



# InVision

*The Art & Science of Vision*

[INVISIONEYECARE.COM](http://INVISIONEYECARE.COM)



# NEW VISION NEW YOU...

*W*ELCOME TO INVISION EYECARE, WHERE OUR DEDICATED TEAM OF EYE CARE SPECIALISTS OFFERS PATIENTS THE LATEST ADVANCEMENTS IN COMPREHENSIVE FAMILY EYE CARE. WITH A TRADITION OF EYE CARE EXCELLENCE THAT SPANS OVER TWO DECADES, OUR COMMITMENT TO PERSONAL PATIENT CARE IS UNSURPASSED AND IS WHY WE ARE SO RESPECTED.

WE TREAT PATIENTS LIKE FAMILY, AND ALWAYS MAKE YOU AND YOUR FAMILY FEEL WELCOME. OUR LIST OF SERVICES INCLUDE AN OPTICAL DEPARTMENT, LASER VISION CORRECTION CENTER, LASER CATARACT REMOVAL AND ADVANCED LENS IMPLANTATION, GLAUCOMA MANAGEMENT INCLUDING MICRO-STENT AND LASER SURGERY, DISEASES OF THE CORNEA INCLUDING DRY EYES, AND TREATMENT OF RETINAL DISORDERS INCLUDING DIABETES AND MACULAR DEGENERATION.

**InVision**  
*The Art & Science of Vision*

## OUR DOCTORS

**EDWARD HEDAYA, M.D.**

**MARC VON ROEMER, M.D.**

**DANIEL WILL, M.D.**

**WILLIAM GREENBERG, O.D.**

*The InVision Team Mission is to provide exceptional patient care in a stimulating and enjoyable manner. This will make a positive difference in our lives and those we serve.*

## OUR LOCATION

**LAKWOOD/TOMS RIVER OFFICE**

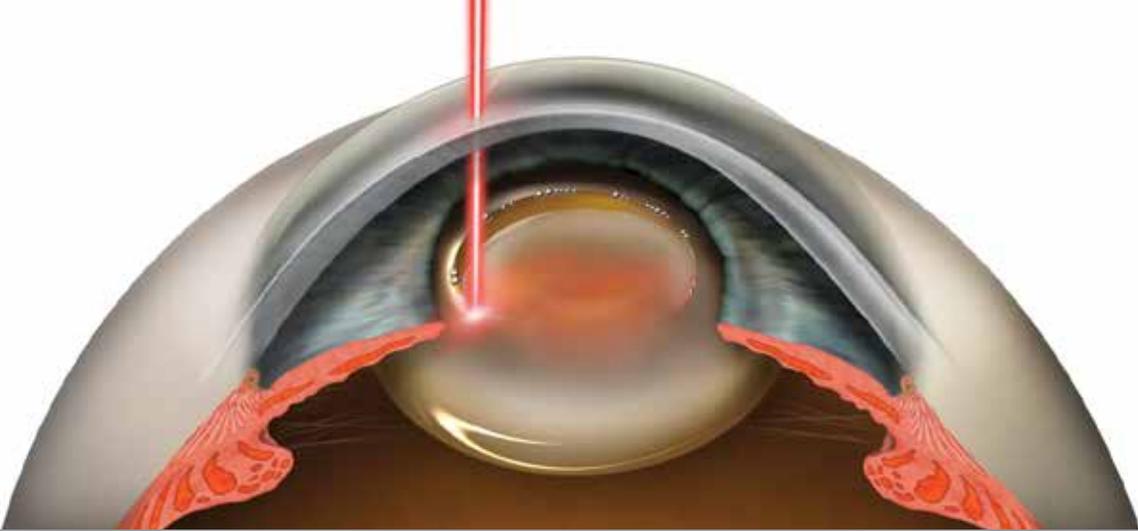
ONE ROUTE 70

LAKWOOD, NEW JERSEY 08701

(732) 905-5600



“WE ARE PASSIONATE  
*about our* EXCELLENCE.”



