

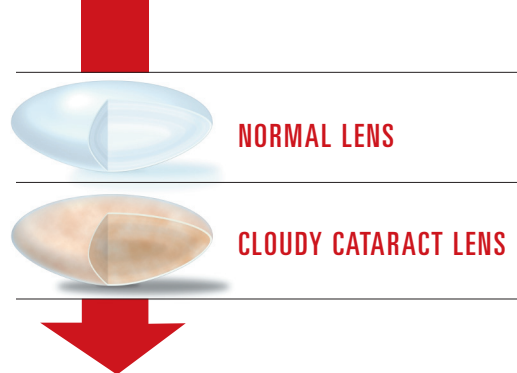


Cataract
LASER INSTITUTE

EXCELLENCE IN CATARACT SURGERY



Your
guide to
**CATARACT
SURGERY**



MODERN CATARACT SURGERY IS ONE OF THE MOST SUCCESSFUL PROCEDURES IN THE U.S.

CATARACTS

ANATOMY

Cataracts are not a disease but a progressive condition that causes the eye's natural lens to become cloudy. Cataracts may be white or take on color, such as yellow or brown. As cataracts become increasingly opaque and dense, the retina receives less and less light, and the light that does reach the retina becomes increasingly blurred. This causes gradual impairment of vision. If left untreated, cataracts can cause unnecessary blindness.

SYMPTOMS

Common cataract symptoms include blurred vision, halos around light, glare, double vision and reduced color perception. To be certain, however, it is recommended you have a complete eye examination by an ophthalmologist or optometrist.



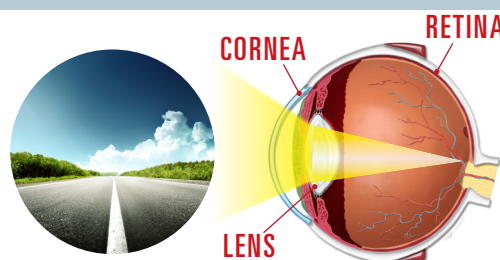
TREATMENT

There is no medical treatment for cataracts. Early in the development of cataracts, vision will be improved by changes in eyeglasses. When cataracts advance beyond this stage and vision cannot be improved with glasses, the cataract (cloudy lens) must be removed if the patient desires better vision. The focusing power of the eye will be restored with a lens implant at the time of cataract surgery.

SURGERY

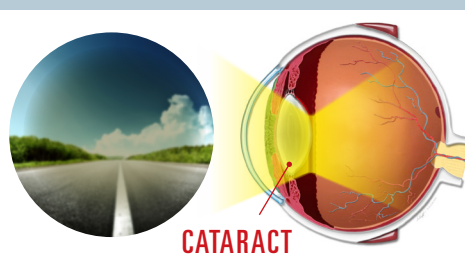
Cataract surgery is not an emergency, but is advisable when the cataract begins to interfere with normal daily activities such as golf, tennis, driving (particularly at night) reading and sewing. Modern cataract surgery is one of the most successful procedures in the U.S., and our success rates are over 99% (all surgeries carry some risk, which you should discuss with your doctor). Mid Florida Eye Center's board-certified, fellowship-trained doctors have contributed to the development of self-sealing, no-stitch cataract surgery, and they've performed tens of thousands of cataract and lens implant procedures, most using no needles, only eye drops for anesthesia, and now without blades. This technique enables rapid recovery with very little disturbance of the patient's daily routine. If the cataract is the only problem with your eyes, you have every reason to look forward to restored vision.

HEALTHY EYE

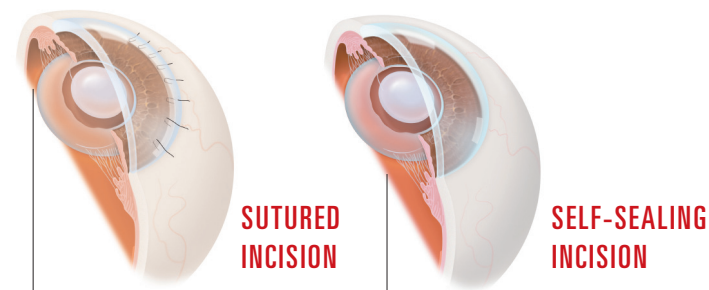


Light enters the eye through the cornea, passes through the natural crystalline lens and is accurately focused onto the retina, providing a crisp, clear image.

