

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. Ophthalmic Emergencies: Clinical & Surgical (wet lab) Skills in Ophthalmology**
- 2. Fundus Examination: Learning Direct Ophthalmoscopy and Interpretation.**

OPHTHALMOLOGY ELECTIVE -1

The Indian Medical Graduate has been identified as a physician of first contact of the community while being globally relevant. Primary care and emergency physicians are usually the first to come in contact with patients having ocular complaints. Hence, the Department of Ophthalmology provides exposure to areas beyond its standard curriculum and offers elective in providing minimal clinical & surgical skills that would help medical graduates in identification of potentially sight-threatening diseases especially in an emergency situation. Besides, Clinical & Surgical (wet lab) Skills in Ophthalmology will also provide an overview of the subject to the undergraduates helping them choose their career path in future.

	NAME OF BLOCK	BLOCK 2
1.	Name of Elective/Course	Ophthalmic Emergencies: Clinical & Surgical (Wet lab) Skills in Ophthalmology
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	2Weeks
7.	Location	Eye OPD, HAHC Hospital, New Delhi & Skill Lab
8.	Objectives Expected outcomes	At the end of the elective posting the student will be able to identify, examine, manage and refer appropriately patients

	Expectations from the students	with common ocular emergencies that are encountered in the emergency department. 1. Describe the basic components of an ophthalmic history and examination 2. Perform proper ocular examination techniques 3. Discuss common ocular emergencies and their emergency management (Students are expected to be having some prior knowledge of 1 to 3) 4. Perform under supervision following surgical skills in Ophthalmology (simulation in wet lab) • Use and work under the operating microscope. • Identify ophthalmic sutures & surgical instruments • Perform selected ophthalmic surgical techniques: suturing of skin, cornea and sclera
9.	List of activities in which the student will participate	1. Interactive session on: • Introduction to Ophthalmic History and Physical Examination • Ophthalmic Emergencies and Surgical Wet Lab 2. Emergency, OPD & Ward: The student is expected to shadow the supervisor/ co-supervisor/Resident and learn basic skills necessary to evaluate the patient with ocular emergency. Participate (supervised) in ocular examination of patients 5. Surgical Wet Lab: Perform under supervision following surgical skills in Ophthalmology (simulation in wet lab) • Use and work under the operating microscope. • Identify ophthalmic sutures & surgical instruments • Perform selected ophthalmic surgical techniques: suturing of skin, cornea and sclera 3. Maintain portfolio

		4. Logbook entry with feedback to the student & reflection writing on learning at the end of posting
10.	Learning resources for students	Parson's Diseases of the eye. Ramanjit Sihota, Radhika Tandon
11.	Assessment mechanism	Formative:- 1. Daily observation and feedback 2. DOPS (Directly Observed Procedural Skills) Wet lab 3. Logbook entries and skill checklist Summative:- 1. OSCE & DOPS 2. Satisfactory completion & duly signed logbook 3. Reflection on learnings 4. 75% attendance
12.	Logbook Format	Documentation of all the activities & feedback

OPHTHALMOLOGY ELECTIVE -02

Fundus examination is a vital skill for all clinicians — not only ophthalmologists but also general physicians, paediatricians, 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.

	NAME OF BLOCK	BLOCK 2
	Name of Elective/Course	Fundus Examination: Learning Direct Ophthalmoscopy and Interpretation
	No. of Students	02
	Department	Ophthalmology
	Name of Supervisor/Guide	Dr Monica Kapoor
	Name of Co-Supervisor/Guide (if any)	Dr Alisha Rizvi
	Duration	2 Weeks
	Location	Eye OPD, HAHC Hospital, New Delhi
	Objectives	At the end of the elective posting the student will be able to identify,

	Expected outcomes Expectations from the students	examine, record and present fundus findings of common disease effectively. Demonstration & hands on of: • Proper technique of direct ophthalmoscopy and patient positioning. • Identifying normal fundus landmarks. • Differentiate normal vs. abnormal discs and vessels. • Recognize diabetic retinopathy and hypertensive retinopathy changes. • Observe indirect ophthalmoscopy and fundus photography. • Correlate systemic conditions with fundus changes. • Record and present findings effectively.
	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. Maintain portfolio 11. Logbook entry with feedback to the student & reflection writing on learning at the end of posting

	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
	Assessment mechanism	Formative:- 4. Daily observation and feedback 5. DOPS (Directly Observed Procedural Skills) 6. Logbook entries and skill checklist Summative: 1. OSCE stations 2. Satisfactory completion & duly signed logbook 3. Reflection on learnings 4. 75% attendance
	Logbook Format	Documentation of all the activities & feedback-to be shared with the student