

# OPHTHALMOLOGY DEPARTMENT

JLNMCH, BHAGALPUR

## ABOUT US

The department of Ophthalmology at Jawaharlal Nehru Medical College and Hospital, Bhagalpur is one of the best departments in the Bihar for its quality patient care, teaching, training and research. The department headed by Dr. Pummy Roy, Assit. Professor and has six faculty members and who provide OPD, operative and emergency care apart from their teaching and research obligations.

The department teaches one hundred undergraduate students every year. Regular teaching classes are held for students and practical aspects are taught to them by postings in wards, OPD and operation theatres. The students are expected to work up the cases allotted to them, to discuss them with the faculty and residents, observe and assist in the surgeries and follow up the patients till discharge.

The importance is given to practical training of undergraduate as well as postgraduate students. Three postgraduate students are enrolled in department every year making a total of nine students from 2010 in 3 years. During their three year stay in the department, the students learn the management of all cases General ophthalmology, Surgeries,, investigations ,examination and patient management.

FACULTY

## SENIOR RESIDENTS



Dr Deepak  
Kumar Sinha

MBBS,MS

Senior resident  
(on bond)

Contractual

7991120764

# PG STUDENTS



Dr Prakash Kumar  
Keshav

MBBS,PG 3<sup>rd</sup> year



Dr Alka Ravi

MBBS,PG 3<sup>RD</sup> YEAR



Dr Nandan Kumar

MBBS ,PG 3<sup>RD</sup> YEAR



Dr Shweta Bharti

MBBS,PG 2nd year



Dr Zakia Nuzhat

MBBS ,PG 2<sup>ND</sup> YEAR



Dr Gaurav Hembram

MBBS, PG 2<sup>nd</sup> YEAR



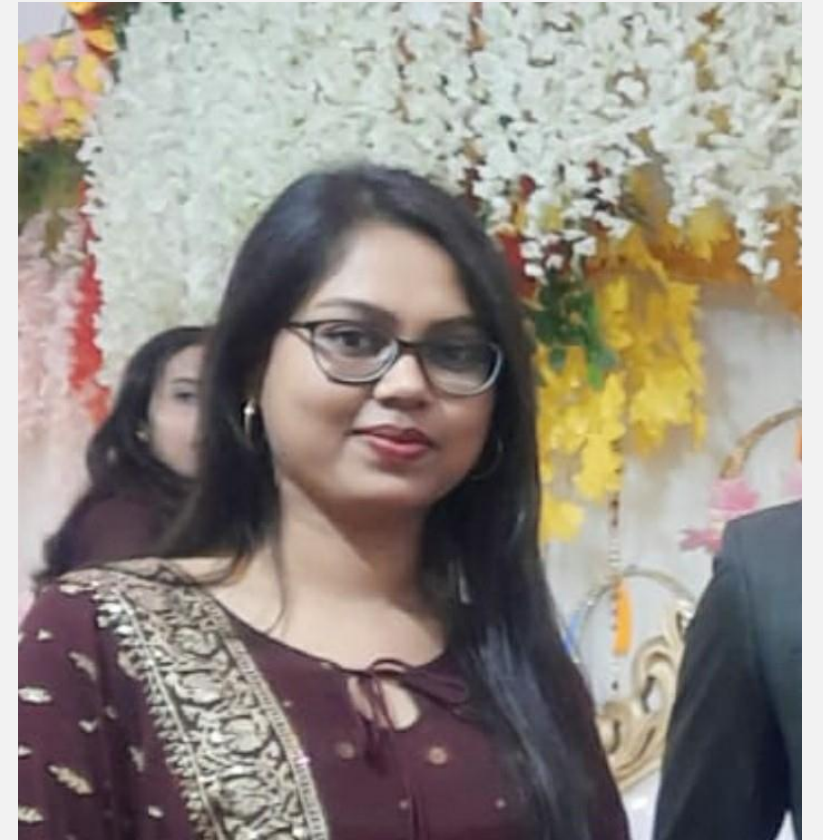
Dr Sumaiya Parveen

MBBS, PG I<sup>ST</sup> YEAR



Dr Pankaj Shukla

MBBS ,PG I<sup>ST</sup> YEAR



Dr Ekta Mishra

MBBS,PG I<sup>st</sup> YEAR

# FACILITIES

- Ophthalmology department is fully equipped with multiple digital and Analog visual acuity assessment charts, direct and indirect ophthalmoscope, Gonioscope, Volk 's 90 D lenses, Goldman 's applanation Tonometry , amongst many others. The department is fully equipped with multiple slit lamps, with digital attached monitors for live teaching, Humphry's visual field analyser, Optical coherence tomography, Nd YAG laser, automated refraction, non Contact tonometer. Facilities for biometry , IOL calculation, phacoemulsification machines are present as well.





