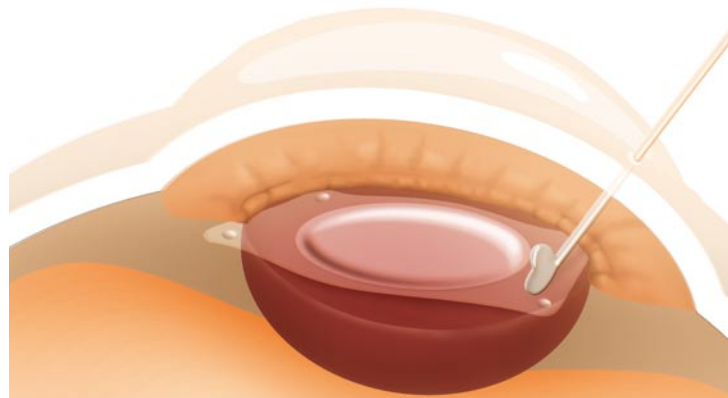


Implantation of
Phakic IOL
晶體前人工晶體植入



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What is phakic IOL ?

Intra-Ocular 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 is a type of refractive surgery that corrects refractive errors. Refractive errors occur when light rays pass through the eye but cannot focus on the retina and 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 minimally Invasive technique, the procedure involves inserting an IOL in front of or behind the iris through a small incision in the front of the eye.

Who is suitable for 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

- Up to 2500 degrees of myopia
- 1700 degrees of hyperopia
- 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 following cataract surgery?

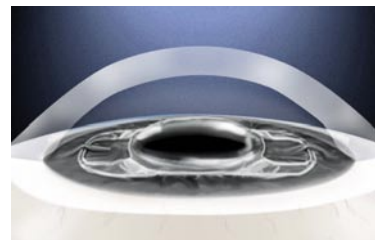
Phakic IOL is implanted in the eye without removing the natural lens. During cataract surgery, the eye's natural lens (cataract) is removed and replaced by an IOL.

Patients retain the natural focusing capability (accommodation) for close objects after surgery as the natural lens of the eye is not removed.

晶體前人工晶體是甚麼？

人工晶體是置於眼球內的晶體，由適合植入人體的塑膠或矽膠製成。晶體前人工晶體植入術適用於治療屈光不正。凡光線進入眼球後，因無法聚焦在視網膜上，導致影像模糊，這就是屈光不正。晶體前人工晶體可令光線聚焦在視網膜上，令影像回復清晰，減低病人對眼鏡或隱形眼鏡的倚賴。

手術過程是以微創技術在眼睛前方開一個小切口，在虹膜前或後放入人工晶體。



誰適合接受晶體前人工晶體植入術？

晶體前人工晶體植入術可改善深度的屈光不正，並保存良好的視力質素。

適用的屈光不正範圍

- 2500度近視
- 1700度遠視
- 600度散光

此手術可以還原嗎？

晶體前人工晶體植入術是可以還原的。如有需要，醫生可替病人移除或更換人工晶體。

晶體前人工晶體和白內障手術的人工晶體有何分別？

晶體前人工晶體植入術無須移除眼球內的自然晶體。白內障手術則須先移除已老化的自然晶體，並放入人工晶體作為取替。

由於手術不會移除病人的晶體，故可以保留眼睛的自動調節功能來看近物。