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ALL EYE CARE SERVICES UNDER ONE ROOF

INDIA'S LARGEST SMILE NETWORK

ROBOTIC PRECISION LASER TECHNOLOGY

SAFE & PROVEN TECHNOLOGY

MOST AWARDED EYE CARE HOSPITAL

CENTRE FOR SIGHT super speciality eye care hospital and institute, **DWARKA**

• Patient Information Brochure • Not valid for legal purposes

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EXPERIENCE FREEDOM WITH BLADE FREE **LASIK**

Get rid of glasses and changing lenses frequently

CENTRE FOR SIGHT

Every eye deserves the best

THINKING ABOUT LASIK?

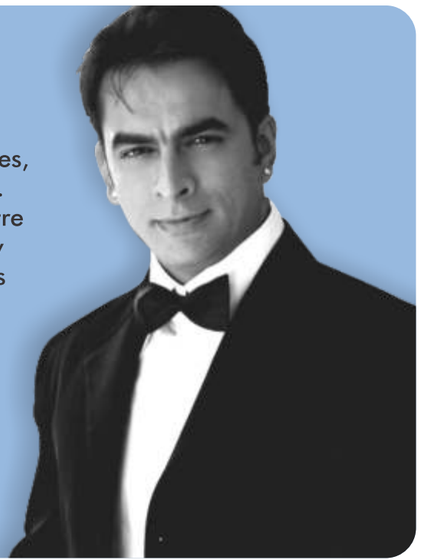
Take the next step!

Put your doubts to rest and schedule a consultation with our eye surgeon to determine if you are a good candidate for the procedure.

Seek answer to all your queries and carefully review the Patient Information Booklet.

Schedule your blade free LASIK procedure and get rid of your glasses.

"When it comes to my eyes, I trust only the very best. That is why I chose Centre for Sight to get rid of my glasses. The treatment is permanent, has no side effects and gave me the freedom to live to the fullest."



BLADE FREE LASIK

The Next Generation LASIK

Have you been thinking of laser vision correction? Shed your doubts, concerns, spectacles and contact lenses too, because blade free LASIK has arrived. With this technology, laser vision correction procedure has become 100 percent blade-free and completely safe.

NASA recommends blade free LASIK to aspiring astronauts to get rid of their spectacles, as it can withstand high gravitational forces and has been found to be stable and secure even in extreme environmental conditions.

BLADE FREE LASIK VERSUS LASIK

In any LASIK procedure the first step is to create a corneal flap. In standard LASIK the surgeon uses a hand-held oscillating blade called microkeratome to cut the corneal flap. The flap is then folded and the Excimer laser treats the cornea to correct the refractive error.

In blade free LASIK, femtosecond laser has replaced the steel blade for creation of the corneal flap which improves visual outcome and post-operative comfort for the patient.

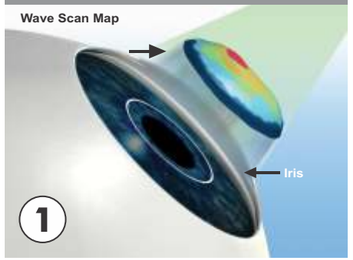
When you opt for advanced blade free LASIK procedure you get a completely integrated, personalized vision correction procedure based on cutting edge technology at every step.

STEP -1

CREATING YOUR PERSONAL VISION PROFILE

The blade free LASIK procedure is customized for the patient. The first step in this procedure is to perform a series of tests to determine the individual characteristics of your vision, including the WaveScan technology. The WaveScan system creates a 3-D map of the unique imperfections of your eyes. Then the advanced CustomVue process uses the digital information from that map to design a customized treatment for each of your eye. The procedure is based on your personal vision profile.

INDIVIDUALIZED MEASUREMENT

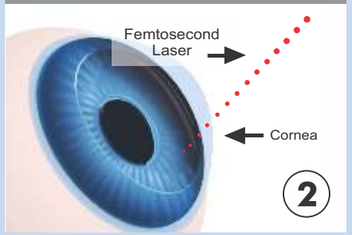


STEP - 2

MAKING THE FLAP

In blade free LASIK procedure, a femtosecond laser passes through the top layers of the cornea and forms a microscopic bubble at a specific depth and position within the eye, predetermined by the doctor. The laser moves back and forth across the eye, creating a uniform layer of bubbles beneath the corneal surface.

LASER-CREATED FLAPS



The doctor creates the corneal flap by gently separating the tissue where the bubbles have formed. The flap created through this process is folded and the Excimer Laser corrects the refractive error of the eye. The corneal flap created through the laser is many times more accurate than a mechanical instrument (read microkeratome). It is a proven fact from clinical studies that precise flap dimension is a critical factor in the visual outcome by laser vision correction. The blade free LASIK method delivers outstanding visual results. A large number of patients report 20/20 or better vision with the use of this technique.

STEP - 3

LASER VISION CORRECTION

Once the corneal flap is created, the cornea is treated to correct the refractive error with Excimer laser. This laser has earned FDA approval to treat the broadest range of vision imperfections possible, including mild-to-severe nearsightedness, farsightedness and all types of astigmatism.

WHY IS BLADE FREE LASIK BETTER?

1. PRECISE CORNEAL FLAP RESULTS IN IMPROVED VISUAL OUTCOME

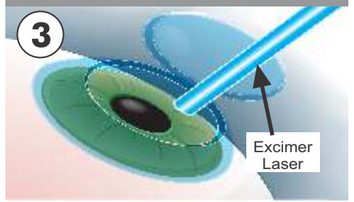
In a standard LASIK procedure, a microkeratome makes a single, one-dimensional cut across the cornea. As it cuts, the blade oscillates back and forth, which can leave an irregular surface after the flap is lifted.

In contrast to it, femtosecond laser used in blade free LASIK gives a precise, perfect corneal flap. In a clinical study, patients who got corneal flap created with microkeratome in one eye and femtosecond laser in another, experienced better vision in the latter.

2. SAFER THAN STANDARD LASIK: The precise and perfect corneal flap avoids a majority of sight-threatening and non-sight threatening complications possible with traditional LASIK.

3. TREATS PATIENTS WITH HIGH REFRACTIVE ERRORS AND THIN CORNEAS TOO: A thinner and more accurate cornea flap allows patients with thinner corneas or those with higher corrections qualify as a candidate for laser vision correction through blade free LASIK.

WAVEFRONT-GUIDED VISION CORRECTION

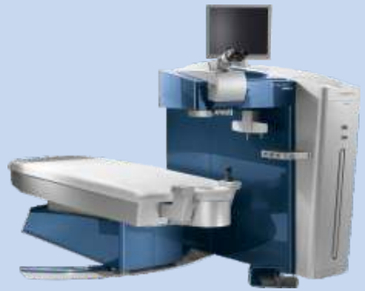


In a clinical study conducted one year later on blade free LASIK patients:

100 percent of nearsighted patients and more than 95 percent of all patients could pass a driving test without glasses.

WHO CAN BE A LASIK CANDIDATE?

The fact is that majority of people who meet the age and general health requirements are good candidates for blade free LASIK procedure.

The basic criteria are:

- You should be 18 years old.
- You should be in good general health.
- You should have a stable vision prescription for at least six months.
- You should have no existing eye disease.
- You should not be pregnant or nursing.
- You should have cornea of adequate thickness.