LASIK

Anaheim Eye

Focused on Clear Vision

Anaheim Eye

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LASIK

FOCUSED ON **CLEAR VISION**

Imagine waking up each morning to clear sight, without reaching for contacts or glasses.

Imagine not worrying about water, wind or late nights making your eyes uncomfortable.

Now, imagine learning about laser and implant procedures that could make these thoughts a reality.

At Anaheim Eye , we know that seeing your best is about being your best. We're here to provide clear answers on laser procedures that can reduce your dependence on corrective lenses.

This brochure is designed to help you research your options and make that important decision. We also encourage you to consider scheduling a consultation to determine which procedure is best for you.

M. Reza Neal, MD

Dr. Neal is the Medical Director and Chief of Surgery at Anaheim Eye Medical Group, Inc. He initially joined the practice in 2005 and since then has been the lead surgeon on staff. Dr. Neal has advanced training in corneal and laser refractive surgery, which has allowed him to offer patients the most advanced surgical techniques, yielding unparalleled surgical outcomes. Dr. Neal began his education at the University of Pennsylvania where he excelled academically and was accepted to one of the nation's premier medical schools, Wayne State University School of Medicine. By graduating at the top of his medical school class, he earned a coveted residency position at Vanderbilt University Medical Center for specialized training in ophthalmology. After the completion of his residency, Dr. Neal pursued further fellowship training in advanced surgical techniques for implant and LASIK eye surgery at the prestigious New York Eye and Ear Infirmary.

Dr. Neal pursued further fellowship training in advanced surgical techniques for implant and LASIK eye surgery at the prestigious New York Eye and Ear Infirmary. He is a Diplomate of the American Board of Ophthalmology, and his work has been published in multiple peer-reviewed medical journals, including the American Journal of Ophthalmology and the Journal of Cataract & Refractive Surgery.

ENJOY LIFE WITHOUT LIMITS.

Why Choose ANAHEIM EYE?

Simply because Anaheim Eye has, since its inception in 1958, been a leader in vision correction surgery. Our surgeons have highly specialized and advanced training in laser and technologies to provide you with a wide array of state-of-the-art solutions to correct your vision and reduce your dependence on glasses or contacts. Additionally, we lead the country in our adoption of the world's most advanced technology and pride ourselves on combining the most advanced techniques with the most state-of-the-art equipment to safely and effectively correct your vision.

Perhaps the most important factor involved with laser or implant vision correction is the expertise of your surgeon. With decades of combined surgical experience, our surgeons, lead by M. Reza Neal, MD, our chief of surgery, are committed to helping patients safely restore and renew their vision to improve their quality of life.

Anaheim Eye

Focused on answers about

LASER VISION CORRECTION

Is Laser or Implant Vision Correction Right for You?

Innovations in technology are allowing more people to qualify for laser vision correction than ever before. Generally speaking, anyone who sees well with glasses or contacts and has not had a significant increase in their prescription in the last 12 months is most likely a good candidate. People with certain medical conditions may not be good candidates. The specialists at Anaheim Eye will help you evaluate your options with an extremely thorough eye examination and take the opportunity to learn more about you, your expectations, and your lifestyle. All of these factors play an important role in choosing the laser vision correction technique that's right for you.

What Should You Expect?

Realistic expectations for vision correction surgery are important. The goal of LASIK is to reduce or eliminate your dependence on glasses or contacts, and while many patients experience dramatically clear results, it does not always create "perfect" vision. Some patients still need occasional reading or driving glasses after the procedure.

Although there are many benefits to laser vision correction, there are also risks. This is why the surgeons at Anaheim Eye use the most advanced technology available to minimize risk and maximize accuracy. Refer to our Ten Keys to Quality Laser Vision on page 14 to learn more.

FIND BEAUTY
in places you've never thought to look

"I should have done this years ago!"

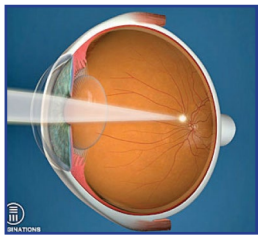
– Charles B, Boeing Engineer

CHERISH

the ability to focus on the little things

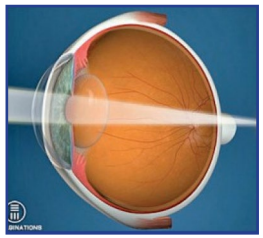
LASIK

LASIK—or Laser-assisted in-Situ Keratomileusis—utilizes the Excimer laser to reshape the front window of the eye called the cornea. Anaheim Eye specializes in LASIK technology, which includes the latest innovations of all-laser LASIK and custom LASIK. These procedures reshape the cornea to correct:



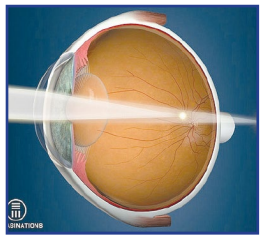
Nearsightedness

People who are nearsighted see near objects more clearly than distant ones. In the nearsighted eye, either the cornea is steeper or the eye is slightly longer than normal, so light rays converge and focus in front of the retina. In nearsighted patients, the cornea is flattened through LASIK or PRK by removing a thin layer of tissue from the center of the cornea.