EYE WITH CATARACT



As the eye ages, the lens becomes cloudier, allowing less light to pass through. The light that does make it to the retina is diffused or scattered, leaving vision defocused and blurry.



THE DOCTORS OF MID FLORIDA EYE CENTER CONTRIBUTED TO THE DEVELOPMENT OF SELF-SEALING, NO-STITCH CATARACT SURGERY, AND TO THE DEVELOPMENT OF ADVANCED INTRAOCULAR LENSES USED BY DOCTORS ACROSS THE COUNTRY. THEY HAVE PERFORMED MORE THAN 75,000 CATARACT PROCEDURES.

ADVANCES IN CATARACT SURGERY

Mid Florida Eye Center has had the honor of being asked by the leading eye care companies to participate in clinical trials for many lens implants including astigmatism correcting (toric) implants and multifocal implants.

From helping pioneer no-stitch/no-needle cataract surgery techniques to opening the area's first eye surgery center, Mid Florida Eye Center has been advancing eye care in Lake and surrounding counties for over 25 years. Now, with Laser Cataract Surgery, our patients have more options than ever before for restoring their vision and being independent of glasses.

EXPERIENCE MATTERS

Together, our internationally renowned cataract surgeons Dr. Jeffrey D. Baumann, Dr. Gregory J. Panzo, and Dr. Keith C. Charles have performed more than 140,000 successful cataract and laser procedures. They understand how to effectively leverage laser technology to achieve the best possible visual outcomes.

ADVANCED TECHNOLOGY LENSES

When paired with the right lens, Laser Cataract Surgery can dramatically improve your vision at all distances. Thanks to our participation in groundbreaking clinical research trials, we have a diverse selection of advanced technology lenses. We will help you choose the ones that best fit your lifestyle.

KEEPING AN EYE ON NEW TECHNOLOGIES

Introducing the ORA System™

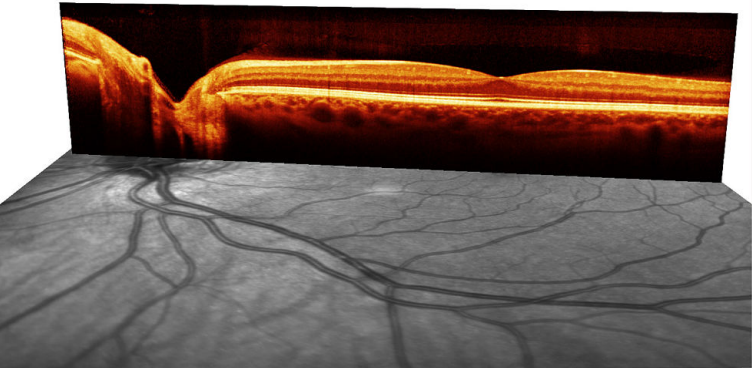
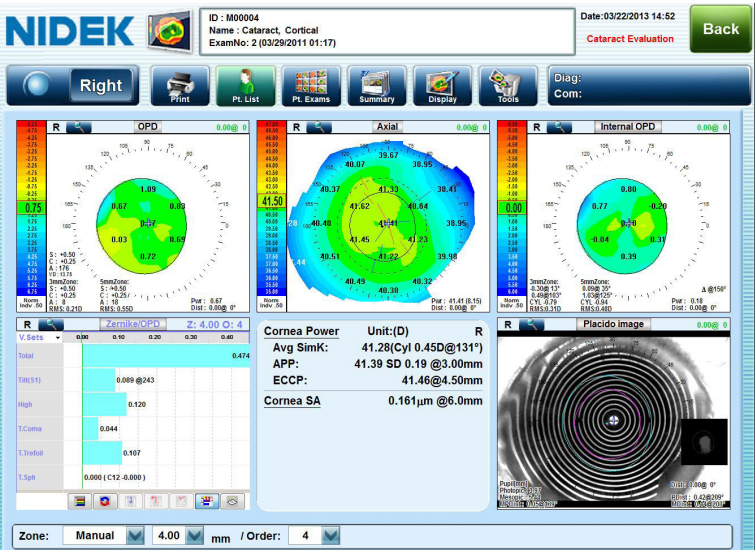
We're always on the lookout for new technologies that benefit our patients. ORA System™ is a revolutionary technology used during cataract procedures to help surgeons achieve the best visual outcomes possible.

