

# OPTIMAX EYE SPECIALIST

New Vision New Life™

## Glaucoma



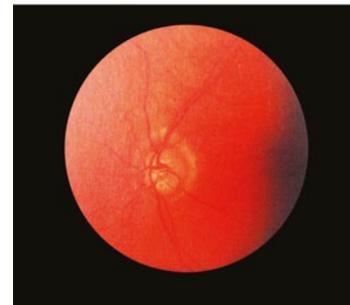
## Glaucoma

Glaucoma is one of the leading causes of blindness worldwide. In countries where the Chinese race predominates, the percentage of blindness caused by glaucoma has been estimated to be close to 20%. It is an eye disease in which the pressure of the fluid inside the eye is too high, resulting in permanent damage to the optic nerve (the pathway through which information is passed from the eye to the brain).

In glaucoma, the eye pressure is elevated. This is because too much fluid is produced inside the eye or the channel in the eye through which the fluid normally drains out is blocked.

Glaucoma causes irreversible damage to sight by its pressure effect on the delicate nerve fibres as well as the fine blood vessels that nourish them at the back of the eye.

Glaucoma develops and worsens gradually in the vast majority of cases. Patients are usually not aware of the damage until vision is significantly impaired or the visual field is greatly constricted.



Nerve damage in glaucoma

# Types of Glaucoma

## Chronic Open-Angle Glaucoma

This is the commonest form of glaucoma in most countries. It affects people who are middle-aged and older. Relatives of people with this form of glaucoma have a higher risk of developing this disease due to its hereditary tendency. People who are shortsighted are also at risk.

This disease progresses slowly and often unnoticed for many years. This is because the disease does not affect the straight-ahead vision and reading vision until the end stage. There is, however, a gradual loss of night vision and side vision.

The condition responds well to glaucoma eye drops but in a few cases, surgery is required to provide an additional drainage channel for the eye fluid in order to relieve the eye pressure.

## Acute or Angle-Closure Glaucoma

This is the most common type of glaucoma in Chinese. It affects the middle-aged and the elderly, especially women. There is a sudden, severe increase of pressure in the eye, resulting in permanent blindness if the eye pressure is not brought down promptly. Unlike chronic glaucoma, this form of glaucoma is associated with very dramatic symptoms such as severe pain in the eye, loss of vision, redness, seeing haloes around lights, headache and vomiting.

## Congenital Glaucoma

This type of glaucoma occurs at birth. It is rare. Enlargement of the baby's eyes, tearing and sensitivity to light are warning features to parents that their baby needs a full ophthalmological examination.

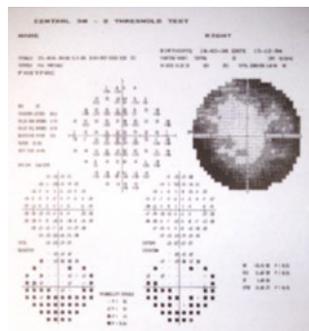
## Secondary Glaucoma

This is glaucoma caused by pre-existing conditions in the eye. For instance, inflammation of the eye, tumors, eye surgery, injuries or mature cataracts can all cause fluid to retain in the eye, causing high pressures to build up.

# Treatment

The earlier the condition is diagnosed, the greater are the chances of success in preventing further visual loss. Although the damaged nerve fibres and their lost function cannot be recovered, as long as the glaucoma is controlled, further damage can be avoided. The type of treatment depends on the form of glaucoma one has. It comprises medications (eyedrops and tablets), laser and surgery.

Following successful treatments, having normal eye pressures means the glaucoma is controlled, and further visual deterioration has been halted. It does not imply the condition has been cured. The patient has to be followed up on a regular basis to ensure the optimum eye pressure is maintained to prevent progressive damage to the eye.



Visual field constriction in glaucoma

# WHY CHOOSE OPTIMAX



## Experience

Since 1995, we are among the professionals to perform Lasik in Malaysia. Today, we boast over 90,000 satisfied clients.



## Modern Technology

From diagnosis equipment to sophisticated laser engineering, modern technologies are used.



## Total Convenience

With a comprehensive network covering most cities in Malaysia, customers can keep in touch with us more easily.



## ISO Certified

We are a corporation in Malaysia providing world-class Lasik services that fulfil stringent ISO requirements.



## Trusted Team of Professionals

We are occupied with a resident multi-specialty Ophthalmologist, practicing Optometrist, Vision Consultant, Nurses and Laser Engineer.



## Life Time Warranty

Our Vision For Life program warrants your Lasik vision for a lifetime.\*



## HPMRS

All our Lasik procedures achieved results of 99% in functional visual acuity and 100% in safety tests audited by the Healthcare Performance Measurement Report System (HPMRS).\*\*

\*Terms and conditions apply

\*\*Audited by third party

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