## CATARACT SURGERY

Over fifty percent of people over the age of 60, and quite a few younger than that, suffer from cataracts. In fact, cataracts are so common it is said that everyone will develop a cataract if they live long enough.

A cataract is a progressive clouding of the eye's natural lens that interferes with light passing through to the retina. Sufferers usually describe the condition as being similar to looking through a dirty yellowing window or windshield, with a gradual blurring or dimming of vision.

Reading may become more difficult, and driving a car can actually become dangerous. Cataract sufferers may also be troubled by degrees of bothersome glare, halos around lights, or even double vision. And, as the cataract becomes worse, frequent changes in eyeglass prescriptions may become necessary.

*The majority of people's vision is improved in less than 24 hours after surgery.*

Currently, there is no medical treatment to reverse or prevent the development of cataracts. Once they form, there is only one way to achieve clear vision again, and that is to physically remove the cataract from inside the eye and replace it with an artificial intraocular lens (IOL).

In your parents or grandparents day, cataract surgery was considered risky, required a lengthy hospital stay, and was usually postponed for as long as possible. Today, cataract surgery is performed as an outpatient procedure and takes only minutes. We have lasers to help with cataract surgery. Patients can then go home and rest in comfort and avoid the inconvenience and expense of staying in a hospital. The majority of people's vision is improved in less than 24 hours after surgery.

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## LASER CATARACT SURGERY

Delivering advances in ophthalmic surgery is important to Dr. Edward Hedaya and our team at InVision. Laser cataract surgery is quickly rising in popularity as more eye surgeons discover its benefits. Traditional cataract surgery is a safe and effective procedure. We incorporate the laser into cataract surgery targeting enhanced surgical outcomes.

### What does laser cataract surgery entail?

Laser cataract surgery relies on a computer-guided femtosecond laser to perform several critical stages of the procedure.

During traditional cataract surgery, our surgeon uses hand-held instruments to make the initial incisions, and ultrasonic energy to fragment the cataractous lens so the pieces can be removed and replaced with an intraocular lens implant.

**During laser cataract surgery, our surgeon uses a laser to complete the following steps:**

- Make small, well-defined incisions. The incisions are more precise than those made with a hand-held instrument.
- Remove the anterior portion of the lens capsule. In a technique called capsulorhexis, our surgeon uses the laser to remove the anterior capsule to ensure a perfectly round opening.
- Soften and break up the cataractous lens. Using a laser may lessen the energy required than traditional methods and makes it easier to remove the fragmented pieces.

After these steps, our surgeon places the premium intraocular lens implant (IOL) exactly as in traditional cataract surgery. We will recommend a lens that matches your specific needs. ([see types of lenses](#))

### Advantages of Laser Cataract Surgery

One of the primary advantages of laser cataract surgery is that it allows our surgeons to customize the procedure to your specific needs. Diagnostic lasers actually calibrate the femtosecond laser based on your unique corneal anatomy for precise and accurate performance.

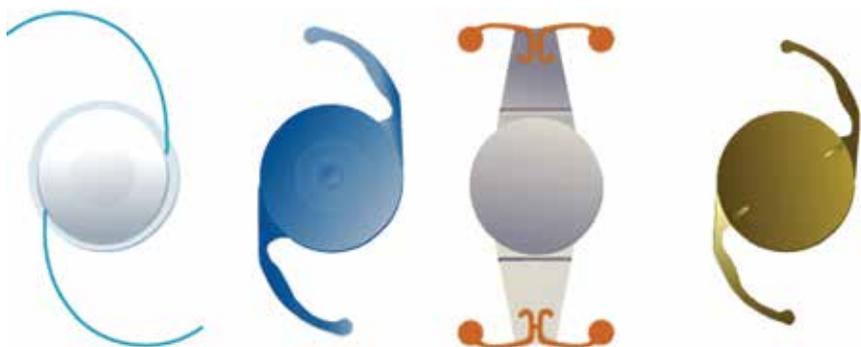
*Traditional cataract surgery is a safe and effective procedure.*

Using a laser also decreases some of the risks of rare complications during cataract surgery.