With ORA, we can accurately measure your eye's unique characteristics to determine which intraocular lens implant (IOL) will fit best. If you've previously had LASIK, R.K., or laser surgery, ORA can significantly improve your chances of getting the results you've always wanted.



Basic cataract surgery is an option for all patients but you must keep the following in mind; basic cataract surgery is a manual procedure where the surgeon uses a blade for some portions of the surgery. The lens used in basic cataract surgery is a monofocal (single focus) lens, which does not correct any optical problem with your eye other than the cataract removal. The potential drawback is that after surgery you may need to wear glasses for all tasks, even if you didn't wear glasses before surgery. Basic cataract surgery with a monofocal lens is covered by insurance but there is an additional fee for all non-covered services/items.

Because there is such a diverse selection of monofocal lenses and potential optical problems that may go undetected, we offer Basic Plus cataract surgery as an option if you choose to forego or are not a candidate for laser cataract surgery. We use a range of highly advanced technologies to capture precise measurements and perform a more comprehensive evaluation. These measurements and the data they provide are then used to plan and perform cataract surgery to exact specifications not attainable with basic cataract surgery. Basic cataract surgery and the monofocal lens are covered by insurance but not the additional fees associated with this advanced technology and comprehensive evaluation.



Laser cataract surgery is an opportunity for patients who want increased freedom from glasses. It's the most advanced cataract surgery technique available today. The surgery is bladeless, giving surgeons increased accuracy and the ability to correct astigmatism. Plus, the laser's real time 3-D visualization, when combined with our surgeon's expertise, results in a truly customized cataract procedure. When paired with advanced technology options, the precision of laser cataract surgery can dramatically improve your vision and lifestyle! Although insurance covers the cost of cataract surgery with a monofocal lens, they do not cover the additional fees associated with the advanced technology options performed with the laser.

LENsX® AUTOMATES THE MOST CHALLENGING STEPS OF TRADITIONAL CATARACT SURGERY, SUCH AS PERFORMING CORNEAL INCISIONS, OPENING THE CAPSULE AND SOFTENING AND BREAKING UP THE CATARACT. PRIOR TO THE INTRODUCTION OF THIS LASER, BASIC CATARACT SURGERY INVOLVED THE CREATION OF SEVERAL SMALL INCISIONS MADE MANUALLY WITH A BLADE. WITH LENsX®, THE SURGEON CAN CREATE THOSE INCISIONS WITH THE LASER, RESULTING IN A SIGNIFICANTLY HIGHER DEGREE OF PRECISION.



BASIC SURGERY	BLADELESS LASER SURGERY
Surgeon manually makes the corneal incisions with a blade	The LenSx® laser makes the incisions
Surgeon manually makes an opening in the front of the lens' capsule to gain access to the cataract	The LenSx® laser makes the opening
Surgeon divides the cataract manually with an ultrasonic probe	The LenSx® laser divides the cataract
Surgeon removes the cataract with an ultrasonic probe and suction	Surgeon removes the cataract with an ultrasonic probe and suction
Intraocular lens (IOL) is inserted by the surgeon	Intraocular lens (IOL) is inserted by the surgeon

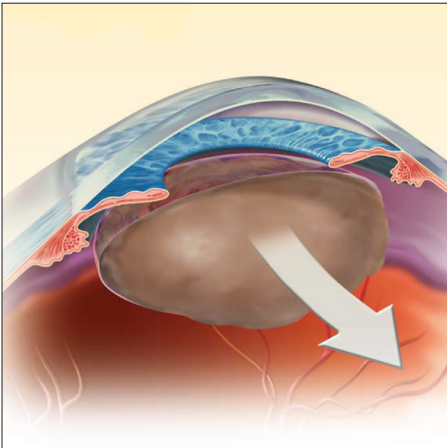
ADVANCED IOLS ARE AVAILABLE TO CORRECT ASTIGMATISM.

INTRAOCULAR LENS IMPLANTS-IOL

An intraocular lens implant (IOL) is an artificial lens that is implanted during cataract surgery. Traditionally, monofocal IOLs were used in all cataract surgeries; however people still needed glasses to correct near vision, and glasses or additional surgery to correct any astigmatism. Today technologically advanced IOLs that are used in cataract surgery allow you to see well at all distances with little or no help from glasses.

