

# LASIK Surgery



Thank you for your interest in Dr. William Martin and Associates at OptiVue for your refractive vision correction needs. We are pleased that you have entrusted your vision care to us. The doctors at OptiVue have more experience in improving patients' vision with refractive surgery than any other practice in Northwest Ohio. With the technology that we have helped to pioneer, it is entirely possible that you can live the rest of your life without glasses or contact lenses.

OptiVue's Laser Vision Correction Surgery Center is the only state certified vision correction center in Northwest Ohio and was selected by the state of Ohio to provide the standard for laser vision certified centers. OptiVue's laser vision correction center is also certified by the Joint Commission on Accreditation of Healthcare Organizations. Our surgery center provides doctor coverage 24 hours a day, 7 days a week, 365 days a year, and our center is locally owned and operated.

Here, at OptiVue, we have the most advanced vision correction technology, and Dr. Martin is the only eye surgeon in Northwest Ohio that is board certified by the American College of Eye Surgeons. Laser vision correction, also known as LASIK or Bladeless LASIK, is an FDA approved technology that can reduce or eliminate your need for glasses or contacts. The entire process takes about 20 minutes to complete and can dramatically enhance the eyesight of patients who suffer from myopia (nearsightedness), hyperopia (farsightedness) and astigmatism. The Visian ICL procedure, also known as the implantable contact lens, is another option for the correction of nearsightedness. The Visian Lens is an intraocular lens that does not replace the eye's natural lens, but instead is placed between the iris and natural lens. Conductive Keratoplasty (Nearvision CK) is a non-laser, non-surgical treatment that uses superficial radio frequency energy to strengthen the cornea in order to restore near vision.

If you have questions or would like additional information, please visit our website at [www.optivue.com](http://www.optivue.com), or call us at (419) 693-4444 to speak with one of our LASIK representatives.

Once again, thank you for considering OptiVue for your vision care needs. We look forward to working with you to achieve your best possible vision.

# Introduction

# About LASIK

# LASIK at OptiVue

Dr. William Martin, M.D. was one of the pioneers in refractive surgery, introducing refractive surgery to Northwest Ohio in 1983. In fact, Dr. Martin was one of the first doctors in the country to do RK and studied in Russia with the famous Russian surgeon Svyatslov Fiodorov.

In addition, he was the first doctor to introduce laser vision correction to Northwest Ohio and has taught other doctors in Northwest Ohio how to do this procedure. Dr. Martin and the associates at OptiVue have performed over 10,000 LASIK and refractive procedures. Dr. Martin is the only board certified LASIK surgeon in Northwest Ohio, and one of only three in the state of Ohio.

We at OptiVue pride ourselves on offering only the best technology available. OptiVue has the only state certified laser center in Toledo, Ohio and was the first certified laser center in the state of Ohio. We have a state-of-the-art facility and use the Visx Star S4 Laser for our CustomVue, traditional Lasik, and PRK procedures. Our team of highly qualified ophthalmologists and staff are committed to making sure you receive the best quality care and have a first class experience.

OptiVue's LASIK Surgery Center is located at 485 West Dussel Drive in Maumee, Ohio.

The decision to have LASIK is an important one that we will assist you with every step of the way. We look forward to being your Laser Vision Correction Provider!

## **LASIK**

LASIK stands for Laser-Assisted *In Situ* Keratomileusis and is a procedure that permanently changes the shape of the cornea, the clear covering of the front of the eye, using an excimer laser. A mechanical microkeratome (a blade device) is used to cut a flap in the cornea, with a hinge left at one end. The flap is folded back revealing the stroma, the middle section of the cornea. In less than a minute, while you are focused on a “target light”, pulses for a computer-controlled laser vaporize a portion of the stroma and the flap is replaced.

## **Bladeless LASIK (Advanced Surface Treatment)**

Bladeless LASIK involves removal of the top surface level of the cornea called the epithelium. This exposes the inner cornea, and the computer assisted laser will begin to re-sculpt the curvature of the eye. There are no needles or incisions required. The major difference between LASIK and Bladeless LASIK is the way the inner cornea is exposed before it is vaporized with the laser.

## **Visian ICL (Implantable Contact Lens)**

The Visian ICL is a break through advancement in refractive surgery. It works very much like a contact lens to correct your vision, but it is placed inside your eye through a very tiny incision. The lens is transparent and, therefore, is not visible to you or anyone else. The Visian ICL provides unparalleled quality of vision and has excellent and stable outcomes for patients with moderate to severe myopia. It is ideal for patients with thin corneas or those who are not good candidates for other procedures.

