



BETTER VISION THROUGH BETTER CARE

THE EYE CENTER

raindrop[®]
NEAR VISION INLAY





Dear Fname Lname:

Our eyesight is a precious gift. Please take a few minutes to read this important information regarding the raindrop NEAR VISION INLAY with iFlap procedure at The Eye Center. We believe that after reading this information, you'll understand, like we do, why this is the best technology available for near vision correction today. Since 1989 our mission has been to deliver excellence in eyecare while advancing the science of vision correction. Dr. Boutros is a lead investigator for many clinical trials, including corneal inlays, a testament to his skill and expertise. We would like to thank you for considering The Eye Center for your raindrop procedure. If you find a more advanced technology, please come back and tell us about it.

iFlap™ Intralase Facts

The most advanced IntraLase technology

The Eye Center introduced iFlap™ to the DC metropolitan area in 2009. We are proud to be the first center to use the most advanced IntraLase technology in the world.

INTRALASE
TECHNOLOGY

- IntraLase Makes LASIK Better

- True "All-Laser" FLAP

- Making the Flap: How IntraLase Works

- Advantages of IntraLase

- IntraLase is the first blade-free laser technology for performing the first step of the LASIK procedure: creating the corneal flap.
- Prior to IntraLase, this first step was done manually using a hand-held device with an oscillating metal razor blade, called a microkeratome. While LASIK has proven to be a successful and relatively safe procedure, the majority of complications with LASIK arise from the use of microkeratomes.
- IntraLase makes LASIK and **Raindrop® Near Vision Inlays** safer by replacing the hand-held microkeratome blade with the silent computer-guided precision of a laser, virtually eliminating severe sight-threatening blade-related complications as a result.
- IntraLase delivers micron-level accuracy more than 100 times greater than a microkeratome.



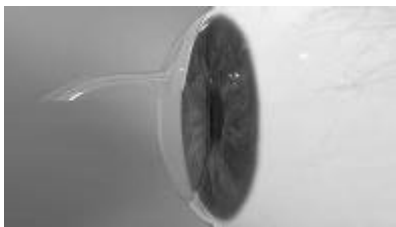
Fear No More

*True all-laser flap
technology used at The
Eye Center*

IntraLase Makes it Better

- IntraLase improves the overall safety profile.
- The IntraLase laser is dramatically less likely to produce seriously thin flaps or extremely thick flaps, events which could lead to devastating complications.
- For example, clinical studies confirm that patients see better following LASIK with IntraLase than with the hand-held microkeratome blade.
- Patients who stated a preference in a prospective, randomized study preferred the post-operative vision of their IntraLase-treated eye 3-to-1 over their blade-treated eye.
- IntraLase created fewer high- and low-order aberrations, which can be associated with night glare and halos.
- In several studies, standard tests performed to diagnose dry eye indicated better results for IntraLase-treated patients.
- The precise IntraLase flap significantly reduces the incidence of post-operative induced astigmatism as compared with microkeratome-created flaps.

Making the Flap: How IntraLase Works



- Unlike the microkeratome blade, which cuts across the cornea to create the flap, IntraLase doesn't traverse the cornea; in fact, it never touches the outer cornea but rather creates the flap using an "inside-out" process, virtually eliminating severe sight-threatening complications as a result.
- The INTRALASE® FS laser uses an infrared beam of light to create the flap from *below* the surface of the cornea.
- The beam of laser light is focused to a precise point within the stroma (central layer of the cornea), where a string of tiny 2- to 3-micron bubbles is formed.
- Thousands of these microscopic bubbles are precisely positioned to define the flap's dimensions and distinct beveled edge, as well as location of the hinge.
- Bubbles are then stacked along the edge of the flap up to the corneal surface to complete the flap.
- The process from start to finish takes approximately 45 seconds.
- The surgeon then lifts the flap to allow for the placement of the corneal inlay. When treatment is complete, the flap is accurately repositioned, thanks to its beveled edge.

