



## Carl Zeiss Narayana Nethralaya Glaucoma Training Programme

The Narayana Nethralaya 2 in collaboration with Carl Zeiss has established in the “Narayana Nethralaya Carl Zeiss Glaucoma Center” beginning October 2007. The center has state of the art equipment and techniques available to diagnose, monitor and manage common and uncommon types of glaucoma. In addition to excellent patient care, the center has taken up the responsibility of training the ophthalmologist in glaucoma diagnosis and management, so that the good quality care is available to more and more patients across different parts of country and world.

Carl Zeiss is the world’s leading solution provider for ophthalmic diseases including Glaucoma, Head Quarter in Germany, Carl Zeiss is an organizations with dedicated approach towards brilliance in every sense.

### Following are the facilities available at the center

Imaging Techniques:	Optic nerve fiber analyzer (GDx)
	Optical coherent tomogram (OCT)
	Heidelberg Retinal Tomogram - III
Disc Photography System	
Ultrasound Bio Microscopy (UBM)	
Perimeters :	Humphrey visual field analyzer with SWAP and GPA
	Frequency doubling Primeter
Tonometer :	Goldmann applanation tonometer
	Perkins tonometer
	Tonopen
	Pneumotonometer
	Schiotz tonometer
	I-care tonometer
Gonioscopes :	Four mirror gonioscope (Sussmann and Posner)
	Two mirror gonioscope
	Koeppe gonioscope
	Zeiss slit lamp with graticule and obsever (teaching) tube
Lasers :	YAG laser
	Green laser
	Diode laser for Trasscleral photocoagulation

Well equipped operating rooms for all kinds of microsurgery like Trabeculectomies, Phaco-trabeculectomy, Combined surgeries, Trabeculotomy and trabeculectomies (for conjenital glaucomas), Transcleral photocoagulation, Glaucoma implant surgeries, Non penetrating glaucoma surgeries etc.

**Training programs available at the center: The center offers fellowships and observer ships of different duration in glaucoma, both short term and long term, since January 2008.**

### **Long-term glaucoma fellowship.**

#### **Duration: 1 year**

Goal: To train the fellow in the diagnosis and management of different kinds of glaucoma.

At the end of the fellowship, the fellow would be able to understand the whole spectrum of glaucoma, independently handle various diagnostic equipments and also learn to analyze the results. Fellow would be trained to perform various laser techniques relevant to glaucoma therapeutics. Surgically fellow would be trained to perform majority of the glaucoma surgeries, initially observing and assisting their respective consultant, followed by practice sessions on animal eyes in the wet lab, and then performing assisted surgeries with proper guidance. By the end of his fellowship, the fellow will be confident to do surgeries independently .

### **Short-term glaucoma fellowship.**

#### **Duration: 3 months**

Goal: To provide maximum exposure to the fellow as far as the glaucoma diagnosis and medical management is concerned. Fellow would be trained to handle all diagnostic equipment as well as lasers. A short-term fellow is will not be allowed to perform any surgeries but only observe and assist the surgeries. However, they do get to use the wet lab facilities for practice. At the end of the fellowship, the fellow would be confident to diagnose and medically manage (including lasers) all sorts of glaucoma.

### **Observership**

#### **Duration: 1 week**

Goal: To help general ophthalmologist and practitioners to get familiar with the diagnostic equipment in glaucoma.



For further information and please contact:

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