Farsightedness

People who are farsighted see distant objects more clearly; however, all objects may be blurred. In the farsighted eye, either the cornea is flatter or the eye is slightly shorter than normal, so light rays do not have enough space to converge and focus. In farsighted patients, the center of the cornea is made steeper through LASIK or PRK by reshaping the outer portion of the cornea.



Astigmatism

Astigmatism is the inability to focus clearly at any distance due to an irregular or misshapen cornea. Light rays focus at various points within the eye, causing distorted vision. Astigmatism is often combined with nearsightedness and farsightedness. For astigmatism, the oval-shaped cornea is made rounder by reshaping the cornea in one direction or the other.

"I never realized how important the little things are. Now I can see the alarm clock at night without reaching for my glasses."

–Leyla H, mother of 3

The **LASIK** Procedure

During LASIK surgery, your eyes are numbed using an eye drop and a medication to help you relax. Your surgeon will then place an eyelid holder between your eyelids so you don't have to worry about blinking. Next, a thin protective flap is made in the cornea. You may feel pressure, but you shouldn't feel any pain. At Anaheim Eye, we use all-laser LASIK technology for creating the flap instead of the manual technique, which uses a handheld blade device called a microkeratome to make the flap in the cornea. The Excimer laser then reshapes the cornea. This traditional LASIK surgery has long been the standard in laser vision correction.

After your protective flap is positioned back, a cool Excimer laser beam gently reshapes your cornea. The procedure lasts only a few minutes per eye. The protective flap is then folded back into place, where it bonds with your eye without stitches. Most people can return to work the next day.

Anaheim Eye offers completely blade-free LASIK options, which are the most advanced available, while other centers may only offer blade LASIK procedures.

get closer to

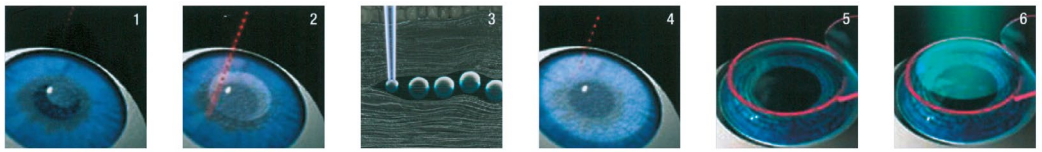
NATURE

All-Laser LASIK Surgery

All-laser LASIK is even more precise than traditional LASIK. This procedure uses a laser instead of a blade to make the thin protective flap and shape the cornea. All-laser LASIK provides incredible accuracy, which may enable patients who have been previously dismissed as high risk to be re-evaluated for laser vision correction surgery. This increased level of safety and accuracy significantly reduces the possibility of complications.

The All-Laser LASIK Procedure

[1]All-laser LASIK is a completely bladeless procedure [2]in which a protective flap is formed in the cornea using a very precise laser. [3-4]The laser creates this flap by forming a circular cleavage plane starting at one side of the cornea. [5]The protective flap is then lifted back and [6]the cornea is gently reshaped using a tiny laser beam.



"It's the detail that shocked me. colors are more vibrant... everything is so crisp."

–Mallory M, Ophthalmic Technician

“I can’t begin to explain what a profound difference this has made in my life. It has completely changed the way I see the world”