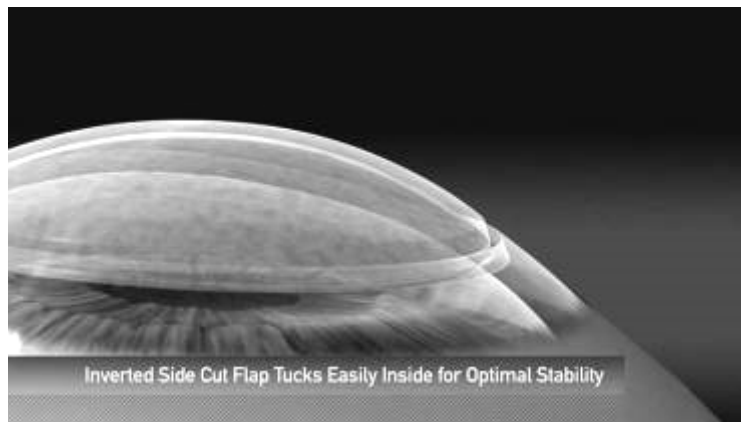
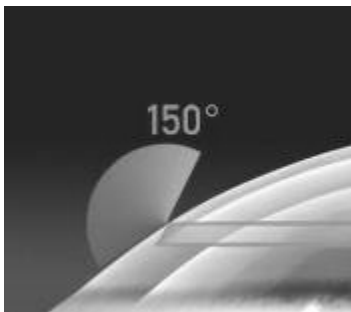
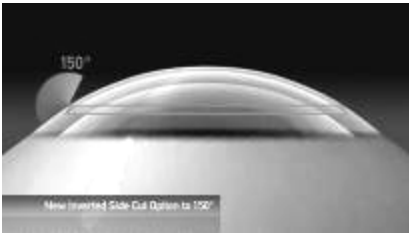


- With IntraLase, the surgeon can precisely control the critical first step of LASIK. Pre-programmed laser specifications include flap diameter, depth, hinge location and width, and side-cut architecture – factors which may vary by patient. IntraLase flaps also feature a distinctive beveled edge, which allows for precise repositioning, alignment and seating of the flap after the procedure is completed. This ability to personalize specific parameters is impossible with a microkeratome or other hand-held bladed instrument.
- IntraLase is the most sophisticated and accurate technology for corneal flap creation available today, and has given patients greater confidence in choosing vision correction surgery. The higher degree of assurance and safety, virtually no risk of severe sight-threatening complications and more predictable outcomes have been shown to increase patient satisfaction.

Advantages of IntraLase iFlap™

- **Improved Safety:** Eliminates the most severe microkeratome-related complications, including invasive corneal incisions and button-hole flaps.
- **Better Vision:** Patients achieve statistically better vision when IntraLase is used in the LASIK procedure. In comparison with microkeratome-initiated LASIK, more patients achieved 20/20 vision and those with a preference preferred the post-operative vision of their IntraLase treated eye 3-to-1.
- **Highest Degree of Predictability and Precision:** Micron-level precision creates significantly more predictable and accurate flap dimensions, including, most critically, reproducible flap thickness, within ± 10 microns, whereas variability with microkeratomes has been reported up to ± 40 microns. This increased precision preserves valuable corneal tissue and improves the predictability of the treatment.
- **Reduced Dry Eye Symptoms:** In several clinical studies, standard tests performed to diagnose dry eye show a significant reduction in symptoms, the largest of which shows patient symptoms were reduced by 72 percent. This lower occurrence of dry eye symptoms may be due to the uniform and typically thinner flap, creating less disruption of nerves in the cornea.
- **Individualized Flaps:** The laser flap can be tailored to the individual patient's needs, allowing physicians to individualize all steps in the procedure with IntraLase.

iFlap™



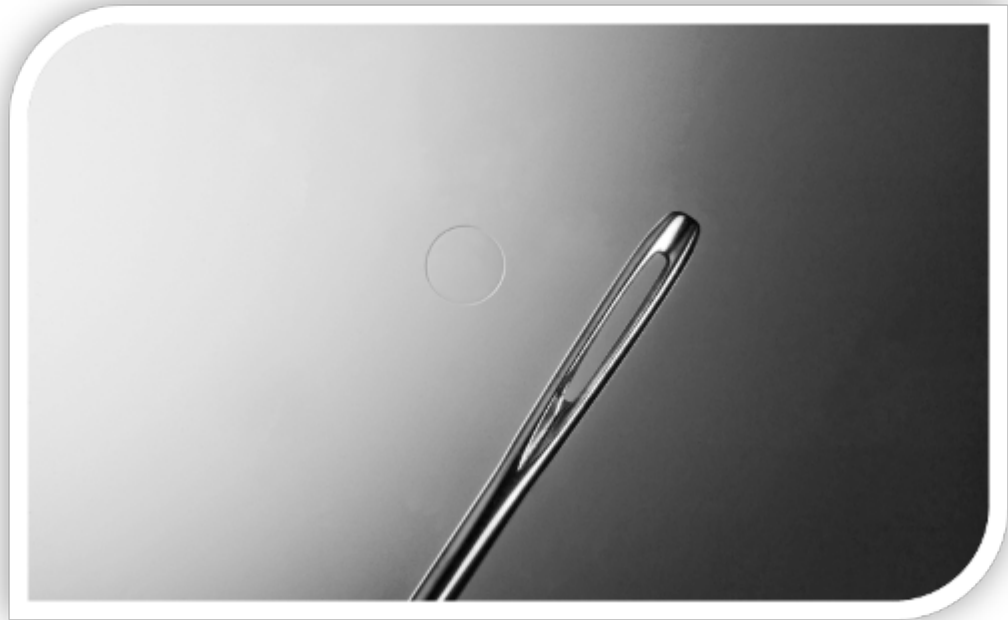
New inverted side cut option. The only Intralase capable of making this safer flap

