

Department of Ophthalmology
Hamdard Institute of Medical Sciences & Research and
associated HAHC Hospital

Students interested in working to learn the preventive, curative and promotive aspect of eye care or making a career in Ophthalmology are welcome to choose from the two electives provided by the department.

Electives Module:-

- 1. Assessment of Visual Status in Infants & Children**
- 2. Fundus Examination: Learning Direct Ophthalmoscopy and Interpretation.**

OPHTHALMOLOGY ELECTIVE -1

Department of Ophthalmology is committed to strengthen and facilitate the National Programme for Control of Blindness and Visual Impairment (NPCB&VI) of government of India. Visual impairment in children is a major cause of lifelong disability. Early detection significantly improves outcomes & can prevent irreversible blindness, especially for congenital cataract, ROP, refractive errors, and strabismus. As future first-contact physicians, IMG should be competent in performing basic visual assessments in infants and children, recognizing abnormal findings, and referring appropriately. Hence, by choosing this module, students will gain practical insight into normal visual development, paediatric vision screening techniques, and early detection of conditions that can lead to visual impairment or blindness in children.

	NAME OF BLOCK	BLOCK 2
1.	Name of Elective/Course	Assessment of visual status in Infants & Children
2.	No. of Students	02
3.	Department	Ophthalmology
4.	Name of Supervisor/Guide	Dr Taskin Khan
5.	Name of Co-Supervisor/Guide (if any)	Dr Sadaf Huda
6.	Duration	2 Weeks
7.	Location	Eye/ Paediatric OPD, New OPD Block, HAHC Hospital, New Delhi
8.	Objectives Expected outcomes	1. Describe normal visual development from birth to 06 years.

	Expectations from the students	2. Understand common causes of visual impairment in children (refractive errors, strabismus, amblyopia, ROP). 3. Understand principles of assessment & referral pathways 4. Perform age-appropriate visual assessment 5. Develop communication skills for examining infants & children. 6. Counsel caregivers effectively
9.	List of activities in which the student will participate	Week 01: 1. Orientation & understanding visual development 2. Demonstration of visual assessment techniques in infants & children 3. Demonstration of Hirschberg & CSM (Central, Steady, and Maintained) test, Cover–Uncover test, Red reflex testing 4. Paediatric refraction (observation) 5. Introduction to ROP screening (observation only) 6. Counselling of caregivers Week 02: 7. Practice visual acuity assessment in 3–10-year-olds 8. Hands-on assessment of infants (Fixation, F+F) 9. Maintain portfolio 10. Logbook entry with feedback to the student & reflection writing on learning at the end of posting
10.	Learning resources for students	1. Optics and Refraction, Duke & Elder 2. Parson's Diseases of the eye. 3. American Academy of Ophthalmology (AAO): Pediatric Ophthalmology 4. WHO Vision Screening Guidelines for Children

11.	Assessment mechanism	Formative:- 1. OSCE + logbook evaluation 2. Feedback & Reflective writing Formative:- 1. Mini-CEX/DOPS 2. Satisfactory completion & duly signed logbook 3. 75% attendance
12.	Logbook Format	Documentation of all the activities & feedback-to be shared

OPHTHALMOLOGY ELECTIVE -02

Fundus examination is a vital skill for all clinicians — not only ophthalmologists but also general physicians, pediatricians, and neurologists. However, due to limited time during routine postings, students do not achieve confidence in direct ophthalmoscopy or fundus interpretation. This elective will provide focused, hands-on training to help students identify normal and common abnormal fundus findings and correlate them with systemic diseases.

a.	NAME OF BLOCK	BLOCK 2
b.	Name of Elective/Course	Fundus Examination: Learning Direct Ophthalmoscopy and Interpretation
c.	No. of Students	02
d.	Department	Ophthalmology
e.	Name of Supervisor/Guide	Dr Monica
f.	Name of Co-Supervisor/Guide (if any)	
g.	Duration	2 Weeks
h.	Location	Eye OPD, New OPD Block, HAHC Hospital, New Delhi
i.	Objectives Expected outcomes	1. Demonstrate proper technique of direct ophthalmoscopy and patient positioning.

	Expectations from the students	2. Identify normal fundus landmarks. 3. Differentiate normal vs. abnormal discs and vessels. 4. Recognize diabetic retinopathy and hypertensive retinopathy changes. 5. Observe indirect ophthalmoscopy and fundus photography. 6. Correlate systemic conditions with fundus changes. 7. Record and present findings effectively.
j.	List of activities in which the student will participate	1. Orientation & basics of ophthalmoscopy, instrument demo 2. Hands-on practice on models / peers 3. Fundus landmarks: disc, vessels, macula 4. Observation of indirect ophthalmoscopy and fundus camera 5. Cases: hypertensive & diabetic retinopathy 6. Neuro-ophthalmic cases: papilledema, optic atrophy 7. Skill lab simulation / photo quiz 8. Documentation and fundus drawing 9. Case presentation and discussion 10. OSCE 11. Maintain portfolio 12. Logbook entry with feedback to the student & reflection writing on learning at the end of posting
k.	Learning resources for students	1. Duke & Elder's practice of Optics and Refraction, 2. Parson's Diseases of the eye.

		3. Orbis Ophthalmic Training Manual: Fundus Examination
l.	Assessment mechanism	Formative:- 1. Daily observation and feedback 2. DOPS (Directly Observed Procedural Skills) 3. Logbook entries and skill checklist Summative: 1. OSCE stations 2. Satisfactory completion & duly signed logbook 3. Reflection on learnings 4. 75% attendance
m.	Logbook Format	Documentation of all the activities & feedback-to be shared with the student