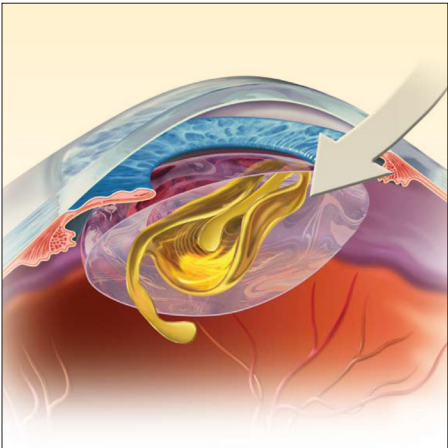
Advanced IOLs are also available to even correct astigmatism. Once cataract surgery is recommended, you will be presented with different package options based on your visual needs and what type of IOL best suits your lifestyle. The Basic monofocal IOL is usually covered by insurance as part of the cataract surgery procedure. Keep in mind advanced technology IOLs can provide better visual results and improve the quality of life for many years.

CATARACT SURGERY WITH IOL IMPLANTATION



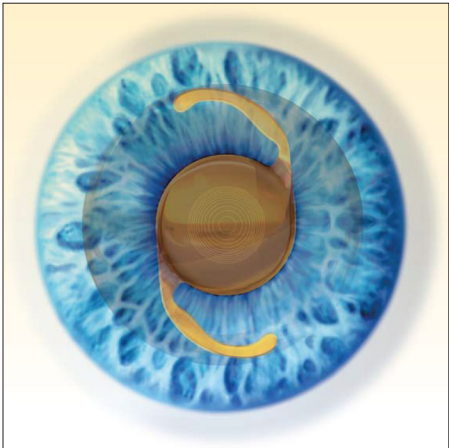
CATARACT REMOVAL

After making a small incision in your eye, your surgeon will insert an instrument about the size of a pen tip to remove the cataract, using high-frequency sound waves to gently break up the cloudy lens (phacoemulsification), and then aspirate it away.



LENS INSERTION

The cataract-affected natural crystalline lens is replaced with an artificial intraocular lens implant (IOL). IOLs are typically made of a flexible material, allowing your surgeon to fold and insert the IOL through a very small incision. Once inserted, the IOL opens, and its haptics, or “arms,” unfold to keep it in place.



VISION RESTORED

Once the cataract is removed, and the IOL is in proper position, light can once again travel unimpeded to the back of your eye. Recovery after cataract surgery is generally quick and improvement usually occurs within only a few days and maximum improvement in a few weeks.

ADVANCED TECHNOLOGY AND IOL OPTIONS

CUSTOM FULL RANGE VISION

MULTIFOCAL ADVANCED TECHNOLOGY AND IOL

Laser cataract surgery with an advanced technology multifocal IOL is designed to reduce the dependency on glasses and significantly improve vision at all distances. This option is best for patients wanting to be free of glasses for most of their daily activities. Although insurance covers the cost of cataract surgery they do not cover the additional fees associated with the advanced technology options. Patients must meet specific requirements to be a candidate.

Positives:

- Excellent vision at all vision ranges
- Reduced or eliminated need for glasses
- Wavefront Analysis For True Vision Diagnostics

Negatives:

- May experience halos around lights at night (usually short term)
- May experience difficulty in low lighting situations, like reading in dark rooms.

CUSTOM DISTANCE VISION

ASTIGMATISM- CORRECTION AND ADVANCED TECHNOLOGY IOL

Combines laser cataract surgery with an advanced technology IOL to provide clear distance vision for patients with astigmatism, usually without a need for distance glasses. Although insurance covers the cost of cataract surgery they do not cover the additional fees associated with the advanced technology options.

Positives:

- Excellent distance vision, without glasses, for astigmatism patients
- Wavefront Analysis For True Vision Diagnostics

Negatives:

- Will likely still require glasses for close-up vision

BASIC PLUS VISION

MONOFOCAL IOL

Because there is such a diverse selection of monofocal IOLs and potential optical problems that may go undetected, we offer Basic Plus cataract surgery. Highly advanced technologies are used to capture precise measurements, the data is then used to plan and perform cataract surgery to exact specifications not attainable with basic cataract surgery. Basic cataract surgery and the monofocal IOLs are covered by insurance but not the additional fees associated with this advanced technology and comprehensive evaluation.