- IntraLase technology is being used all over the world. But since 2009, The Eye Center has acquired the most advanced and sophisticated IntraLase technology in the world.
- iFlap IntraLase makes a unique customizable flap for each patient
- It is the fastest IntraLase in the world, reducing patient anxiety and time to make the flap. It is up to 70% faster than some IntraLase models.
- True laser flap done with the IntraLase.
- The flap has a larger hinge for better stability
- The side angle of the flap edge is 135 to 150 degrees, making it a more secure flap, that is a safer flap edge. At The Eye Center we have found the healing and recovery much faster with greater patient comfort. This may seem like a minor point, but to an experienced surgeon and his patients, it means a good night's sleep.

raindrop[®]

NEAR VISION INLAY

NEAR VISION CORRECTION PROCEDURE



Raindrop is the world's first inlay to change the shape of the cornea (the clear, front part of the eye) to improve near vision and designed to reduce or eliminate the need for reading glasses. The outpatient procedure takes about 10-minutes and patients are able to resume most normal activities the next day.

tired of the
ON, OFF, ON, OFF
conversation?



Simply end it.



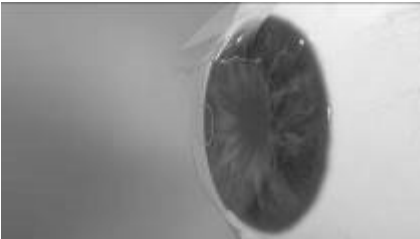
- The U.S. Food and Drug Administration (FDA) has approved the raindrop NEAR VISION INLAY, establishing a new standard in near vision correction.
- **Raindrop is incredibly small – about the size of a pinhead and less than half the thickness of a human hair – and is bioengineered to mimic the natural cornea. It is made of a soft, biocompatible material similar to a soft contact lens, comprising of approximately 80 percent water.**
- The approval is based on a multi-center clinical study that confirmed the safety and efficacy of this new laser vision correction procedure.
- Who should consider the Raindrop Near Vision Inlay?
- Age related loss of near vision or presbyopia is the condition that leaves many of us reaching for reading glasses in our 40s and early 50s. Anybody who needs reading glasses for daily tasks such as using mobile phones, reading a menu, fine print or doing close-up work may be a candidate.

How common is presbyopia?

Presbyopia, the condition that decreases your eyes' ability to focus on near objects, affects more than a billion people in the world, according to the *Archives of Ophthalmology*. Everyone eventually develops presbyopia. It affects most people in their 40s and early 50s. It occurs when the natural lens inside the eye loses its flexibility to focus on near objects.

What is the inlay, exactly?

It is a tiny disc, about the size of a pinhead. It is comprised of approximately 80 percent water and is placed just beneath the surface of the eye. It works by gently changing the central curvature of the cornea, clear front part of the eye. Raindrop® is made of a soft, biocompatible material similar to a soft contact lens, which has similar properties and water content as the cornea.



Is it painful?

Numbing drops are given for the procedure, but most patients do not experience any pain.



Does it interfere with far vision?

While Raindrop is implanted in one eye only, both eyes work together to create one image. The Raindrop eye provides an improvement in near vision associated with a slight decrease in distance vision. **With both eyes working together there is not a compromise for distance vision and patients still have a significant improvement in near vision.**



Is it safe for the eye?

Extensive trials and usage show that it is safe. This was confirmed by the US FDA. Raindrop is bioengineered to facilitate the transport of nutrients and fluid to the eye.

Can the inlay be removed if necessary?

Yes, the Raindrop can be removed and most patients go back to their vision before Raindrop.