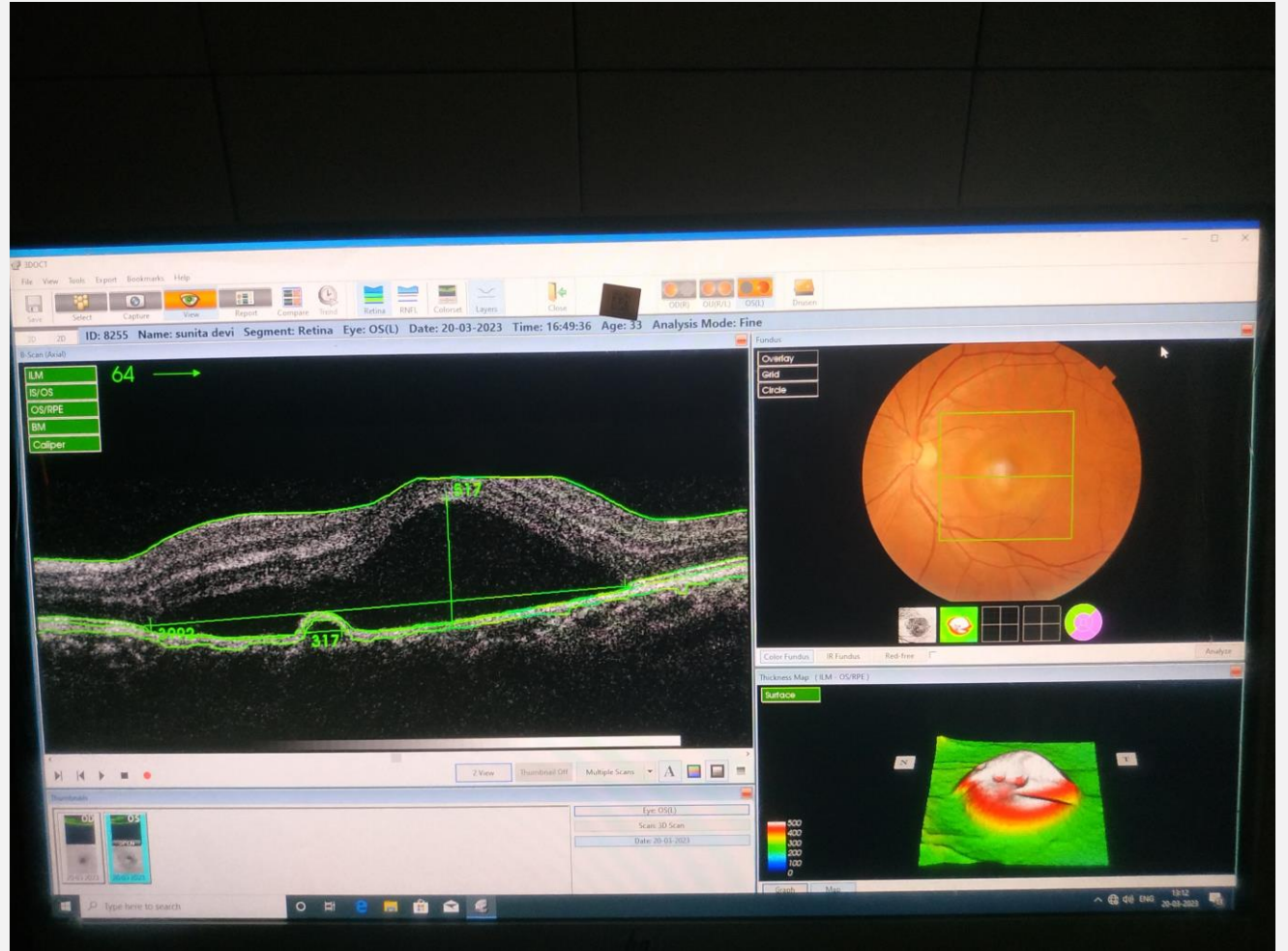
Slit Lamp Biomicroscopy



Automated refraction



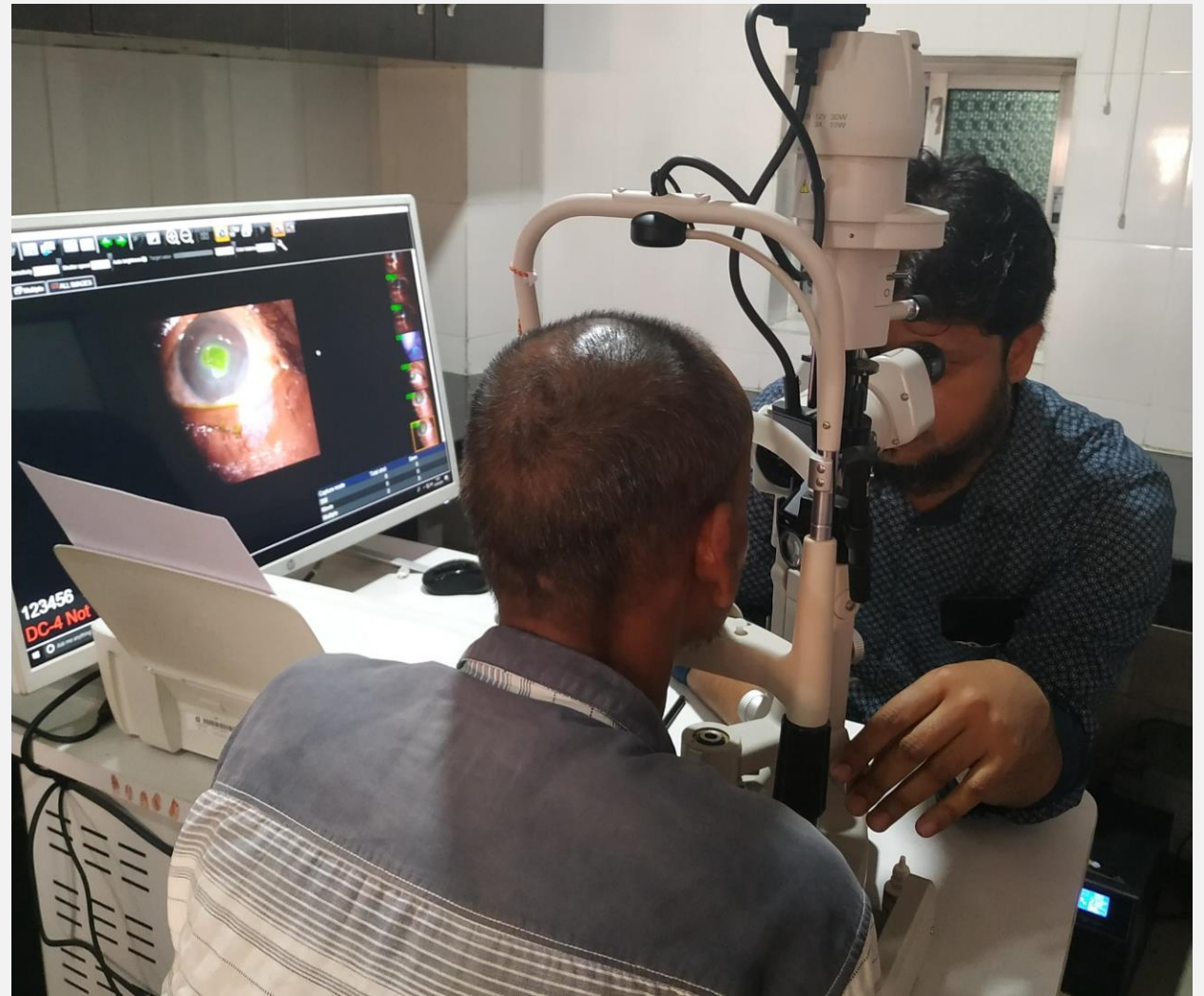
Non Contact Tonometry



Optical coherence tomography



Nd YAG laser



Digital Slit lamp



Humphrey's visual field analyser

# EDUCATIONAL COURSES

In developing countries like India, where there is a shortage of both basic doctors and specialists, medical education stands at cross roads. It seems inescapable that our medical education policy has to be oriented towards production of a basic doctor, a specialist and superspecialist. Recognising the dearth of ophthalmologists, training of paramedical personnel to help them is very essential. The teaching programme of the Centre is aimed as follows:

## **Post Graduate Teaching**

Post Graduates are given intensive training for a period of 3 years as resident doctors. Admission to postgraduation course is done every 6 months and in all 24 students admitted per year. The teaching programme includes lectures, case conferences, symposia, journal clubs and demonstrations. Post-graduate teaching is updated from time to time. The teaching schedule includes the recent developments and newer trends in various fields of ophthalmology. Both the basic sciences and clinical courses are spread over three years. The post graduates are attached with consultants so that they can be given personal attention. They are given training in general ophthalmology and in various subspecialities including microsurgery. They are taught to do all types of surgery and are also given experience in community ophthalmology especially during eye camps. Emphasis is given on proper understanding