Positives:

- Most costs are usually covered by insurance and Medicare

Negatives:

- Will likely still require glasses for close-up vision
- Does not correct Astigmatism

✓ Depending on the degree of your astigmatism, see next page.

Astigmatism is a condition in which the surface of the eye is shaped oval rather than round. Astigmatism typically causes blurry, distorted vision at all distances if not treated. It is important to note that none of the astigmatism reduction options are perfect or completely predictable, but all are designed to reduce the amount of astigmatism present.



SIMULATED VISION WITH CATARACTS
ASTIGMATISM



SIMULATED VISION WITH A MONOFOCAL
IOL AND ASTIGMATISM



SIMULATED VISION WITH
ASTIGMATISM CORRECTING IOL
& LASER CATARACT SURGERY

ASTIGMATISM REDUCTION OPTIONS |

IOL IMPLANT
Is an advanced technology lens implant designed to correct astigmatism. It is important to understand that the IOL and the use of the laser can reduce your astigmatism at the time of cataract surgery and likely reduce the need for glasses for either distance or near tasks but typically not for both.

ASTIGMATIC KERATOTOMY
Is a procedure in which one or more incisions are made on the cornea manually with a surgical blade or with the laser in an attempt to reduce astigmatism and likely reduce the need for glasses for either distance or near tasks but typically not for both.

LASIK/PRK
Is a refractive procedure where the cornea is reshaped with the use of a laser to reduce astigmatism and likely reduce the need for glasses for either distance or near tasks but typically not for both. This procedure is not performed at the time of cataract surgery.

GLASSES OR CONTACT LENSES
You can choose to have a basic monofocal (single focus) IOL implanted for distance vision and wear separate reading and computer glasses, or have the lens implanted for near vision and wear separate glasses for distance.



DISCUSS
YOUR
OPTIONS.

STEP 1:
BEFORE SURGERY

We will first review your medical history and perform a thorough eye exam. Once it has been determined that a cataract is the problem with your vision, advanced measurement techniques that utilize state-of-the-art computer and ultrasound technology will accurately measure and determine the power of the lens implant to be inserted and the degree of astigmatism which may be corrected. Next, our surgical coordinator will discuss your IOL Package Options financial arrangements and review your insurance coverage. You will receive step-by-step, preoperative instructions so that on the day of surgery, you will arrive as relaxed as possible.

RELAX-YOU'RE
IN GOOD
HANDS.

STEP 2:
THE DAY OF SURGERY

Surgery at Mid Florida Eye Center is performed on an outpatient basis at our fully-accredited surgical centers, the area's first surgery facilities dedicated completely to eyes. In most cases, anesthetic eyedrops and mild sedation are used. However, you will be monitored throughout your surgery by a licensed anesthesia provider. Using no needles means less risk of complications and use of the eye immediately following surgery. Drs. Baumann, Panzo and Charles use a technique called phacoemulsification (and laser assistance if you choose) – a micro-surgical technique that uses a small probe and sound waves to liquefy the cataract material, which is then suctioned out of the eye. This technique preserves the eye's natural support structure to hold the intraocular lens implant. The procedure usually takes just 10 minutes, and most patients are able to return to most normal activities the next day.

A LITTLE
ROUTINE
MAINTENANCE.

STEP 3:
AFTER SURGERY

You will be sent home with a series of medicated eye drops that you will use over the next few weeks. The precise schedule for these medications will be explained before your surgery and you will be given an instruction schedule. Our nurses will meet with you following your surgery to answer any questions you may have.

YAG LASER CAPSULOTOMY |

Cataracts do not grow back. Sometimes, after the initial successful cataract surgery, vision can become blurred when the capsule that supports the intraocular lens becomes cloudy. This problem can be easily remedied with laser surgery. Your doctor will use a YAG laser to open the center of the lens capsule. This procedure allows light to pass clearly to the retina again and takes only a few minutes to perform. There are no restrictions after the procedure and the opening made is permanent.

Geneva W., 71, Tavares Resident

Geneva is a patient who wishes she'd opted for cataract surgery years ago. She had worn glasses since age 42, but her deteriorating eyesight was starting to affect her life. Geneva had put away her scrapbook, a favorite pastime of hers, and was even having trouble recognizing neighbors as they walked by her house.

As a regular patient of Dr. Baumann, she was aware of the option for surgery, but had never felt ready to give it a try until now. "That's what I appreciate about Dr. Baumann," she says. "He's very conservative and never pushy. But when I have a problem, he's always right on top of it."

