



## ARE YOU A CANDIDATE?

The ideal LASIK patient is someone who is age 18 years of age or over, and has healthy corneas with a relatively stable prescription. People with certain medical conditions or pregnant woman may not be good candidates. Candidates should also have a good understanding of the potential risks and benefits of LASIK. The best way to find out if you are a good candidate is to arrange for a free LASIK consultation. You will know in minutes whether this procedure is right for you. During the evaluation we will answer any questions that you may have and discuss your post-surgery expectations.

We're also committed to making the life changing benefits of clear vision affordable. Dougherty Laser Vision accepts most common forms of payment, including all major credit cards. Financing with a range of extended payment plan options is also available through CareCredit.



**Paul J. Dougherty, M.D.** is one of the most experienced and respected LASIK and Cataract surgeons in the world. He has performed over 30,000 vision correction procedures since 1993, and served as a principal investigator on multiple FDA trials that

helped pioneer today's new generation of lasers and lens implants. He personally evaluates and treats all of our vision correction surgery patients.

Such experience breeds trust. That's why Dr. Dougherty has become the "Doctor's Doctor." Hundreds of physicians and other healthcare professionals, including other vision correction surgeons, have made Dougherty Laser Vision their choice when it comes to correcting their own eyesight.

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Quality Vision**

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# L A S I K

## *CATz Topography Guided LASIK*



**Featured on** 

- > **New CATz Technology**
- > **Better Vision While Reducing Risk**
- > **FREE Consultation**

**DLV VISION**

# BRING YOUR WORLD INTO FOCUS WITH LASIK

## CATz Topography-Guided LASIK?

CATz technology provides uniquely detailed topographic (elevation) maps of the cornea (the clear window in the front of the eye) - one of the cornea prior to surgery, and another of the cornea as it should appear after correction with LASIK. These before and after images enable the surgeon to correct nearsightedness and astigmatism with a high degree of precision, as well as smooth out even minor irregularities to improve vision quality and night vision. As a result, in the FDA study of technology, the percentage of patients achieving better than 20/20 vision (supervision) was higher than standard treatments, and for the first time ever, as a group, patients had better night vision after LASIK than they did in their glasses or contacts.

LASIK Surgery is the process of correcting nearsightedness, farsightedness and/or astigmatism by changing the shape of the cornea under a flap of corneal tissue. The CATz laser fires a stream of up to 40 pulses of invisible ultraviolet light per second to sculpt the cornea. Each pulse lasts only a few billionths of a second. Each pulse removes a tiny bit of tissue by evaporating it. To treat nearsightedness, the pulses are placed in a pattern that makes the cornea flatter. Excimer laser light does not penetrate the eye and does not harm the iris, lens or retina. The laser produces very little heat and is controlled by the doctor during the operation.

Like regular LASIK, Topography-Guided LASIK uses manifest and computer-generated refraction measurements of your nearsightedness and astigmatism to plan the

treatment for your eye. In addition, it uses a corneal topography map of the shape of your cornea to treat small, local irregularities that cannot be corrected by glasses.

LASIK is performed on one eye at a time. Assuming that all goes well with the first eye, the second eye is typically treated on the same day.



## Are you wondering what life would be like with clear vision?

Wondering what life would be like free of glasses or contact lenses? Then you owe it to yourself to consider LASIK. It is a relatively comfortable, safe and effective outpatient procedure that corrects a wide range of vision problems. There's a reason so many people are getting LASIK these days. It really can improve your eyesight — drastically in many cases. Compared to other vision correction procedures, LASIK provides a number of very important advantages. There's typically little or no post-operative discomfort. Recovery is fast and complications are rare. Your vision returns quickly (typically within 4-6 hours), usually without the need for glasses or contacts. Take the first step to better vision and schedule a free LASIK consultation today.

## Understanding the most common vision conditions that can be corrected with LASIK.

Clear vision is the result of light passing through a perfectly shaped eye so that it focuses clearly on the retina. Abnormal focusing conditions of the eye are called refractive errors and consist of the following:



### NEARSIGHTEDNESS

Nearsightedness occurs when the cornea is too curved. Light focuses before it reaches the retina, which causes distant objects to appear blurry.



### FARSIGHTEDNESS

Farsightedness occurs when the cornea is too flat. This causes light to focus at a point beyond the retina, resulting in blurry close vision when you are younger and blurry distance as you age.



### ASTIGMATISM

Astigmatism occurs when the cornea is oval-shaped. When light passes through the cornea, it focuses in more than one place, which causes images both near and far to appear blurred and distorted.



## LASIK STEP 1

The surgeon creates a small protective flap of the corneal tissue that is gently lifted back.



## LASIK STEP 2

The excimer laser applies a cool beam of light, which gently reshapes the cornea to correct your vision.



## LASIK STEP 3

The protective flap is gently placed back in its original position and begins healing immediately.