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## TYPES OF LENS IMPLANTS (IOL) FOR CATARACT SURGERY

1. **TECNIS MULTIFOCAL IOL** (for far and near vision)
2. **CRYSTALENS** (for far and intermediate vision)
3. **TORIC IOLS** (corrects astigmatism for far vision)
4. **TRULIGN LENS** (corrects astigmatism and for far and intermediate vision)



### 1. TECNIS™ MULTIFOCAL IOL

There are a number of advanced IOLs available today that can provide a broader range of vision. One of the IOLs we offer our patients who enjoy reading is the Tecnis™ Multifocal IOL. It is a third generation multi-focal lens that provides excellent near and distance vision.

A multifocal lens does not depend on the muscles of the eye to provide clear vision. Instead, the optics of the lens distributes light to multiple focal points for near and distant vision to provide a fuller range of vision. Using advanced wavefront technology to design the Tecnis™ Multifocal lens, it's unique "aspheric" surface eliminates much of the night vision distortions and loss of contrast that can be experienced with standard IOLs. Nearly 9 out of 10 patients in the Tecnis FDA clinical trial reported never wearing glasses after implantation. Most patients have nighttime haloes which dissipate within 3 months.

### 2. CRYSTALENS

Most patients over the age of 45 who are nearsighted or farsighted are also presbyopic. Presbyopia is a condition that prevents the eye's natural lens from changing shape, disallowing one to see clearly for both distance intermediate

and near vision with the distance correction on. Losing this ability is called loss of accommodation. In order to restore accommodation after removal of clouded natural lens (cataract surgery), the Crystallens® is designed to provide a more continuous range of vision for distance and intermediate vision.

Intermediate tasks constitute most of our up close vision during the day and include activities like cell phone, car dashboard, grooming at a mirror, cooking, looking at our watch etc. Intermediate vision is extremely important to be able to achieve without glasses to nearly everyone.

The Crystallens® IOL is engineered with a hinge—designed to allow the optic, the part of the IOL through which you see, to move back and forth, which changes the focus from intermediate to distance. It's a remarkable convenience.

Crystallens® is performed using laser cataract surgery (LenSx) as an outpatient procedure for increased accuracy.

Many patients report improvement in their distance vision almost immediately, and the intermediate vision will improve in a week or two.

### 3. TORIC IOLS

Advances in Intraocular Lens (IOL) technology now provide a reliable and effective option for patients with astigmatism. Astigmatism is caused by the cornea being more curved in one direction than the other; it is oval much like a football.

Until the recent introduction of Toric IOLs, people would remain dependent of glasses after cataract surgery for distance vision due to uncorrected astigmatism.

Toric IOLs are specially shaped IOLs designed to offset the oval shape of the cornea. Once implanted and aligned inside the eye, they stay fixed in place thereby eliminating pre-existing astigmatism. Toric IOL surgery is performed using laser cataract surgery (LenSx) as an outpatient procedure for increased accuracy. It decreases the need for distance glasses.

A new type of Toric IOLs is called a TRULIGN™ Toric IOL – it gives both distance and intermediate vision without glasses ([see below for description](#)).

### 4. TRULIGN™ Toric IOL

TRULIGN™ Toric IOL is a Crystallens® IOL ([see above](#)) that in addition to replacing the eye's natural lens after cataracts have been removed, also corrects the eyes astigmatism (oval cornea shape). Unlike a standard or Toric IOL ([see previous page](#)), TRULIGN™ is designed to give you back a broader range of vision by giving you the much appreciated intermediate vision.

## LASER VISION CORRECTION SURFACE LASER TREATMENT-PRK

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### Why Surface Laser Treatment?

We are recognized experts on Surface Laser Treatment, also known as PRK. PRK was the first laser treatment for vision to be approved. It has been performed for over twenty years with a very high safety margin. Over the last several years its popularity has grown tremendously because of outstanding results utilizing new laser technologies and an immense improvement in patient comfort.

