

Qualifications : MBBS, MS/MD/DNB/DO/DOMS

Observership – One to three months duration.

An ophthalmology curriculum for a 1 to 3 months vitreoretinal observership program structured around an **outcome-based model**, ensuring trainees acquire the knowledge, skills, and professional behaviours necessary for independent practice. The curriculum focuses on medical retina, with a strong emphasis on clinical decision.

1. Vitreo-retinal

Outcomes: Trainees will be able to observe in a variety of medical retina diagnosis. They will understand the principles of medical retina, with a strong emphasis on clinical decision.

2. Retinal Imaging

Outcomes: Trainees will be able to interpret and apply various retinal imaging modalities to diagnose and manage retinal diseases.

Core Activities:

- **Case Discussions:** discuss imaging findings in weekly conferences, correlating images with clinical findings.

3. Retinal Degenerations and Dystrophies

Outcomes: Trainees will be able to diagnose and manage common and rare retinal degenerations and dystrophies.

Core Activities:

- **Clinic Rotation:** Evaluate and follow patients with age-related **macular degeneration (AMD)**, **retinitis pigmentosa**, and **Stargardt disease**.
- **Genetic Counseling:** Learn to counsel patients and families about the hereditary nature of these diseases.
- **Journal Club:** Critically appraise recent research on new therapies and genetic findings.

4. Retinal Vascular Diseases

Outcomes: Trainees will be able to diagnose, classify, and manage the full spectrum of retinal vascular diseases.

- **Laser and Anti-VEGF Therapy:** Observe and document at least 50 anti-VEGF injections and treatments for **diabetic retinopathy**.
- **Multidisciplinary Care:** Collaborate with endocrinologists and cardiologists in managing patients with **ocular ischemic syndrome**.

5. Inflammatory Diseases

Outcomes: Trainees will be able to diagnose and manage inflammatory conditions affecting the retina and uvea.

Core Activities:

- **Uveitis Clinic:** Observe patients with **intermediate uveitis**, **sarcoidosis**, and **Vogt-Koyanagi-Harada (VKH) disease**.
- **Immunology Conference:** Listen to interesting cases to rheumatologists and immunologists to understand systemic associations of diseases like **sympathetic ophthalmitis** in the morning classes

6. Infections

Outcomes: Trainees will be able to observe diagnose and initiate appropriate treatment for ocular infections.

Core Activities:

- **Microbiology Lab: Will Observe** to collect and process vitreous and aqueous humor samples for culture.
- **In-patient Consultation: Will observe** patients with **endophthalmitis**, working closely with the infectious disease team.

7. Retinal Tumors and Malignancy

Core Activities:

- **Oncology Clinic:** Rotate through a dedicated ocular oncology clinic to learn about the diagnosis and management of **retinoblastoma**, **choroidal melanoma**, and other tumors.
- **Multidisciplinary Tumor Board:** Present cases and participate in discussions with oncologists and radiation specialists.