

How to choose the best IOL?

- Your eyes will be checked and the IOL will be measured before the surgery, using several advanced measurements which assess the,
 - Axial length of the eye
 - Refractive properties or power of the cornea
 - Predicted position of the IOL following surgery

Now you can benefit from all these facilities at the Jyotirmay Eye Clinic with the help of fully automatic devices playing a role in ensuring a high accuracy, better repeatability and optimization.

- Your eye doctor will choose the best IOL for you, depending on your visual needs and preference.
- It is a completely customized approach.
- The form of implanted IOL will decide how you see without glasses but in some cases glasses may still be required when engaging in certain activities.
- Patients with Astigmatism can go for *Toric* IOLs and other related treatment options available like limbal relaxing incisions.
- Premium IOLs have the capacity to ensure a near perfect vision even without the need of any glasses to be used for distance and near vision, so the best type can be chosen based on the patient's preference.

Information regarding types of IOIs:

Mono-focal lenses

Traditional [cataract surgery](#) which has been prevailing over decades, mainly focus on the correction of both eyes for distant vision where most patients will have to use reading glasses for near vision, after the surgery.

However, this particular correction of vision through Mono-focal intraocular lenses should not to be misinterpreted as 'Mono-vision', which is a separate entity where one eye would be operated for distant vision while the other is corrected for near vision.

Multifocal lenses

This is one of the latest types of IOL which significantly lowers or removes the requirement for using glasses and contact lenses. In fact, this carries several prescriptions all in one lens.

Multi focal lenses are designed with a series of focal sections or rings embedded in the lens and based on the initial point where light rays are directed from, the individual will be able to see both near and far away objects clearly.

However, it is better if one can go for IOL implantation in both eyes, to reach the maximum vision possible.

Important to Remember

- Multi focal IOLs have the complete potential of eliminating the need of wearing glasses with few exceptions such as people with disorders in the retina. Furthermore, some patients will also need glasses when reading small printed texts, reading in dim lights etc.
- The success rate of IOLs depends on the proper preoperative work up and selecting the right type of multifocal IOLs.

- Side effects of multi focals include glare or halos around lights and reduced sharpness of vision especially in low light (dim) especially in those who frequently drive at night or engage in work under dim light.

Toric IOL

This is a special type of mono focal IOL which is indicated in patients with Astigmatism-distortion or blurring of vision related to both near and distant objects.

As far as the requirement for glasses is concerned, most patients might need them in order to acquire a near perfect vision.

However, ones who do not want to wear glasses can go for an additional treatment called 'limbal relaxing incisions', which can be done during the [cataract surgery](#) or separately. In this surgical technique, smaller incisions (after a specific calculation), made on the cornea will help to create a more rounder and symmetrical shape.