of their role in the National Programme for Control of Blindness. The residents at the completion of their training have a very strong theoretical as well as practical background to provide all types of ophthalmic services. They are also capable of undertaking independent research work and teaching of undergraduate students.

- **Undergraduate Teaching**

- The undergraduate students are taught ophthalmic examination along with investigations, diagnosis and management of common eye disorders. They are made familiar with prevalence of blindness, preventive and rehabilitative measures available and their role in the National Programme for Control of Blindness. The teaching programme includes lectures, seminars, clinical work, field work and tutorials with the following objectives:
- To be able to examine and write case histories of common ocular disorders in the OPD.
- To be able to write histories, do clinical examinations, perform routine investigations, pre and post operative follow-up during the ward posting and submit detailed case histories.
- To be able to detect common visual defects and common eye diseases in their early stages.
- To be able to define and illustrate general principles of ophthalmic care.
- To be able to identify ocular emergencies and give first aid as well as choose proper referrals to specialists.
- To be able to perform common day to day investigations like I.O. P. Recording, fundoscopy etc. And to be able to undertake minor surgical procedures like subconjunctival injections, chalazion etc.

- **B.Sc. (Hons) Ophthalmic Technique**

- This course is of 3 years duration. The objectives of the course are (I) to achieve general understanding of human biology and basic medical sciences related to ophthalmology, (ii) to enable candidates to work under the supervision of an ophthalmologist in hospitals, clinics and community, in order to help in the execution of integrated approach of promotive, preventive, diagnostic, curative and rehabilitative aspects of ophthalmic care, (iv) to be able to carry out refraction work contact lenses, (v) to be able to assess disorders of ocular motility and visual functions, give orthoptic and pleoptic exercises. The teaching exercises include seminars, demonstrations and postings in operation theatres mobile eye camps and various investigative labs. Admission to this course is done yearly and about 24 students are admitted

# CLINICS AND FACILITIES

- **Casualty**

- The Centre runs its own Casualty service, where the emergency cases and those patients who come after O.P.D. Hours are attended. A junior resident, senior resident and a consultant are available round the clock.

- **Out patient services**

- Daily OPDs are run to provide the ophthalmic services in the Out Patient Department. A special cell for refraction has been created to provide prescription for glasses

- **Indoor services**

- 30 male and female beds are available

- **Operation theatre**

- The operation theatre is equipped with operating microscopes and is fitted with a closed circuit T.V. System. Besides other operative appliances, it is also equipped for phaco emulsification which is being used for cataract surgery. As a no stitch/one stitch technique is used, an earlier rehabilitation of patients is generally possible

- **Eye bank**