## **Conductive Keratoplasty (NearVision CK)**

This procedure uses the controlled release of radiofrequency energy, instead of a laser, to reshape the cornea. CK is performed using a small tip, thinner than a strand of human hair, to release radiofrequency energy. The probe tip is applied in a circular pattern on the outer cornea to shrink small areas of the corneal tissue. This circular shrinkage pattern creates a constrictive band (like the tightening of a belt), increasing the overall curvature of the cornea. Conductive Keratoplasty, which takes less than three minutes, is done in-office with only topical anesthesia (eye drops).

# What to Expect

# Vision Consult and Pre-Op

## **Vision Consultation**

At your Vision Consultation you will meet with our LASIK Coordinator. This consultation is very informative and free of charge. This is your first chance to ask all the questions you have about LASIK surgery.

The coordinator will introduce you to the LASIK process here at OptiVue. You will also discuss treatment options, past/current eye health, fees, and treatment planning. Your consultation will begin the process of determining whether you are a good candidate for LASIK. This appointment will last about an hour and are available daily. Together, we will see you through this life changing experience!

## **Pre-Op Appointment**

**During your LASIK Pre-Op examination, a doctor will examine your eyes to make sure they're healthy and stable. They will also make sure you have no health conditions that could hinder your visual improvement. This will be a cycloplegic exam, meaning your eyes will be dilated in order for the doctor to determine your best possible correction. Your eye exam will last about 1-1 1/2 hours.**

**WaveScan measurements and corneal mappings are performed to verify health and integrity of corneas. Corneal pachymetry readings are performed to determine thickness of the cornea. Also, we will test tear production to determine risk for dry eye. The above mentioned testing is done in addition to a regular eye examination.**

**The doctor will also recommend the best refractive procedure for your vision condition — as well as the outcome you can expect. Of course, you'll also have the opportunity to ask any questions you have. By the end of the pre-op examination, you will be ready for your LASIK surgery.**

**Prior to a Pre-Op examination, patients must discontinue use of contact lenses. The length of time varies by type of lens the patient wears and is as follows:**

**Soft Disposable Lenses: 7-10 days prior to exam**

**Extended Wear and Toric Lenses: 10-14 days prior to exam**

**Gas Permeable or Hard Lenses: 4 weeks plus 1 week for each decade of wear**

You will need to arrange transportation for the day of your procedure. A comfortable waiting area is provided. Childcare/work arrangements may be needed for the remainder of the day, as bed rest is required post procedure.

You may eat a light meal before your surgery.

Wash your face with soap and water before arriving at OptiVue LASIK Surgery Center.

Do not wear any:

Makeup (including eye creams, face creams, or oily makeup remover) at least **one (1) day before & the day of your procedure.**

Hairspray, scented deodorants or perfume/cologne the day of procedure.

Earrings and/or jewelry day of procedure.

We offer a mild sedative (Valium) if you wish to take, prior to surgery. Female patients must take a pregnancy test in the office the day of surgery, unless the patient has had a hysterectomy. Our surgery day pre-op nurse will discuss this with you.

We recommend avoiding alcohol 24 hours prior to and after surgery.

The facility is kept cool, please dress comfortable.

Please **arrive 30 - 45 minutes prior** to your scheduled surgery time.

Payment is due *in full* the day of your procedure. If you decide to finance, arrangements need to be made prior to your procedure. Payment can be made in the form of Cash, Cashier's Check, Money Order, MasterCard, Visa and Discover.

# Day of Surgery

# During Surgery

LASIK is an ambulatory procedure; you walk into the surgery center, have the procedure and walk out again. In fact, the actual surgery usually takes less than five minutes, and you're awake the whole time.

You also should have someone accompany you to drive you back home afterward.

Most people don't feel pain during LASIK surgery. Your eyes are first anesthetized with special drops.

The doctor will have you lie down, then make sure your eye is positioned directly under the laser. (One eye is operated on at a time.) A kind of retainer is placed over your eye to keep your eyelids open — normally, this is not uncomfortable. It has a suction ring that keeps your eye pressurized, which is important in LASIK for allowing the surgeon to cut the corneal flap.

The surgeon will use an ink marker to mark the cornea before the flap is created. The flap is then created with either a microkeratome or with a laser, depending on the surgeon's preference. During the procedure you won't actually see the creation of the flap, which is very thin.

The doctor uses a computer to adjust the laser for your particular prescription. You will be asked to look at a target light for a short time while he or she watches your eye through a microscope while the laser sends pulses of light to your cornea.

