

The commands of the Lord are radiant, giving light to the eyes.

[Psalm 19:8b]

# Cataract

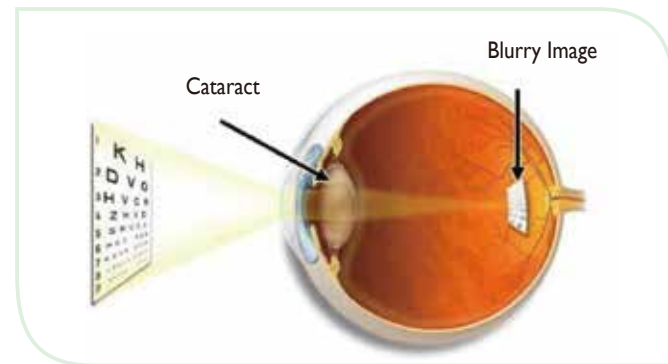
白內障



## What is Cataract?

The structure of human eye is similar to that of a camera. When light rays enter the eyes, they pass through the cornea and the lens. The cornea and lens focus an image automatically onto the retina, on which the optic nerve transmits the image to the brain.

Cataract means cloudiness of the lens. If the degree of cloudiness is getting more severe, it may obstruct the passage of light rays, vision will then become blurry. Hyper mature cataract may result in glaucoma and uveitis, or even blindness.



## How is Cataract Formed?

Cataract is mainly caused by natural degenerative process. Other causes include inheritance, trauma, diabetes mellitus and certain kinds of medication consumption.

### Symptoms of cataract

- Blurring
- Hypersensitivity to strong light
- Dimmer color sensation
- Poor light sensation when reading
- Frequent change in refractive error



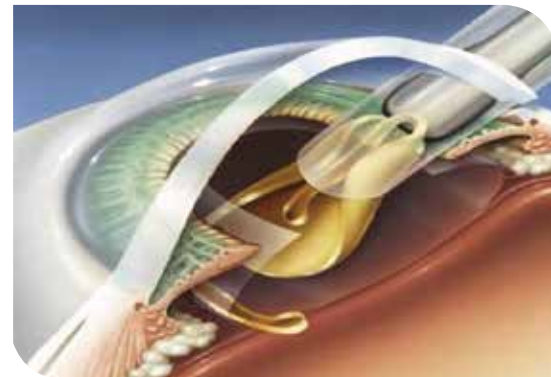
\* Please consult your eye doctor if cataract symptoms are found.

## How to Manage Cataract?

The only and most effective way to cure cataract is surgery. Thanks to the modern medical technologies, removal of cataract and implantation of intraocular lens (IOL) can be performed safely and effectively under surgical microscope. Cataract surgery is regarded as one of the most successful surgical procedures. More than 95% of cataract patients have their vision improved after the surgery.



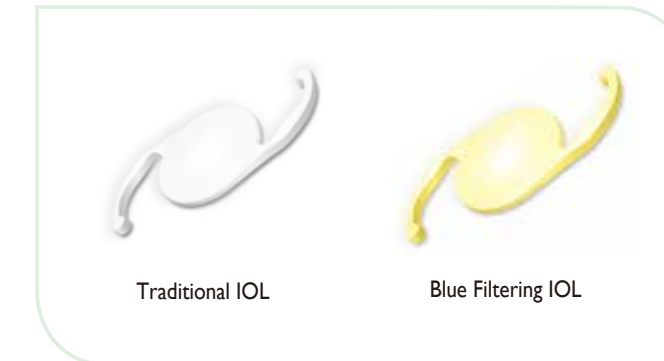
With the latest technology, Phacoemulsification, and the use of foldable IOL, the size of the surgical wound has been largely reduced. During the surgery, a small ultrasound probe is inserted into the eye through a very small wound. The ultrasound emitted from the probe will break down the cataract into small pieces, which are then absorbed by one of the orifices on the probe. Finally, the IOL is implanted.



## Current Choices of Intraocular Lens

The modern intraocular lens (IOL) not only focuses light but also blocks damaging light from the eye.

Traditional IOL can only block ultraviolet light. Blue filtering or blue blocking IOL can filter high frequency blue light, which possesses high energy, as well as ultraviolet light. This new filtering function, works like the natural lens, may further reduce the chance of retinal damage from blue light.



## Refractive Cataract Surgery

Cataract surgery restores vision by removing the cataract which blurs and blocks vision. The standard monofocal IOL has a single focus. Refractive cataract surgery further improves quality of vision through the use of an IOL with additional features, and reduces spectacle dependence.

Toric IOL corrects preexisting astigmatism together with myopia or hypermetropia in the same setting. Extended depth of focus IOL elongates the distance focal point to the intermediate zone to provide a greater range of vision. Multifocal IOL improves near and intermediate vision, and reduces spectacle dependence in some presbyopic patients.

	Distance Vision	Intermediate Vision	Near Vision	Astigmatism
Monofocal IOL	√ Choose one of the distance			Astigmatism correcting (Toric) IOL available for all designs
Extended Depth of Focus IOL	√	√		
Multifocal IOL	√	√	√	

You may consult your eye doctor in choosing the most suitable option based on specific needs.

\* For referral case, please contact the Centre for more information.

### Service Hours (By appointment only)

Monday to Friday 8:00 am to 6:30 pm  
 Saturday 8:00 am to 4:30 pm  
 Closed on Sunday and Public Holidays

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