daily activities. We will discuss all of your options for advanced cataract surgery and help you determine the best procedure for your individual needs during a consultation in our office.

1. PanOptix[®]Intraocular Lens

The AcrySof IQ PanOptix[®] intraocular lens is the first and only FDA-approved trifocal lens implant. This lens technology offers an exceptional combination of near, intermediate, and distance vision for patients with active lifestyles. These lenses have an intermediate focal point which has been found to be a more natural distance for activities such as reading a computer screen. The lens is also available in toric lenses for astigmatism correction.

Based on the FDA study, over 99% of patients who receive the PanOptix[®] lens would choose the same lens again. This level of patient satisfaction with the PanOptix[®] lens illustrates the value this technology has brought

Limitations of the PanOptix[®] lens may include a glow or halo around lights at night, mild loss of contrast, and time for the brain to adapt to the new lenses. Occasionally you may want to use readers for small print or the vision may not meet expectations.

2. Extended Focus Package

The extended focus lens is designed for patients who would like to expand their range of vision without the glare and halos from a typical multi-focal lens. It is excellent for people with active lifestyles who spend time on the computer, drive at night, and don't mind wearing reading glasses for fine print. The lens is also available in toric lenses for astigmatism correction.

Each individual is unique and visual expectations may vary from person to person. In rare cases, visual outcomes may not meet expectations.

3. Light Adjustable Lens[™] - THE MOST ADVANCED CATARACT LENS TECHNOLOGY

The Light Adjustable Lens[™] (LAL) is the first and only lens that can be customized <u>after</u> cataract surgery! This optimization is done by your eye doctor after lens implantation through a series of office-based light treatment procedures that take only a few minutes each.

Although cataract surgery has become more precise, the healing following surgery may still be unpredictable. This is especially true if you have had previous eye surgery such as LASIK or radial keratotomy (RK).

The Light Adjustable Lens[™] contains molecules which change the shape of the lens in response to ultraviolet (UV)



light. A series of three to four in-office light adjustments is performed following surgery to achieve a customized prescription in your lens.

In a study of 600 patients, those who received the Light Adjustable Lens[™] were twice as likely to achieve 20/20 distance vision at 6 months compared to a standard monofocal IOL.

To prevent unpredictable changes to the lens following surgery, UV-blocking glasses will be provided, and must be worn at all times while you are awake until the final lock in procedure has been performed.

Posterior Capsulotomy

After cataract surgery scar tissue may form on the capsule that holds your new artificial lens. This may occur shortly after surgery or never at all. You may notice that your vision becomes less clear after surgery. If so, your doctor will be able to perform a laser procedure in the office to make an opening in the capsule and improve your vision.



4. IOL Optimization and Astigmatism Package

ORA stands for Optiwave Refractive Analysis, and this sophisticated device provides the surgeon with real-time measurements of a patient's eye during their cataract procedure. This technology also helps to verify that near-sightedness, farsightedness, or astigmatism is appropriately corrected during cataract surgery. If an astigmatism is present, a toric lens may be used or the combination of a monfocal and limbal relaxing incision (LRI) to correct the astigmatism.

ORA - Optiwave Refractive Analysis

The ORA System[™] takes a series of over 40 readings of your eye after the ophthalmologist has removed the cataract. This gives him the most accurate information which he uses to select the power of the lens implant. Along with the advanced cataract removal, both the Naples Premier Surgery Center and the Eye Surgery and Laser Center in Cape Coral also use the ORA system to provide you with the best possible results.

Pre-operative diagnostic tests are performed to provide the cataract surgeon and his staff with the information necessary to determine the appropriate lens power. After your natural lens is removed, the measurements in your eye may change slightly. When using ORA technology during surgery, 30% of the time the surgeon selects a different lens power than the pre-op diagnostics recommended.

The ORA System[™] may help your surgeon achieve better results and provide you an improved quality of vision. The ORA System[™] gives your surgeon an added level of confirmation for an optimal outcome.



Naples Premier Surgery Center 2335 Tamiami Trail N. #304 Naples, FL 34103

Both the Eye Surgery & Laser Center in Cape Coral and the Naples Premier Surgery Center are fully licensed by the State of Florida as Ambulatory Surgery Centers (ASC) and are approved by Medicare and the Accreditation Association for Ambulatory Health Care (AAAHC). These two facilities have the latest technology available in eye surgery including the LENSAR[™] Laser System used to perform laser cataract surgery and the ORA System.