Based on Geneva's lifestyle and needs, Dr. Baumann recommended a multifocal

intraocular lens implant designed to improve vision at a range of distances. She recalls that on the day of surgery, she felt 100% ready. "My only apprehension was the anesthesia, because I don't usually require very much. But I told the anesthesiologist that I only needed a small amount and they actually listened, it's not often that they do. I was so impressed that my needs were heard!"

Following surgery, Geneva was amazed that she was able to have such drastic improvements so quickly. "Every time I looked at something I couldn't believe I was seeing it with my bare eyes. I just couldn't get over the fact that I could see at all distances from reading to working on the computer to driving without my glasses!"

Steven S., 56, Mount Dora Resident

For some patients, the opportunity to participate in a clinical research study can be life changing. For Steven, participating in a research study was like winning the lottery. He had astigmatism, an eye condition that causes blurry vision, and was dependent on glasses for everyday life. Even with glasses, he was finding it difficult to enjoy his two favorite hobbies: reading and container gardening. With his vision progressively getting worse, he was forced to

change the prescription of his glasses every six months. "It was getting to be quite an ordeal," he recalls. When, during a routine visit, Dr. Panzo presented him with the opportunity to participate in a research study for the toric multifocal lens, a type of intraocular (inside your eye) lens implant, Steven jumped at the chance. "Here I was expecting to have my prescription changed, and instead I was given the opportunity to change my life!"

FOR STEVEN, PARTICIPATING IN A RESEARCH STUDY WAS LIKE WINNING THE LOTTERY.

ABOUT OUR CATARACT SURGEONS |



JEFFREY D. BAUMANN, M.D.

- Cataract/Implant Specialist
- Cornea/Glaucoma
- Extensive Experience In All Types of IOL Implants
- Lasers

DR. BAUMANN received his undergraduate degree from the University of Florida with High Honors, and received his medical degree from the University of Miami. He completed his medical internship and served his residency in Ophthalmology at the Ochsner Clinic and Eye, Ear, Nose and Throat Hospital in New Orleans and a Fellowship in Corneal Transplants and Anterior Segment Surgery at Tulane Medical Center. He specializes in cataracts and implants and has performed over 35,000 cases. Dr. Baumann was past president of the Lake County Medical Society and has been on the board of directors of The Florida Society of Ambulatory Surgery Centers and the Physician Advisory Board for Amsurg Corporation. He is board-certified in Ophthalmology.



GREGORY J. PANZO, M.D.

- Cataract/Implant Specialist
- Glaucoma Specialist
- Extensive Experience In All Types of IOL Implants
- Lasers

DR. PANZO received his undergraduate degree from the University of Notre Dame in South Bend, Indiana, and his medical degree from Temple University School of Medicine in Philadelphia. He completed his medical internship and served his residency in Ophthalmology at Cleveland Clinic Foundation in Ohio. His many accomplishments include a Fellowship in Glaucoma and Anterior Segment Surgery at the University of Iowa. He specializes in cataracts, implant surgery and glaucoma, and has performed over 35,000 cases. Dr. Panzo has served as a principle investigator for multiple eye care clinical research studies. These studies have contributed to advancements in implants and medications. He is past Chief of Surgical Staff of Leesburg Ambulatory Surgical Center. Dr. Panzo is board-certified in Ophthalmology.



KEITH C. CHARLES, M.D.

- Cataract/Implant Specialist
- Extensive Experience in All Types of IOL Implants
- LASIK
- Cornea/Glaucoma

DR. CHARLES received his undergraduate degree from Duke University where he was elected to the Phi Beta Kappa honor society. He received his medical degree from the University of Southern California and completed a residency in Ophthalmology at Case Western Reserve University in Cleveland. His many accomplishments include a Fellowship in Cornea and Refractive Surgery at Emory University in Atlanta. Dr. Charles is board-certified in Ophthalmology, a Clinical Professor at the University of Florida and a certified international LASIK instructor.

