

Glaucoma is a disease of the optic nerve that causes progressive loss of vision. Worldwide it is the most common cause of irreversible blindness. Although medical treatments are often effective many patients need surgical treatment.

GLAUCOMA SURGERY

TRABECULECTOMY

Trabeculectomy is a surgical procedure for glaucoma which aims to lower pressure inside the eye and prevent loss of vision. Using new "safe surgery" techniques it is possible to slow or stop visual loss while minimising the risks of surgery.

GLAUCOMA DRAINAGE DEVICE

Glaucoma drainage devices are an alternative surgical procedure for glaucoma. Baerveldt Tube Surgery has been shown to be superior to Ahmed tube surgery in a recent large clinical study with excellent long term results. Dr Mustafa is the only surgeon in UAE that does the Baerveldt tube procedure.

GLAUCOMA LASERS

SLT

SLT or Selective Laser Trabeculoplasty is a laser treatment for glaucoma. Glaucoma is often caused by raised pressure within the eye caused by poor drainage of fluid through the eye's drainage channels (trabecular meshwork). The aim of SLT is to use a laser to improve drainage. SLT is painless, quick to perform and done as an outpatient procedure. SLT can be performed as a first line treatment.

Miopulse

Micropulse laser is an alternative laser procedure which aims to reduce the amount of fluid that the eye produces and thereby lower eye pressure. This procedure can now be entertained in all severities of glaucoma.

LASER IRIDOTOMY

A PI or peripheral iridotomy is a laser treatment for people with, or at risk of, a type of glaucoma known as angle closure glaucoma. The angle is the part of the eye where the fluid inside the eye (intraocular fluid) drains. If the angle is narrow or closed then fluid cannot drain and there can be a build up of pressure in the eye causing damage. A narrow angle is usually detected on a routine examination and most people who need a PI will have no symptoms.

MINIMALLY INVASIVE GLAUCOMA SURGERY

ISTENT

The iStent is a safe minimally invasive glaucoma surgery (MIGS) procedure that can reduce the need for daily use of glaucoma eye drops. A small (1mm) titanium drainage stent is inserted into the eye's natural drainage channel to lower intraocular pressure.

XEN GEL STENT

The Xen Gel Stent is a new minimally invasive glaucoma surgery (MIGS) procedure that aims to reduce intraocular pressure by inserting a small drainage tube into the eye. The stent allows fluid to drain from the anterior chamber into a reservoir (bleb) under the conjunctiva.