The laser light pulses will then painlessly reshape the cornea. You'll hear a steady clicking sound as the laser is operating. You're also likely to smell a mildly acrid odor due to the tissue removal. The higher your prescription, the more time the surgery will take. The surgeon has full control of the laser and can turn it off at any time.

The doctor may prescribe medication for any postoperative pain, but many people feel no more than mild discomfort.

## *REST:*

Following your LASIK procedure today, you should go home and REST. By rest, we mean quietly sitting or bed rest with your eyes closed.

## *EYE DROPS:*

- Zymar is to protect your eye(s) against infection. Use one (1) drop, four (4) times a day until instructed by the doctor.
- Pred Forte is to protect your eye(s) against inflammation. Use one (1) drop every hour for 1 day, then one (1) drop every 2 hours for 2 days, then one (1) drop four times a day until instructed by the doctor. Shake bottle before each use. \*\*If AST use Pred Forte (1) drop in each eye (4) times a day.
- Use NON-PRESERVATIVE ARTIFICIAL DROPS (1-2 drops) every hour until instructed by your doctor. (Refresh Plus, Theratears, Genteal)
- Restasis is to help in your visual recovery after LASIK. Use (1) drop, (2) times a day for at least (1) month after surgery, or until told otherwise by your doctor.
- If AST use Xibrom (1) drop in each eye (4) times a day after your surgery.
- If AST you use Comfort drops (1) drop in each eye (1) time per hour for the first 2-3 days, and only if needed.
- Please wait 15 minutes between the use of the prescription drops and the lubricating drops, do not wake yourself to use any of these drops

## *EYE PROTECTION:*

**DO NOT RUB OR SQUEEZE YOUR EYE(S) FOR TWO (2) FULL WEEKS!**

The eye shield should be worn full-time for the first day and at night while you are sleeping for three nights post-operatively. It is advisable to use some form of eye protection (sunglasses) for the first week.

## *ACTIVITIES:*

- 1.No alcoholic beverages or beer for twenty-four (24) hours before or after surgery.
- 2.If a temporary contact lens was placed on your eye(s) during the procedure, do not remove it. Should it come out, leave it out.
- 3.Avoid make-up for one (1) week.
- 4.Keep the eye(s) dry when showering and free from soap exposure.
- 5.You may use a tanning bed or lay out in the sun, only if you are wearing UV Protective eyewear.
- 6.No swimming or sports for two (2) weeks.
- 7.If you scuba dive, wait one (1) month after surgery before attempting to dive deeper than 33 feet.
- 8.Avoid dirty environments for five (5) days.
- 9.Avoid situations in which ocular trauma or exposure to toxic substances may occur.
- 10.No driving until permitted by the doctor.
- 11.Once driving is permitted, do not drive at night if glare is significant.
- 12.You may fly in an airplane, only if it is a commercial pressurized cabin.
- 13.You may resume jogging, weightlifting, or aerobics one (1) week after surgery.

# Post-Operative

## EXPECTATIONS:

It is normal for your vision to be blurry and fluctuate for the first few days and gradually improve over the next four (4) weeks. Expect your vision to fluctuate during the next few weeks. Complete visual recovery takes at least three to six (3-6) months. You can expect dimming of your vision in the evenings, light sensitivity or halo around lights during the healing phase. These symptoms and any discomfort you may have will decrease each day.

Your eye(s) may sting and tear for the first day. Lubrication and time will improve your comfort. Tylenol, Advil, or other similar pain relievers that agree with you may be taken, if necessary. Your eye(s) may be red with spots of superficial blood, which will disappear over two to four (2-4) weeks. Your lid(s) may be slightly swollen, and reading may be difficult initially. If you are over 35, over-the-counter drugstore reading glasses may be needed until your vision stabilizes. Then a prescription reading lens may be given.

Normal healing involves some regression (partial return to nearsightedness). If regression results in significant nearsightedness, enhancement (re-treatment) may be performed three to six (3-6) months after the initial procedure at the discretion of the doctor.

Please remember that everyone heals differently. Your progress will be monitored at regularly scheduled visits, and your management will be decided accordingly..

# Testimonies

# Testimonies

I got my first pair of glasses when I was in sixth grade. I remember I couldn't see the board very well. I don't remember if I got tested privately or if the school did it, but eventually it was discovered that I needed glasses. So fine. It's what you do. You went and got glasses, it was the highest technology, the latest thing! Over the years how many pair did I buy? I don't know...100... 150? How many did I lose? 100...150? How many did I scratch? 100... 50? How many pairs of sunglasses did I have to buy that were prescription because I couldn't just go to the drugstore and buy a pair?

