

नेत्रदान-महादान

Advanced Ophthalmology Lab

7th Floor Ward Block,

ROOM NO. 712

Facilities Available:

TOPCON, TRC - 50 DX Retina Camera

1- Fundus Camera with Fundus Fluorescein Angiography Machine
☛ Diagnosis of Complex Retinal Diseases

Lumenis

2- Advanced Retinal Slit - Lamp Laser Machine
☛ Treatment of Retinal Diseases (PDR, Retinal Tears, Tears etc.)

Zeiss- Viridus Yag III

3-Yag Laser Capsulotomy machine
☛ Treatment of Glaucoma & post-cataract surgery complications

REICHERT - Reflex™

4-Ultra Sound Bio-Microscope
☛ Diagnosis of Glaucoma

Typed By:
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Optometrist



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HOD & Specialist (Ophthalmology Dept.)



डिपार्टमेन्ट ऑफ ऑफ्थैल्मोलोजी
 क०रा०बी०नि० मॉडल हॉस्पिटल, सै०-२४, नौएडा (उ०प्र०)

Department Of Ophthalmology
ESIC Model Hospital, Sec-24, Noida (U.P)

स्पेशलिस्ट इंचार्ज : डॉ० पी० लक्ष्मीनारायण एम.डी. (नेत्र)	SPECIALIST I/C : DR. P. LAKSHMINARAYANA MD (EYE)	मैडिकल ऑफिसर्स : डॉ० अजय सिंह डॉ० शेखर शर्मा	MEDICAL OFFICERS : DR. AJAY SINGH, DR. SHEKHAR SHARMA
ऑप्टोमेट्रिस्ट्स : नेम सिंह, राहुल उपाध्याय मि. विमल कुमार (ड्रेसर)	OPTOMETRISTS : Optom. NEM SINGH Optom. RAHUL UPADHYAY MR. VIMAL KUMAR (DRESSER)		

एडवांसड रेटिना लैब
ADVANCED RETINA LAB

उपलब्ध सुविधाएँ
FACILITIES AVAILABLE

1. फण्डस फ्लोरोसिनि एन्जियोग्राफी
FUNDUS FLUOROSCIEN ANGIOGRAPHY
2. एडवांसड रेटिनल लेजर मशीन
ADVANCED RETINAL LASER MACHINE
3. याग लेजर मशीन
YAG LASER MACHINE
4. अल्ट्रासोनिक बायोमाइक्रोस्कोप
ULTRASONIC BIOMICROSCOPE
5. ऑटोमेटिड विजुअल फील्ड एनालाइजर
AUTOMATED VISUAL FIELD ANALYSER
6. कम्प्यूटराइज्ड स्पीकुलर माइक्रोस्कोप
COMPUTERISED SPECULAR MICROSCOPE
7. कोर्नियल टोपोग्राफी मशीन
CORNEAL TOPOGRAPHY MACHINE
8. नॉन कॉन्टेक्ट टोनोमीटर
NON CONTACT TONOMETER
9. ऑक्युलर बायोमीटर
OCULAR BIOMETER

Advanced Vitreo-Retinal/ Ophthalmic Laser Surgical and Ophthalmic Investigative Facilities at ESIC Model Hospital-Noida



Dr. Lakshminarayana Pasumala
MD(AZMS)
Ophthalmology Deptt.

Vitreo-Retinal Surgery and Retinal Laser Surgical Procedures are a highly advanced Domain of Ophthalmology Services and not many Institutions/ Eye Surgeons are trained in this field in India and Worldwide as the Training is Complex. Retinal Surgery is highly taxing on the Surgeon

and additionally requires training in special Machinery and Lasers. In spite of the best available facilities, Retinal Diseases are usually detected in a Advanced and Complex state so Surgery becomes less visually satisfying to patient, but however its a last resort approach to save the eye and give patient a salvable vision so that he becomes independent and undertakes all his daily activities without help.

Most of the times patient might have only one seeing eye as retinal diseases are usually bilateral and saving

patients only eye becomes utmost priority as otherwise patient will end up bilaterally blind.

Retinal Neurons are an extension of brain cells so just like brain cells they can't survive insult of any kind too long hence Retinal surgery becomes an emergency surgical procedure to salvage patient's vision. Earlier the Surgery is done better the Visual Outcome.

We at Ophthalmology Deptt., ESIC Hospital, Noida with active and sustained efforts from administration have started Advanced Vitreo-Retinal Surgeries and Advanced Ophthalmic Investigations with Acquisition of State of the Art Imported (German, USA) Eye Equipment for Our 300 Bedded New Hospital Complex with the help of HLL Lifecare as per the Provisions made by the Head Quarters Office an already Operated on a number of patients.

ESIC Model Hospital, Noida is probably the only ES Hospital in India to be possessing the Advanced Retinal Surgical/ Laser Facilities and successfully Operating on the patients with Complex Retinal diseases.

Following are the Surgical Statistics for the Year June 2011-June 2012:
Advanced Ophthalmology Surgical facilities:

I. Complex Vitreo-Retinal Surgery with: 1. Silicon Oil Injection 2. Silicon Oil removal 3. C3F8/SF6 gas Injection 4. Retinal Slit Lamp Lasers/LJO Procedure 5. Retinal Endo Laser	Operated 12 Cases/ Success 11 Cases Operated 7 Cases/ Success 6 Cases Operated 6 Cases/ Success 5 Cases 34 Procedures (Success 100%) Operated 9 Cases/ Success 8 Cases
II. Macular Hole Surgery with ILM peeling with Silicon Oil Injection	Operated 5 Cases/ Success 4 Cases
III. Surgery for Epiretinal Membranes	Operated 3 Cases/ Success 3 Cases
IV. Scleral Buckling/Silicon band with Cryotherapy Surgery for Retinal Detachment	Operated 11 Cases/ Success 11 Cases
V. Pediatric Cataract Surgery with PCCE /Scleral Fixation IOL with Optic capture	Operated 12 Cases/ Success 11 Cases
VI. Subluxated Cataract Surgery with CTR ring	Operated 6 Cases/ Success 6 Cases
VII. Vitrectomy for Non Resolving Vitreous Hemorrhage (Diabetic/Eales)	Operated 5 Cases/ Success 4 Cases
VIII. Intraretinal and Intravitreal Foreign Bodies	Operated 4 Cases/ Success 4 Cases

Advanced Ophthalmologic Investigative/ Laser Procedures:

- 1. Retinal Laser Procedures for Diabetic Retinopathy/Eales/BRVO
 - 2. Non Contact Tonometry
 - 3. YAG Laser Capsulotomy/YAG Laser Iridotomy
 - 4. Ultrasound Biomicroscopy (UBM)
- Advanced Microscope Available with Wide Field Facility with
Advanced Imported Vitrectomy/ Retinal EndoLaser Machine

35 Procedures(Success 100%)
150 cases
27 Cases(Success 100%)
15 cases
P.S. In retinal surgeries success about 80% is considered

Advanced Ophthalmic Facilities ESIC Model Hospital Noida



State of the Art Zeiss Advanced Microscope with facility for Complex Retinal surgeries under wide angle Viewing System Advanced Phacoemulsification and Advanced Vitrectomy Machine



Topcon Fundus Fluorescein Angiography Machine for diagnosis of retinal macular diseases



Corneal Specular Microscopy



Ultrasound Bio Microscopy