

### Surgical Procedures :

- ◆ Scleral buckling surgery
- ◆ Vitrectomy surgery with or without silicon oil / Gas injection for various simple and complicated retinal disorders
- ◆ Ocular trauma repair
- ◆ Intravitreal injections: Avastin, Lucentis, Antibiotics, IVTA
- ◆ Scleral fixated IOL, Secondary IOL
- ◆ Enucleation/evisceration and other procedures for intraocular tumors and related disorders
- ◆ Pars plana lensectomy / membranectomy with or without IOL
- ◆ Laser for ROP
- ◆ etc.

### Outdoor Procedures :

- ◆ Screening for ROP
- ◆ Fundus photography
- ◆ Fluorescein angiography (FFA)
- ◆ Optical coherence tomography (OCT) of Anterior and posterior segment
- ◆ B-scan ultrasonography of the eye
- ◆ Retinal lasers (slit lamp, Laser indirect)
- ◆ Subtenon steroid injection
- ◆ Intravitreal antibiotic injection



Retina Green Laser



Vitrecom surgical stem

### Our Specialists

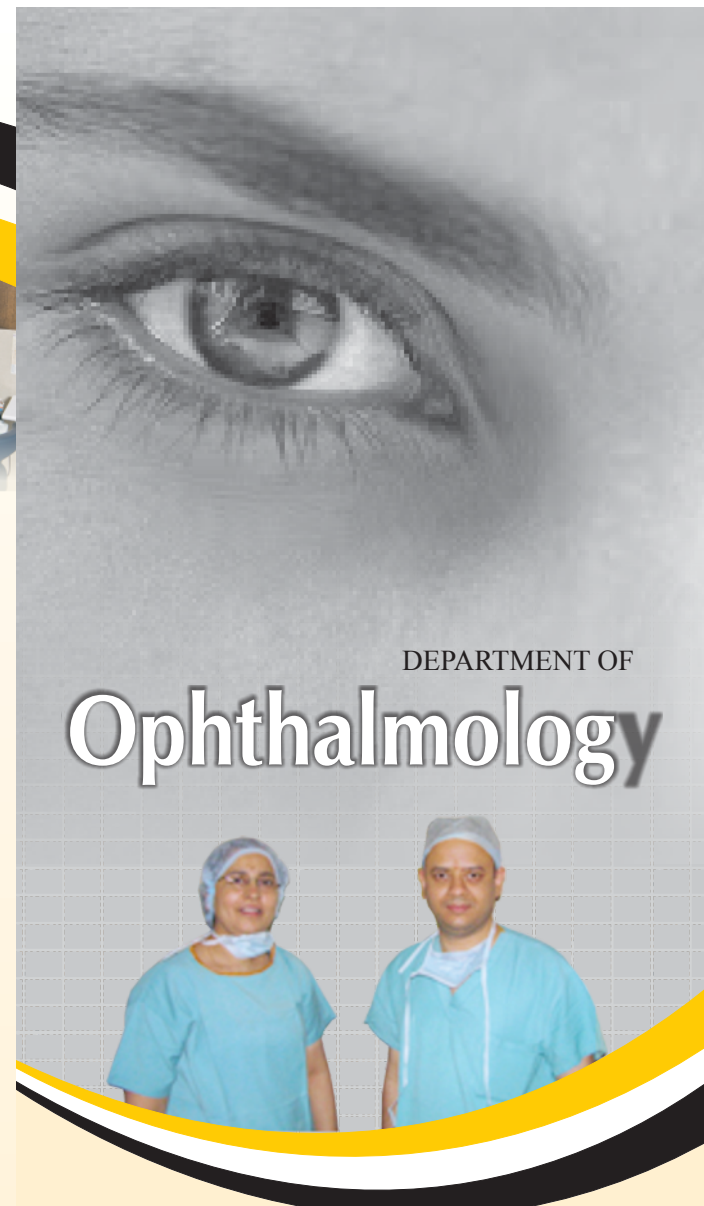
- ◆ **Dr. Radhika Bandi**

Dr. Radhika Bandi did her MBBS and MS (Ophthalmology) from MGM Medical College, Indore. She did her post-PG fellowship at Leyenberg Hospital, The Hague, Holland and The Royal Preston Hospital, U.K. She established the Eye surgery department at Greater Kailash Hospital, Indore, in 1991 and has been in active practice since then. She is an anterior segment surgeon performing refractive, cataract, glaucoma, oculoplastic surgeries etc. regularly.