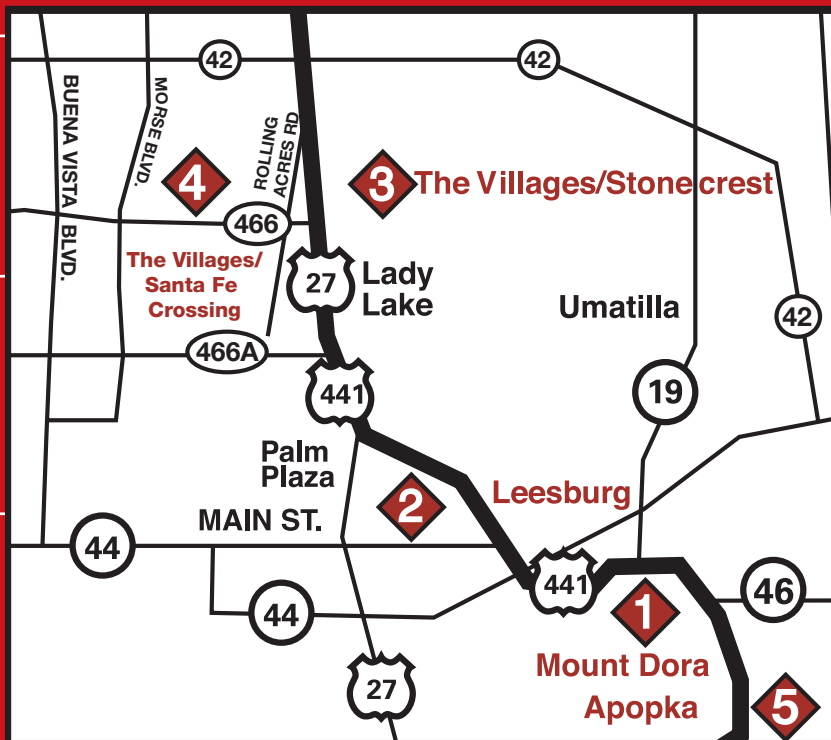
MEDICARE, INSURANCE AND FEES |

Mid Florida Eye Center was named the best ophthalmology group practice in the greater Orlando area. The award was presented by Florida Medical Business, which recognizes excellence in the healthcare profession. To help reduce your out-of-pocket expenses and make your visit as convenient as possible, Mid Florida Eye Center accepts Medicare assignment and electronically submits claims from all Medicare patients. Insurance is also accepted from a variety of carriers, and we will gladly file other insurance forms for you. Our full-time insurance coordinators will gladly assist you, or you can call (352) 735-2020 with any questions. Our physicians are dedicated to providing the finest possible vision care. We will help patients who have inadequate finances to afford our care. We offer financing with a variety of plans at no interest and low minimum monthly payments that comfortably fit into your budget.



VISIT US ON THE WEB AT MidFloridaEye.com

- 1 **MOUNT DORA**
Clinic & Ambulatory Surgery Center
17560 Highway 441
- 2 **LEESBURG**
Clinic Office
600 North 14th St.
(U.S. Highway 27)
- 3 **THE VILLAGES/STONECREST**
Clinic & Ambulatory Surgery Center
17556 S.E. 109th Terrace Rd.
U.S. Highway 27/441 Summerfield



- 4 **THE VILLAGES/SANTA FE CROSSING**
Clinic Office
8630 E. CR 466 Suite A
The Villages
- 5 **APOPKA**
Clinic Office
12 South Park Ave.

JEFFREY D. BAUMANN, M.D.	GREGORY J. PANZO, M.D.	RAY D. MAIZEL, M.D.	STACIA H. GOLDEY, M.D., FACS	KEITH C. CHARLES, M.D.
<ul style="list-style-type: none"> ▪ Cataract/Implant Specialist ▪ Extensive Experience In All Types of Implants ▪ Laser Surgery ▪ Cornea/Glaucoma 	<ul style="list-style-type: none"> ▪ Cataract/Implant Specialist ▪ Extensive Experience In All Types of Implants ▪ Glaucoma Specialist ▪ Laser Surgery 	<ul style="list-style-type: none"> ▪ Retina/Vitreous Surgery ▪ Macular Disorders ▪ Diabetic Eye Care 	<ul style="list-style-type: none"> ▪ Cosmetic, Plastic and Reconstructive Surgery ▪ Orbital/Tearing Disorders ▪ Botox®, Juvéderm®, Thermage® & Latisse® ▪ Skin Resurfacing, Laser Hair Removal 	<ul style="list-style-type: none"> ▪ Cataract/Implant Specialist ▪ Extensive Experience In All Types of Implants ▪ LASIK ▪ Cornea/Glaucoma ▪ Laser Surgery



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