–Sarah S, Business Executive

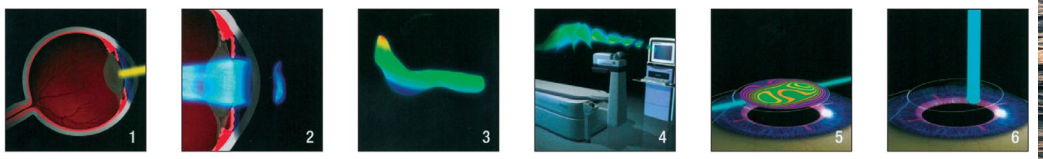
Custom LASIK Surgery

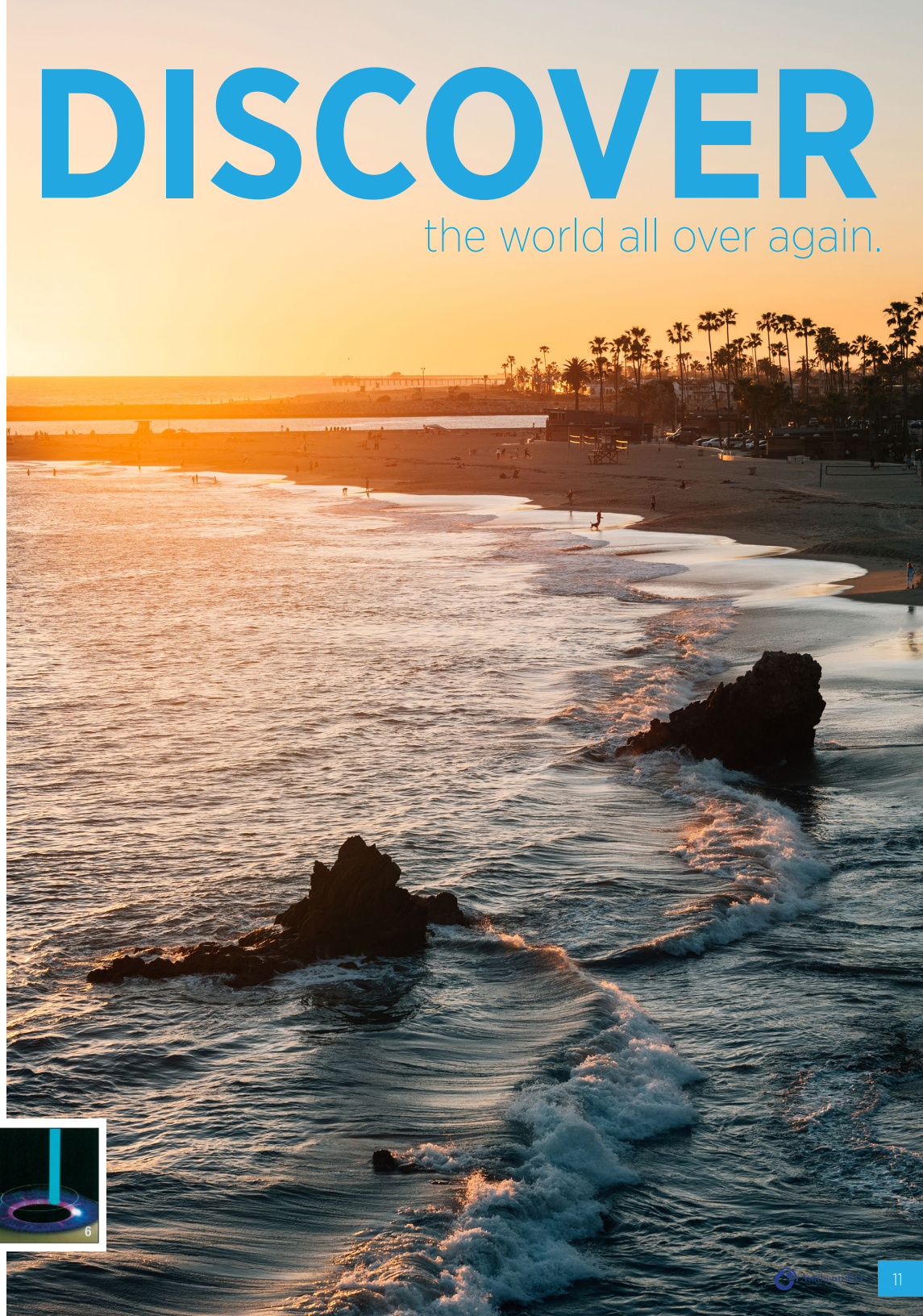
Custom LASIK technology provides the most accurate form of laser vision correction by mapping your eyes’ unique visual irregularities to include those that cannot be addressed by traditional glasses, contact lenses or even conventional laser surgery.

Anaheim Eye exclusively performs this highly advanced surgical procedure in conjunction with blade-free, laser flap technology. All-laser LASIK, in combination with custom technology, is considered the most precise LASIK available today.

The first step in a custom laser treatment is to measure the eyes’ unique optical characteristics by using wavefront technology, which passes waves of light through a patient’s eye to measure visual distortions.

[1]As the light waves exit the eye, [2]the wavefront measuring device compares them to an ideal wavefront measurement, which is the ultimate goal. The difference between the two is calculated, and the system creates a personalized 3D map [3]of the exact pattern for corneal reshaping during laser vision correction. The wavefront map is then electronically registered [4]in the Excimer laser to guide [5]the procedure, providing the most accurate laser [6]vision correction available today.