Eye Surgery & Laser Center 4120 Del Prado Boulevard Cape Coral, FL 33904

Laser Cataract Surgery

Tyson Eye chose the LENSAR[™] Laser System because it is designed to be the safest and most effective way to customize your cataract removal. LENSAR[™] uses proven laser technology that's been used in LASIK procedures for over a decade. In the hands of a skilled surgeon, the LENSAR[™] Laser System is designed to provide a more precise surgery and more reliable outcomes compared to traditional cataract surgery.

What is LENSAR[™] and How Does it Improve My Cataract Proce-

dure? The LENSAR[™] Laser System provides your surgeon with a reconstructed 3-D view of your eye, to aid in the removal of your cataract. LENSAR's[™] superior Augmented Reality improves your surgeon's ability to see everything inside your eye in greater detail. This feature assists the surgeon in precise cataract removal, and provides the most precise position for the placement of your intraocular lens.

Access

Using a laser to create an opening in the capsule can help give you your best visual outcome by optimizing the position of your lens implant. ¹

Fragmentation

Laser fragmentation

softens the lens and can

reduce certain risks and

healing time by reducing

the energy needed to

remove your cataract.



Laser

Laser

Manual



How does it work? Using the laser, capsulotomies (the procedure used to create an opening to the cloudy lens) are per-

fectly round and centered. The accuracy, reproducibility and customizable nature of the capsular opening usually cannot be matched by manual techniques. The LENSAR[™] Laser Cataract System then breaks up and softens the cloudy natural lens and significantly reduces ultrasound energy needed to remove the clouded lens.

Why should I elect to have Laser Cataract Surgery? Advanced cataract surgery allows your surgeon to tailor

your procedure with the goal of reducing your dependency on glasses or contact lenses. During your procedure, your surgeon will use the most advanced technology available, including premium intraocular lenses and the LENSAR™ Laser System with 3-D modeling technology. For patients with denser cataracts, the laser procedure offers a significant advantage to traditional cataract surgery. Utilizing the laser to soften the cataract speeds the surgeon's time in the eye and allows the use of up to 80% less phace energy, which can result in less inflammation and reduces healing time.

What are the Benefits of Advanced Laser Cataract Surgery with LENSAR™?

Safety: Your surgeon has a reconstructed 3-D view of your eye, allowing for more accurate information and treatment options during your cataract removal procedure.

Precision: The LENSAR[™] Laser System's advanced technology offers the most precise and accurate treatment available.

Results: The LENSAR[™] Laser System allows your surgeon to precisely place laser pulses that effectively soften your cataract for removal, and ensures the best condition for the lens placement, helping to restore your vision to its full potential.

Faster Healing Times: Decreased endothelial cell loss translates directly to increased long-term corneal health and faster healing.

Zepto IOL positioning system™



One of the most difficult steps in cataract surgery is creating an opening in the capsule surrounding the lens of the eye where the cataract is located. The Zepto IOL positioning system automates this step and helps the surgeon shape a perfect opening to the lens where the cataract is removed and the intraocular lens (IOL) is placed. The Zepto IOL positioning system creates the strongest capsule opening possible compared to any other method. The creation of a precise, strong, and properly sized capsulotomy is an extremely important step to attain the visual outcome expected by the patient and surgeon. Using the Zepto surgical system allows your surgeon to get one step closer to a perfect surgery by automating this step.

Preparing for Surgery

Before Surgery

- Start using your eye drops three days before your procedure in the surgery eye as directed.
- On the morning of your surgery, you should take any medications approved by your surgeon and which you normally take in the morning. These may include seizure, cardiac, high blood pressure, or breathing medication. Take them with just a sip of water.
- You should bring a responsible adult to provide you with a ride after your procedure.
- You should wear a short-sleeved shirt or blouse that buttons in the front.
- You should take a bath or shower prior to your procedure.
- You should not wear makeup or false eyelashes.
- You <u>should not</u> wear jewelry or bring any valuables to the surgery center.
- You <u>should not</u> wear contact lenses.
- You <u>should not</u> wear any restrictive clothing that day; do not wear panty-hose.
- You <u>should not</u> eat or drink after midnight on the night before your procedure.

Our surgery staff will contact you the day prior to your procedure to confirm your arrival time and review your final instructions.