I fixed all of this about 6 months ago with OptiVue. OptiVue has the single most advanced laser technology out there. Dr. Martin and his whole staff live and work right here in the Toledo area. They don't come in from somewhere else and do a couple surgeries and then leave and say oh we can get you next Tuesday when we're back in town. A lot of these places do this, but not OptiVue. Go in and talk to them about CustomVue, which is what I had and lose the glasses.

There are obviously lots of places that you can get this done, but let me ask you a question. Wouldn't you want to go to a place that's done ten-fifteen thousand of them? Dr. Martin and I were joking around before my surgery and I said, "Now you've done this before?" and he laughed and said, "Yeah, we as a group have done about 16,000 of them." I think Dr. Martin himself has done around 10,000. Enough that he probably knows what he's doing. It's bladeless LASIK surgery. It's the latest technique. Talk about vision that you don't have to worry about because you can get the CustomVue which comes with lifetime enhancements. If you need a little tweaking 5 years later it's included. They offer financing, too. And they do this all right here in Toledo. They don't come in from Cleveland or Cincinnati do a few surgeries and go home. This is home and that meant a lot to me.

-Rick Woodell, 101.5 the River

All services provided on time, at appointed scheduled time. Everyone has always been friendly and professional.

I would recommend your services to anyone who would like to have LASIK done.

-Patrick Empcke

I have three words to describe my LASIK experience...awesome, awesome, awesome!

The doctors and staff were excellent. The whole procedure was totally painless. I would recommend it to anyone and have already. Two of my friends have had the procedure and feel the same way. After 37 years of eyeglasses, I am speechless. Thank you everyone at OptiVue.

-Larry Burkett

I want to thank all of you for your care and professionalism. I had LASIK vision correction on April 14th, and I am still amazed at the result! As a glasses wearer since grade school, it's an incredible experience to NOT wear glasses and have better vision than I had wearing them! It truly is miraculous- I'm noticing things I never really saw in detail before, and I'm blown away by my new surroundings! I went to the Mud Hens opener and played golf within a week of the procedure, and the thing I noticed most was something I never had with glasses: peripheral vision.

My entire experience with OptiVue has been fantastic. Thanks for explaining everything clearly and completely, the technicians who check me out before and after, the friendly, helpful staff, and especially Dr. Martin, who talked me through the whole thing from the start of the procedure to the follow-up personal phone call the day after. His "bedside manor" took away the jitters and made it very comfortable, from his "voice-activated" eye drops to his conversation throughout. It was over before I knew it!

I don't know why I waited so long to take the plunge. I'm really enjoying my "new" eyes, and I'm telling everyone who will listen about the experience! I certainly recommend Dr. Martin and OptiVue to anyone who's even remotely thinking about LASIK. It is absolutely amazing. THANK YOU!!!

-Ron Finn

Everyday I am thankful that I had Lasik at Optivue with Dr. Martin. I cannot express enough, how much candidates for the procedure should have it done at Optivue! You have nothing to fear!

I had astigmatism and it was no problem. The staff at Optivue are friendly, helpful and just fantastic. Outside of the Lasik procedure, Optivue has earned a client that will continually entrust them with her eye health! Thank you so much Optivue! You ROCK!

-Micki Goldberg, 104.7 WIOT

Wow what a life changing event having my LASIK surgery!!!! For one, I felt so honored that Dr. Martin and the gang at OptiVue would want to do this for me! The experience is just something you don't get a lot of these days- excellent service, kind and really caring people, and friendships. I was totally impressed with the rapport which all the staff clearly displays with not just me but with everyone. I was a bit nervous- only cause with me if something can go wrong it usually does. But that was not the case at all. Dr. Martin thoroughly discussed my treatment options and the procedure so that I would fully understand what was going to happen before, during, and after the surgery. And boy he was accurate when I woke up only to be able to really see for the first time! I thought to myself... Wow, I have truly been blessed. I would like to thank all the guys and girls and everyone at OptiVue for what they have done for me!!! Thanks!

-Steve Reamey, "Gay Steve" 92.5 Kiss FM

Testimonies

# Testimonies

I would like to tell you about my favorable experience with OptiVue. First of all, the first person I talked to was very knowledgeable about the necessary steps needed to have LASIK vision correction. She helped me set up my pre-operative appointment. Several times I had to reschedule my appointment at the last minute! I was impressed with the patience and courteousness of the staff at OptiVue. At my first appointment, they were very open and honest about the LASIK procedure and were very thorough with their eye examination. I felt confident that they had my best interest in mind. After all, this surgery is permanent and can't be undone.

