HKSH Ophthalmology Centre

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Closed on Sundays and Public Holidays
Consultation by Appointment

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For enquiries and appointments,
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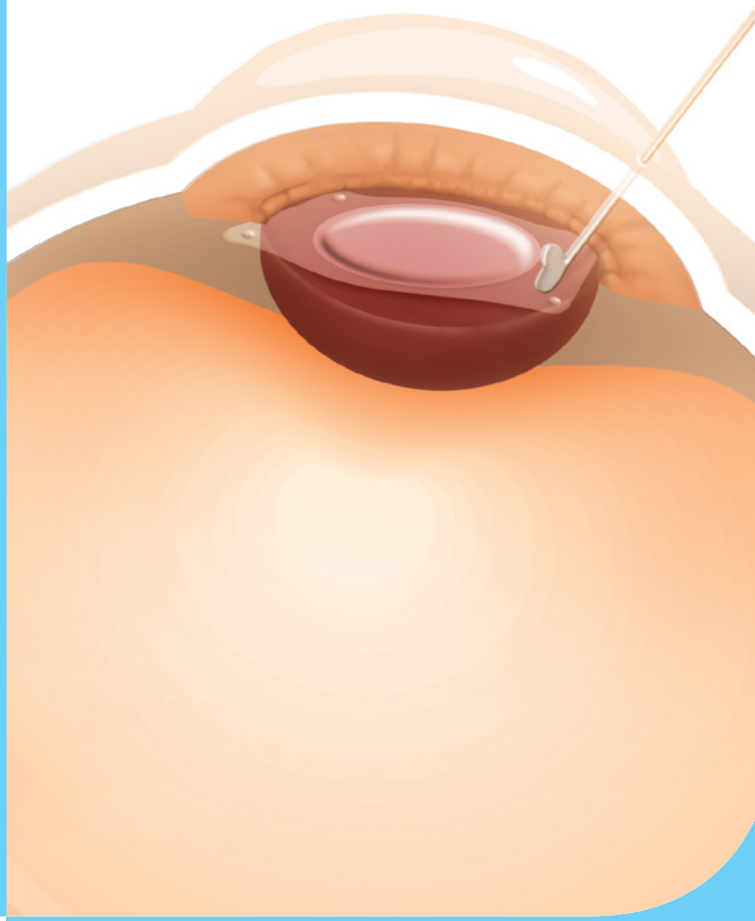
Implantation of Phakic IOL



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What Is Phakic IOL?

Intraocular Lenses (IOL) are artificial lenses which are placed inside the eyes. They are made of highly biocompatible plastic or silicone materials. Implantation of phakic IOL corrects refractive errors without removing the natural crystalline lens. Refractive errors occur when light rays pass through the eye are not focused on the retina, therefore blurred images are formed.

Phakic IOL causes light entering the eye to be focused on the retina providing clear distance vision without the aid of glasses or contact lenses. With the use of microincision technique, the procedure involves inserting an IOL in front of or behind the iris through a small incision.

Who Can Benefit from Phakic IOL Implantation?

Implantations of phakic IOL can correct a very high degree of refractive errors and maintain good quality of vision.

Range of Refractive Errors (in Dioptres (D))

- Up to 18D (1800 degrees) of myopia
- Up to 10D (1000 degrees) of hyperopia
- Up to 6D (600 degrees) of astigmatism

Is the Procedure Reversible?

Yes, implantation of phakic IOL is a reversible procedure. Phakic IOLs can be removed or replaced when needed.

What Is the Difference Between Phakic IOL and IOL Used In Cataract Surgery?

During cataract surgery, the eye's opacified natural lens (cataract) is removed and replaced by an IOL.

A phakic IOL is implanted in the eye without removing the natural lens. The patient retains the natural focusing capability (accommodation) for close objects after surgery as the natural lens of the eye is not removed. The risk of retinal detachment after surgery is much lower than cataract surgery.