How does it work in low light?

Very well. Since Raindrop is transparent 99.7% of light passes through the inlay reaches the back of the eye where the image is processed.¹ Raindrop offers patients good performance in all lighting conditions.

Who developed this product?

The company that developed manufactures, and markets Raindrop is ReVision Optics, Inc. based in Southern California. The company focuses on the research and development of custom optical solutions dedicated to presbyopic vision correction.

How does the procedure work?

Raindrop works by gently changing the shape of the cornea. One Raindrop Near Vision Inlay is placed in the cornea of the non-dominant eye. Both eyes work together to create one image. The near vision is improved in the Raindrop eye, while the distance is slightly affected. With both eyes working together there is not a compromise for distance vision and patients still have a significant improvement in near vision.

What is the procedure like?

It is easily done as an outpatient procedure and takes about 10-minutes. Patients should be driven home after the procedure and should take it easy the rest of the day. Most patients return to normal activity the next day. Most people who have had the Raindrop implanted, see an improvement in their near vision by one week and it continues to improve for several weeks.¹ Patients need to use eye drops for several months for comfort and healing.

How effective is the Raindrop Near Vision Inlay procedure?

In the FDA, clinical study, within one week after the procedure patients on average gained 5 lines of near vision on an eye chart without the need for reading glasses. Their vision continued to improve over the next several weeks and months.¹

1. Raindrop Near Vision Inlay Prescribing Label, ReVision Optics, Inc. Please see Professional Use Information and/or Patient Information Brochure for a complete list of Potential Risks, Warnings and Precautions. www.raindropinlay.com

Simply end the conversation with readers



Making your Raindrop® Near Vision Inlay experience *simple*.

To help you achieve the best outcome with Raindrop, there are a few steps you need to follow. This brochure outlines what you need to know before and after the procedure. If you have any questions, be sure to ask your doctor.



WHAT TO DO
BEFORE THE
PROCEDURE

Measure and Correct

- **GET ENGAGED.** Your doctor will be giving you information, appointment reminders, and exams before and after your procedure.
- Fill your prescriptions provided by your doctor two days prior to your procedure.

**THE DAY OF
THE
PROCEDURE**

- Do not wear any makeup or face creams
- Make sure all residual mascara and eye makeup is removed
- Plan on having someone take you home
- It is a day to celebrate, but plan to rest and take a nap when you get home



Visual Quality Results

ENJOY YOUR NEW AND IMPROVED NEAR VISION

After your Raindrop® Near Vision Inlay procedure, it is normal to have watery eyes and sensitivity to light in the first day or two. You may experience a slight scratchy, irritated feeling. While you are noticing an improvement in your near vision and it is closer than you are used to, your distance vision may be blurry.

IMPORTANT: Do not rub your eyes and be sure to wear an eye shield while sleeping.

After the first month, you should notice an improvement in your near vision at a more comfortable distance. Your eye is still healing, and your vision will become more consistent over the next few months. You may notice halos or glare around lights at night, but that should reduce over time too. Continue to use preservative-free artificial tears as needed.

**CONTACT YOUR DOCTOR
IMMEDIATELY IF YOU ARE
EXPERIENCING PAIN OR IF YOUR
VISION GETS WORSE.**



Results seen as early as *week 1*

- On average, patients improved approximately 5 lines of near vision on an eye chart without readers within 1 week.
- A dramatic difference through 24 months: Two years after receiving Raindrop, most patients were able to see everyday things again—without readers.

● **98%** could read the text size of a newspaper article
(20/40 Near vision)

● **76%** could read the standard text size of an email on a
computer screen (20/25 Near vision)

“Consider enjoying more of life with less reading glasses and contact lens hassles.”

Safety information



- Among 135 patients who had the recommended procedure, the majority of side effects were mild, and none resulted in any long-term issues. There was also a low amount of complications.
- Starbursts, scatters from bright lights (glare), and rings around lights (halos) may be visible after the procedure but will likely improve in time.
- Dry eye may worsen, but can be treated with over-the-counter eye drops to maintain eye comfort. If for any reason, Raindrop is not right for you, it can be easily removed by your doctor.

The Eye Center Difference

What we offer in our service and follow up make the choice clear. Our lifetime commitment to patient care is the corner stone of the practice. Since 1989 we offered excellence in care. We strive to offer the most advanced proven technology to our patients. As a result, **The Eye Center** grew to become one of the largest practices in the DC metropolitan area, and a renowned leader in vision correction.