The beauty of Surface Laser is that there is no incision in your cornea. In LASIK (the other laser vision correction procedure), an actual incision is made into your cornea to create a flap of corneal tissue. This corneal flap heals with less

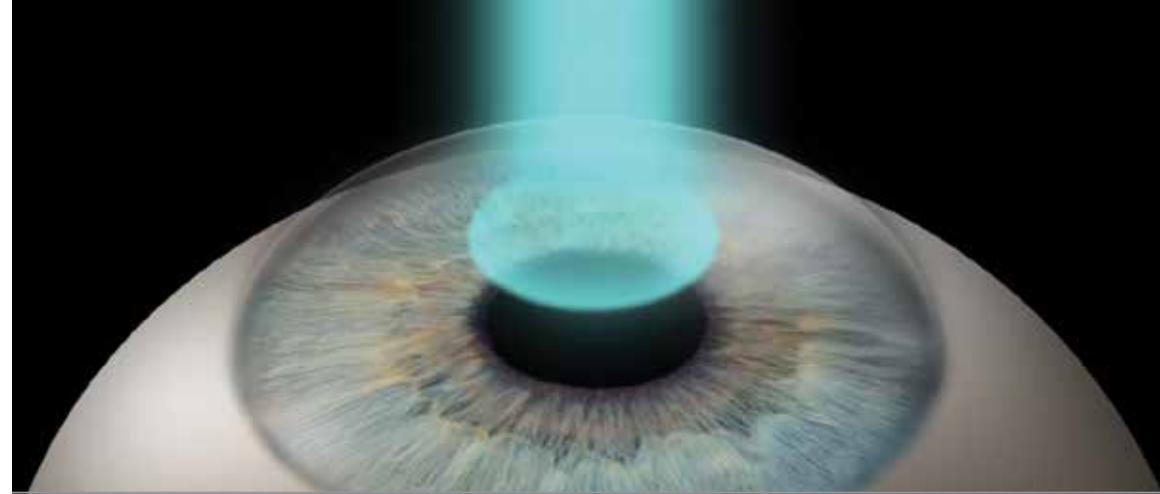
than 95% of its original strength. LASIK's limited healing has a number of immediate, short term and lifelong risks for your eye that is eliminated by performing Surface Laser. Since the final results of Surface Laser are equal to or superior to LASIK, we only perform Surface Laser. We use the beautifully engineered flying spot laser

*The beauty of Surface Laser is that there is no incision in your cornea.*

called the Allegretto made in Germany for a very gentle, painless treatment on your eye that takes only seconds. Patients notice an immediate improvement in their vision after surgery. However, vision is usually somewhat blurred during the epithelial healing process. It usually takes three to five days for the epithelium to heal.

### Your Evaluation

To find out if Advanced Surface Laser Treatment is right for you, you can choose either of our refractive surgeons, Edward Hedaya, M.D. or Marc von Roemer M.D., who will personally evaluate you with an in-depth consultation. This includes a comprehensive eye examination and specialized testing to determine both the health of your eyes and the shape and thickness of your cornea.



## IMPLANTABLE CONTACT LENS (ICL)

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The Implantable Contact Lens (ICL) is also known as a phakic IOL. "Phakic" means that the natural lens of the eye is not removed, and "IOL" means intraocular lens, or a lens inside the eye. The ICL is considered an alternative to such procedures as LASIK and PRK or Refractive Lens Exchange. The best candidates for the ICL are between the ages of 21 and 50, with moderate to severe nearsightedness.

The ICL is a small, injectable lens that is inserted through a tiny, 3-mm incision that does not usually require sutures. The procedure is performed on an outpatient basis, which means that the patient has surgery and leaves the same day. A light, topical or local anesthetic is administered, and there is very little discomfort and normally no pain associated with the procedure.

The ICL provides predictable outcomes and excellent quality of vision. If there are major changes in one's vision, the ICL can be removed and replaced. It is designed to remain in place within the eye without maintenance. Because the lens is positioned behind the iris, neither you nor an observer will be able to see it. The lens material is a collagen copolymer that is very biocompatible (doesn't cause a reaction inside the eye) and stable. It also contains an ultraviolet light filter.



*Contact us to schedule your consultation today*

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