- ◆ **Dr. G.V.N. Rama Kumar**

He did basic medical training, MBBS from Kurnool Medical College in Andhra Pradesh. He did post-graduation – MD (Ophthalmology) from prestigious RP Centre for Ophthalmic Sciences, AIIMS, New Delhi. Then he got 2 ½ year fellowship training in vitreoretinal surgery from Sankara Nethralaya, Chennai. He has passed DNB (ophthalmology) conducted by National Board of Examinations, New Delhi and fellowship examination of Royal College of Physicians and Surgeons of Glasgow, UK – FRCS (Ophthalmology). He has been doing exclusive work in managing Retina and Uveal diseases. He has presented papers and conducted instruction courses at various state national and international conferences.



DEPARTMENT OF

# Ophthalmology



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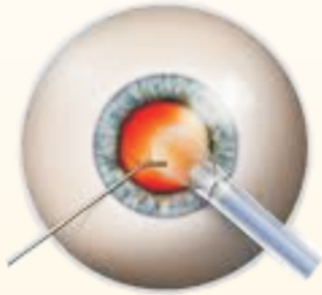
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# Ophthalmology



Service to every individual is a must especially in a country like ours, with a vast economic and cultural disparity. Our contribution from Greater Kailash Hospital will go a long way in the eradication of blindness.

We provide services covering all ophthalmic sub specialties including **Refractive Procedures** (Vision Correction Procedures), **Cataract, Glaucoma**, Vitreo Retinal services, Uvea, Cornea, Squint, Paediatric Ophthalmology, Neuro- Ophthalmology, Oculoplasty and tumours, Contact Lens and Comprehensive Eye Checkup.

The Division of Ophthalmology at Greater Kailash Hospital has a full fledged facility with state-of-the-art equipment to protect the invaluable gift of God - Our EYES. Since inception we have striven to offer the very best to patients for various disorders of the eye. Our aim is to provide quality eye care which is affordable to all. We offer Phacoemulsification technology with all advanced lens implants eg. multifocal, toric, foldable IOLs which lead to very quick visual recovery and rehabilitation resulting in cataract surgery as an outdoor procedure.

**Lasik** is currently the most sophisticated procedure for correction of refractive errors. It can correct nearsightedness, farsightedness and astigmatism. The machine used is extremely safe and is FDA approved for US airforce pilots.

To increase the accuracy of results of lasik a true bladeless procedure "FEMTOSECOND LASIK" has been introduced. It totally eliminates the use of microkeratome & is thus called blade-free Lasik.

It provides greater precision, predictability, safety & comfort for you and complete control for your surgeon.

**Glaucoma** being a silent killer of vision requires sophisticated equipment for early detection and followup. We have OCT for optic nerve head evaluation, RNFL thickness, anterior chamber angle grading. Perimetry which gives the fastest visual field charting as it is difficult for many elderly patients to sit for long. Pachymetry (central corneal thickness) which is essential to accurately calculate the intra ocular pressure is also available.

## APEX RETINA CENTRE:

To address the increasing magnitude of retina disorders, the hospital has a Retina centre with all the high-end equipment.

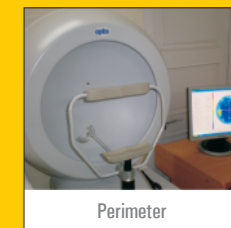
One such tool is Optical Coherence Tomography (OCT). It is spectral domain OCT which is used for non-invasive "Optical biopsy" study of the central part of retina. It is an essential tool for diagnosis and management of various macular diseases like macular edema, CNVM, ERM, Macular hole etc. It also has facility of colour Photography of retina in undilated pupil (non-mydratic camera).

Various disorders of the retina can be managed here eg.

- ♦ Retinal detachment
- ♦ Diabetic retinopathy
- ♦ Age-related macular degeneration
  - Choroidal neovascular membrane (CNVM)
- ♦ Retinal vascular disorders
  - Retinal artery occlusion (CRAO/BRAO)
  - Retinal vein occlusion (CRVO/BRVO)
  - Hypertensive retinopathy
  - Eale's disease
- ♦ Macular Hole
- ♦ Epiretinal Membrane
- ♦ Complications of cataract surgery
  - Dropped nucleus/IOL
  - Endophthalmitis
- ♦ Eye injuries with or without intraocular foreign body
- ♦ Intraocular tumors-retinoblastoma, melanoma etc.
- ♦ Retinopathy of Prematurity (ROP)
- ♦ Optic nerve disorders
  - Optic neuritis
  - Optic neuropathies – nutritional, toxic
- ♦ Ocular inflammation (uveitis)
  - HIV/AIDS related ocular disorders/infections
- ♦ Intraocular infection (Endophthalmitis)



B-scan Ultrasonograph (With A Scan & Pach )



Perimeter



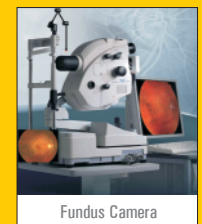
OCT -2000



Non Contact Tonometer



Hand-held keratometer



Fundus Camera