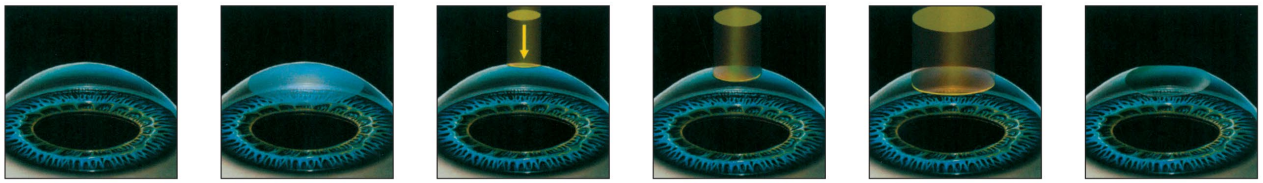
Although LASIK is a good option for many vision correction patients, other quality options are also available to suit your diagnosis.

Photorefractive Keratectomy (PRK)

Like LASIK, PRK uses a cold pulsing Excimer laser to reshape the cornea. However, rather than creating a flap, PRK removes the surface cells of the cornea itself. Because all adjustments are made on the surface of the eye, the whole procedure is entirely bladeless and doesn't require the creation of flaps. PRK is a good option for low and moderate corrections. The return of vision is not as fast with PRK as with LASIK, yet long-term visual outcomes are typically equal. Occasionally, PRK can even be a better option than LASIK, depending on the characteristics of your eye.

Advanced Eye-Tracking Technology

Our eyes are always moving—even during LASIK or PRK surgery. To compensate for the eye's motion, our advanced tracking technology system precisely follows your eye movements. Once the tracker is locked on to the eye, the laser provides the exact pattern for corneal reshaping. The tracker then guides the placement of laser pulses that correct your vision for maximum precision and accuracy.



"My optometrist was amazed at the improvement in my eyesight and the stability of the results. Now I see even better than I did wearing my glasses."

–Tina S, Registered Nurse


make your sight a
MASTERPIECE

Ten Keys to Quality Laser Vision Correction

The decision to undergo LASIK surgery is one that will impact your life forever. Fully evaluate your surgery center with the following keys to ensure a quality procedure and result.

1 Completely Bladeless Procedure.

In traditional LASIK surgery, the cornea flap is created with a blade. This generally provides good results, but it carries more risk and can be difficult to ensure an accurate depth and consistent results in all patients. Your doctor should also offer completely bladeless all-laser LASIK that delivers unprecedented accuracy and consistent results.

2 Sterilized Instruments for Each Eye.

To decrease the risk of infection, your doctor should use completely separate, sterilized equipment for each eye, even if you are having both eyes done on the same day. Some surgery centers reuse blades and equipment on the second eye, which increases the risk of infection.

3 Advanced Eye-Tracking Technology and Tear Film Analysis.

Don't worry about your eye moving—advanced tracking technology follows the eye to make sure every laser pulse is put in an accurate location. In addition, the amount and quality of tear film is essential to how the cornea will heal after surgery. If your tear film is inadequate, we will correct it to an optimal level before proceeding.

4 Custom Laser & Wavefront Technology.

Wavefront technology should be used to measure the high- and low-order aberrations to calculate the total optical fingerprint for your eyes. Custom laser technology should be available to maximize the quality of your vision and reduce the risk of glare and halos at night.

5 The Latest Excimer Lasers.

Having the most advanced lasers and technology upgrades ensures your eyes have the most precise procedure. Anaheim Eye utilizes the industry's latest Excimer lasers, the VISX STAR S4 and the Allegretto Wavelight.

6 Pentacam & Nidek OPD Computerized Corneal Topography.

If an irregularity on the curvature of the cornea is not detected before surgery, you may experience poor results. Pentacam and OPD Topography diagnose these different irregularities, and both should be used as important pre- operative measurements to maximize a favorable outcome.

7 Corneal Thickness Measurements.

If corneal thickness is not measured or is measured incorrectly, there may not be enough tissue preserved during the surgery. As a result, you may have irregular vision. If the cornea is not thick enough for laser vision correction, then implant technology may be a great option for you.

8 1% Cyclogel Dilated Eye Exam.

Using drops with 1% Cyclogel dilates the pupil and relaxes the lens, allowing your doctor to achieve a more accurate measurement of nearsightedness or farsightedness and to ensure that the retina and internal eye are healthy.

9 Long-Term After-Care Backed by Experience.

Service from your doctor shouldn't end with the procedure. Your after-care should include multiple follow-up visits between one day and two years after your refractive surgery. Anaheim Eye is committed to ensuring individual care for each patient, along with the highest level of experience available.

10 Lens Implant Options.

Anaheim Eye also offers advanced lens implant options for patients who may not be good candidates for LASIK or PRK. By offering these lens implants, we can help more patients lower their dependence on glasses without pushing laser technology past its capabilities.

Anaheim Eye

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