After Surgery

- You will need to rest the remainder of your surgery day.
- **Do not** rub your eyes after surgery. It is normal for your eye to be slightly scratchy or irritated as the numbing medication wears off. You may even have double vision for a day or two. If you experience severe pain, excessive bleeding, or a decrease in your vision, call us at (239) 542-2020.
- Tape a shield over the surgery eye during nap time and at bedtime for at least three days to prevent rubbing it in your sleep.
- No driving of a vehicle for the first 24 hours.
- Avoid alcohol for the first 24 hours.
- For mild discomfort, Tylenol[™] or ibuprofen can be taken.
- Wear your sunglasses when outdoors.
- You should continue using each of the eye drops as directed until further notice from your doctor.
- You will follow up with the doctor the next day and will be given additional instructions for the care of your eye and the use of the eye drops.

Frequently Asked Questions

When should I have cataract surgery? When your vision starts to interfere with your daily activities or is less than the Department of Motor Vehicles requires for driving. Each situation is unique and should be evaluated individually.

Will I need glasses after my cataract surgery? That depends on the type of lens you choose and the overall health of your eyes. Most patients are less dependant on eye glasses after cataract surgery.

Will the cataract come back? Once a cataract is removed, it does not grow back. However, a clear membrane is left behind the IOL at the time of surgery. Over time, this membrane may haze or become cloudy, causing decreased vision and increased glare. A laser procedure can be performed to clear the membrane. This is a one-time, quick and painless procedure, which is performed in the office.

What will my "down" time be? On the day of surgery, it is imperative to rest the remainder of the day and to protect your eyes from rubbing, water or injury for several weeks. It is normal for your eye to be slightly scratchy or irritated as the numbing medication wears off. If you experience severe pain, excessive bleeding, or a decrease in our vision please contact us at (239) 542-2020. Once your eye doctor releases you (from one week to one month after surgery), you can resume all your normal activities.

Can I have both eyes done at the same time? We recommend the common practice of having one eye done at a time. Most of our patients have the second eye done as soon as one week after the first eye.

Will I be asleep during surgery? You may be awake during surgery but you will be given medication to help you relax which causes many people to fall asleep. Prior to your procedure, your surgeon will discuss your anesthesia with you.

Farrell C. Tyson, MD, FACS Medical Director & CEO

Dr. Tyson, Medical Director of Tyson Eye, is one of the foremost innovators in the field of Ophthalmology. Introducing some of the latest advancements in the treatment of eye diseases, he has revolutionized eye care in Southwest Florida. Dr. Tyson provides specialized treatment methods for cataracts, glaucoma, refractive disorders and other diseases of the eye.

Education

Dr. Tyson received his Biomedical Engineering degree from Johns Hopkins University and his Doctor of Medicine from the University of South Florida College of Medicine. After completing a surgical internship at the Medical University of South Carolina, Dr. Tyson completed his residency in Ophthalmology at the Medical University of South Carolina Department of Ophthalmology at Charleston. He is certified by the American Board of Ophthalmology.

J. David Stephens, MD Cornea, Cataract & Glaucoma Surgeon

Dr. J. David Stephens is a fellowship trained, board-certified ophthalmologist who specializes in the diagnosis and treatment of cornea and glaucoma disorders. Dr. Stephens utilizes his extensive training and education to provide his patients with the best possible clinical and surgical care. His experience in cornea, glaucoma, and cataract surgeries has made him an expert in dealing

Education

Dr. Stephens earned his Bachelors of Science in Biology from Oklahoma Baptist University. After completing his medical degree from the University of Oklahoma, Dr. Stephens completed his residency in Ophthalmology at John Peter Smith Hospital in Texas and the Wills Eye Hospital at Thomas Jefferson University in Pennsylvania.

Cristos Ifantides, MD, MBA

Cataract & Glaucoma Surgeon

with multiple aspects of the eye.

Dr. Cristos Ifantides is a fellowship-trained, board-certified anterior segment surgeon who specializes in routine and complex surgeries of the front of the eye. He is a leader in the field and has pioneered new surgical techniques for complex anterior segment surgery that have been adopted across the world.

Education

Dr. Ifantides earned his Bachelor of Arts in Classical Studies from the University of Florida. He then went on to earn a Master in Business Administration and a Doctor of Medicine degree from the University of Florida. He fulfilled his residency at New York Hospital and Icahn School of Medicine at Mount Sinai in New York. Dr. Ifantides completed his fellowship at Wills Eye Hospital at Thomas Jefferson University in Pennsylvania.