During surgery, the doctor put me at ease with his calm voice, total confidence, tender gentleness and explanations about the process that was taking place. Also, the fact that Dr. Martin called me on the follow-up that evening to check on how my eyes were doing made me feel he is sincere about his commitment to his patients. Furthermore, the continues post-op visits are helpful in reassuring me that my eyes are healing properly and my vision is improving.

My overall experience has been exceptional and I would like to thank you for improving my lifestyle and would recommend OptiVue to others.

- Cheryl Lapinski

I am thrilled- everyone was wonderful- I don't know what you did but it worked!!! I have been raving about it! All my sports buddies are calling to check up on me and I am raving about Dr. Martin, the staff, and how they let my wife watch the surgery. I can see already!

-Mark Beier, WSPD Talk Radio

I would like to take this opportunity to thank the wonderful staff at OptiVue.

To say I was apprehensive about a procedure involving my eyes would be a huge understatement.

All of my anxiety and worry have been eliminated. I am 100% satisfied with all facets of your wonderful company.

I have a new life ahead of me without eyeglasses.

- Kristen L. Leifbert

I was very pleased with LASIK surgery at OptiVue and with the doctors and staff that performed the surgery.

From the time I came into the office for the consultation to the time I had the surgery, even the follow-ups, everyone was so nice, friendly, informative and caring.

To ensure the best care, I would recommend anyone seeking LASIK surgery to come to OptiVue.

Thanks so much.

- Bridget Coleman

# Terms & FAQ

**Ablation**

Surgical removal. In vision correction surgery, ablation refers to the removal of corneal tissue to correct a refractive error like nearsightedness or farsightedness.

**Accommodation**

Ability of the eye to change focus while looking at objects at varying distances.

**Astigmatism**

Condition in which one of the eyes' refractive surfaces has an irregular shape (not spherical), causing visual distortion.

**CK (Conductive Keratoplasty)**

Refractive surgery procedure that reshapes the cornea using radio waves. CK is used to treat hyperopia and presbyopia.

**Cornea**

Transparent covering of the eye that allows light to enter and helps the eye focus.

**Excimer laser**

Surgical equipment that produces a thin, powerful beam of ultraviolet light that is used to remove microscopic layers of tissue from the cornea to enhance vision.

**Farsightedness (Hyperopia)**

Visual defect that blurred near vision.

**Higher-order Aberration**

Visual imperfections other than farsightedness, nearsightedness, and astigmatism.

**LASIK (Laser-Assisted In-Situ Keratomileusis)**

Vision correction procedure that uses a laser to reshape the cornea, improving nearsightedness, farsightedness, astigmatism, and other visual imperfections.

**Nearsightedness (Myopia)**

Visual defect that causes blurred distance vision.

**Pachymetry**

Procedure used to measure the thickness of the cornea.

**Presbyopia**

Condition associated with aging that causes difficulty focusing on near objects.

**PRK (Photorefractive Keratectomy)**

Vision correction procedure that uses a laser to reshape the surface of the cornea, improving nearsightedness, farsightedness, and astigmatism.

**Topography**

Procedure used to map the surface of the cornea.

# Frequently Asked Questions

***Is your Surgeon local in the Toledo area and available?***

Yes, all of the doctors at OptiVue are local and available to treat you 24 hours a day, 7 days a week.

***How many years of LASIK experience do you have and how many procedures have you performed?***

OptiVue's surgeons have performed over 30,000 refractive procedures since 1996. Dr. William Martin is 1 of few Surgeons in Ohio certified in refractive surgery by the American Board of Eye Surgery.

***Will I get a treatment plan tailored specifically to my needs?***

OptiVue offers several different types of laser vision correction (Bladeless, Conventional, Advanced CustomVue, CK and Clear Lens Extraction) to help you achieve the best vision possible.

***What type of laser do you use?***

Our LASIK is performed with the VISX S4 eye tracking laser, which delivers Advanced CustomVue, the most advanced LASIK to-date.

***Is my pre-operative and post-operative care included in my quoted price?***

All pre-operative appointments for the first year are included in our pricing.

***Is there a charge for enhancements?***

As an Advanced CustomVue patient, your procedure is backed with lifetime enhancements.

***Can my current eye doctor be part of the LASIK process and monitor my progress?***

If your current eye doctor is experienced in LASIK post-operative care, we will co-manage your follow-up care at no additional charge.

***How often does your surgeon/facility do laser vision correction during a month?***

We provide LASIK surgery up to two times per week, improving the sight of over 100 patients per month.

***Do you offer financing?***

We do offer payment options, and the plans range from 0% interest for 12 months to monthly payments as low as \$42.00 for Advanced CustomVue LASIK.