

# Modern solutions

THE STAR  
U/C/O/CE - KHA OLS

PRESCRIPTION glasses are no longer the only corrective option for vision problems. Thanks to developments in eye surgery, several conditions that can be corrected are:

- **Myopia** – Also called nearsightedness, myopia occurs when the eyeball is too long, causing light rays to focus at a point in front of the retina.

- **Hyperopia** – Known as farsightedness, hyperopia occurs when the eyeball is too short, causing light rays to focus behind the retina.

- **Astigmatism** – Caused by an irregularly shaped cornea, astigmatism occurs because the light rays that enter the eye fail to come to a single focus point on the retina.

## Lasik

Laser-assisted in situ keratomileusis (Lasik) is the most popular form of laser eye surgery. Used to treat myopia, hyperopia and astigmatism, it involves permanently changing the cornea shape using an excimer laser so that light entering the eye can focus properly on the retina.

Lasik is performed separately on each eye and each procedure takes only about five minutes. Most patients experience little to no discomfort after Lasik. In as soon as 24 hours, patients can enjoy 20/20 vision or better without glasses or contact lenses.

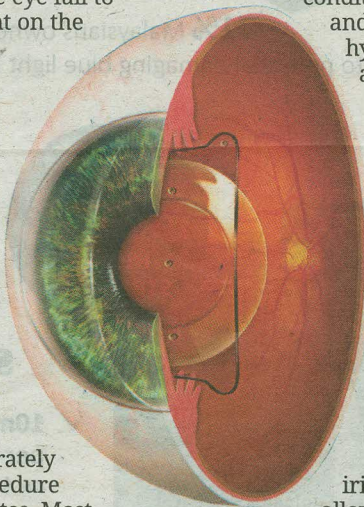
## iDesign System and Advanced CustomVue Lasik

Various gadgets can be used to diagnose and treat vision conditions, but one that does both is the iDesign Advanced WaveScan Studio System.

The iDesign System generates a high-definition scan that measures and maps irregularities of the eye that may impact vision. From these measurements, an accurate, personalised Lasik treatment plan is created based on the unique blueprint of each patient's eyes.

The laser system also contains an auto-centring eye-tracking system and an iris registration feature, which align the treatment and automatically compensates for eye movements during the Advanced CustomVue Lasik treatment.

It can measure and treat several conditions, including myopia with and without astigmatism, hyperopia with and without astigmatism, and mixed astigmatism.



## Visian ICL

As an alternative to Lasik, Visian Implantable Collamer Lenses (ICLs) (pic) are used to correct moderate to severe nearsightedness. Many top-performing athletes and military personnel in active duty have Visian ICLs because of the reliable visual clarity that they provide.

The lens is placed behind the iris, in front of the natural lens to allow light rays to focus properly on the retina. Patients cannot feel the lenses in their eyes.

Apart from regular eye check-ups, the lenses do not typically require any maintenance. Implantation of the lenses is a 15-minute outpatient procedure, after which one would usually experience an immediate improvement in her vision.

Recovery is usually pain-free and rather short. This procedure is recommended for people with thinner corneas or dry eyes.

■ For more information, call 03-8011 8033.