



OPHT 600

Ophthalmology

Elective Description

This elective provides students with a comprehensive introduction to ophthalmology and how to recognize and manage common ocular diseases and emergencies. The student will gain information to manage routine ophthalmologic conditions in family medicine, internal medicine, and pediatric practice.

Credit: 2-4 semester credits

Prerequisites: IMED 500 and FMED 500

Entrustable Professional Activities

As a fourth-year student, the focus of skills development are those tasks important for entering residency training:

- Gather a history and perform a physical exam
- Prioritize a differential diagnosis following a clinical encounter
- Recommend and interpret common diagnostic and screening tests
- Enter and discuss orders and prescriptions
- Document a clinical encounter in the patient record
- Provide an oral presentation of a clinical encounter
- Form clinical questions and retrieve evidence to advance patient care
- Give or receive a patient handover to transition care responsibility
- Collaborate as a member of an inter-professional team
- Recognize a patient requiring urgent or emergent care and initiate evaluation and management
- Obtain informed consent for tests and/or procedures
- Perform general procedures of a physician
- Identify systems failures and contribute to a culture of safety and improvement

General Course Objectives

Medical Knowledge

- Describe the anatomy of the eye and eyelids
- Describe a normal eye exam: - Anterior Segment - Posterior Segment
- Discuss Refractive Errors: - Hyperopia/Myopia/Astigmatism/Presbyopia
- Discuss the differential diagnosis of the "Red Eye": "D4 Vitamins"
 - Diet/Development/Drug/Degenerative?
 - Vascular?
 - Immune?
 - Toxic/Traumatic?
 - Autoimmune/Anoxic?
 - Metabolic?
 - Endocrine?
 - Neoplastic?

- Special?
- Discuss types of glaucoma – risk factors and management (medications/laser/surgery)
- Discuss types of cataracts
- Discuss types of retinal detachment (RD) and age-related macular degeneration (ARMD)
- Discuss ocular changes in diabetes mellitus (DM)
- Discuss ocular changes in hypertension (HTN)
- Discuss optic neuropathy

Patient Care

- Assist in providing overall care for assigned patients, including record keeping, interacting with families, and collaborating with other health care personnel
- Construct H&Ps that are legible, concise, and complete

Interpersonal and Communication Skills

- Be able to concisely communicate the key features of the assessment and management plan to the treatment team.
- Effectively communicate with patients and families using sensitive, non-judgmental language
- Recognize the emotional impact of illness on patients and families
- Describe the confidentiality requirements of diagnoses

General Skills Expectations

- Obtain an accurate eye history
- Become familiar with complete eye exam
 - Visual Acuity-distance/near/pinhole (PH) significance
 - Pupils-be able to diagnose afferent papillary defect (APD)
 - Motility
 - Confrontational Visual Field
 - Slit Lamp Exam (SLE)
 - Fundus Exam-direct and indirect ophthalmoscopy
- Proper technique for installation of eye drops
- Proper technique for eversion of the eyelid – removal of superficial foreign bodies (FB)
- Application of fluorescein and use of cobalt blue light
- Become familiar with intraocular pressure (IOP) checks – Goldmann application vs TonoPen
- Evaluation of the optic nerve (ON)

REQUIRED TEXTBOOKS and Other Resource Material

Harper RA, editor. 2016. *Basic Ophthalmology: Essentials for Medical Students*, 10th edition. American Academy of Ophthalmology.

Evaluation

The evaluation will include the entrustable professional activities. The clerkship preceptor will evaluate those relevant to this clerkship experience.

GRADES

This elective is graded Satisfactory/Unsatisfactory.

POLICIES

ACADEMIC DISHONESTY

The University holds its students to the highest standards of intellectual integrity. Therefore, the attempt of any student to pass any examination by improper means, present work which the student has not performed or aid and abet a student in any dishonest act may result in disciplinary action including immediate dismissal. Any student witnessing or observing a perceived violation of academic dishonesty is required to report it as outlined in the Guidelines. Students failing to report an observed violation may also receive disciplinary action.

ATTENDANCE POLICIES

Attendance of lectures and laboratories is based on the University's stated attendance policy. Refer to the Student handbook for more information.

CONDUCT

The University expects all students to be responsible individuals who possess the highest standards of integrity, honesty and personal conduct. These traits are prerequisites to independent learning, professional development, the successful performance of academic and clinical assignments, and the conduct of one's personal life. Accordingly, students are expected to adhere to a standard of behavior consistent with the University's high standards at all times off and on campus. Compliance with institutional rules and regulations, in addition to city, state and federal laws, is expected.

COPYRIGHT POLICY

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DRESS CODE

All students are expected to maintain the highest standards of professional appearance at all times. During years one and two and while on campus. Medical students are required to wear scrubs or white coats with appropriate dress. Appropriate dress for clinical students includes business slacks with open-collar shirt for men, and business slacks or skirt with professional shirt or sweater for women.

Trinity School of Medicine Faculty Contact Information

Marc Zubrow, MD mzubrow@trinityschoolofmedicine.org