



Edward Via College of Osteopathic Medicine

4th Year Clinical Rotation: Ophthalmology

MED 8300: Surgical Selective Clinical Rotation I
MED 8301: Surgical Selective Clinical Rotation I
MED 8310: Surgical Selective Clinical Rotation II
MED 8311: Surgical Selective Clinical Rotation II

COURSE SYLLABUS

Chair	Contact Information
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I. Rotation Description

Students will demonstrate understanding of the normal anatomy and function of the eye and its associated structures, the primary care role in the management of common ophthalmologic problems, indications and correct timing of ophthalmologic referral and routine diagnostic modalities and topical medications used in ophthalmology.

II. Rotation Goals

- a. Perform an ophthalmologic history
- b. Perform an ophthalmologic examination
- c. Recognize and understand the causes and diagnostic procedures for ocular motility disorders
- d. Diagnose and treat common conditions of the conjunctive including:
 - i. Allergic conjunctivitis
 - ii. Superficial conjunctival infections
 - iii. Corneal ulceration
- e. Diagnose and treat abnormalities of the eyelid and associated structures, including:
 - i. Hordeolum
 - ii. Chalazion
 - iii. Blepharitis
 - iv. Dacryocystitis

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- f. Diagnose and treat minor eye trauma, including:
 - i. Foreign body
 - ii. Corneal abrasion
- g. Recognize serious conditions of the eye that require emergent ophthalmologic referral, such as:
 - i. Uveitis
 - ii. Retinal hemorrhage
 - iii. Retinal detachment
 - iv. Acute glaucoma
- h. Recognize the diagnostic issues and treatment of glaucoma
- i. Recognize ophthalmologic signs and symptoms of systemic diseases, including
 - i. Diabetes
 - ii. Thyroid disorders
 - iii. Hypertension
 - iv. Temporal arteritis
 - v. Inflammatory bowel disease
- j. Recognize indications for a variety of elective surgical procedures, including:
 - i. Cataract removal
 - ii. Lens implants
 - iii. Radial keratotomy
- k. Demonstrate proficiency in performing the following techniques and procedures:
 - i. Fundoscopic exam
 - ii. Evaluation of extraocular movement and visual fields
 - iii. Recognizing ophthalmologic emergencies
 - iv. Removing foreign bodies
 - v. Managing corneal abrasion
 - vi. Managing eyelid abnormalities
 - vii. Recognizing ophthalmologic signs and symptoms of systemic disease

III. Rotation Design

The majority of the Ophthalmology rotation occurs in clinic and surgical center.

IV. Credits

4 week course = 4 credit hours (MED 8300 or MED 8310)

2 week course=2 credit hours (MED 8301 or MED 8311)

V. Suggested Textbook and References

- a. Basic Ophthalmology, 9th ed. <http://store.aao.org/clinical-education/topic/comprehensive-ophthalmology/basic-ophthalmology-9th-edition-1.html>
- b. Physician's Guide to Eye Care, 4th ed. <http://store.aao.org/clinical-education/topic/comprehensive-ophthalmology/physician-s-guide-to-eye-care-4th-edition.html>
- c. OphthoBook <http://www.ophthobook.com/order>
- d. RootAtlas <http://www.rootatlas.com/wordpress/>

VI. Course Grading/Requirements for Successful Completion of the Ophthalmology Rotation

- a. Attendance according to VCOM and preceptor requirements
- b. Preceptor Evaluation at end-of-rotation

Grading policies, academic progress, and graduation requirements may be found in the *College Catalog and Student Handbook* at: <http://www.vcom.vt.edu/catalog/>.

VII. Clinical Performance Objectives

The end-of-rotation evaluation for this rotation will be completed by your preceptor and is based on clinical core competencies. These core competencies reflect student performance in 6 key areas: communication, problem solving, clinical skills, medical knowledge, osteopathic medicine and professional and ethical considerations. Your end-of-rotation evaluation from your preceptor will be based directly on your performance in these 6 core competencies as described below.

- a. Communication - the student should demonstrate the following clinical communication skills:
 1. Effective listening to patient, family, peers, and healthcare team
 2. Demonstrates compassion and respect in patient communications
 3. Effective investigation of chief complaint, medical and psychosocial history specific to the rotation
 4. Considers whole patient: social, spiritual & cultural concerns
 5. Efficiently prioritizes essential from non-essential information
 6. Assures patient understands instructions, consents & medications
 7. Presents cases in an accurate, concise, well organized manner

- b. Problem Solving – the student should demonstrate the following problem solving skills:
 1. Identify important questions and separate data in organized fashion organizing positives & negatives
 2. Discern major from minor patient problems
 3. Formulate a differential while identifying the most common diagnoses
 4. Identify indications for & apply findings from the most common radiographic and diagnostic tests
 5. Identify correct management plan considering contraindications & interactions

- c. Clinical Skills - the student should demonstrate the following problem solving skills:
 1. Assesses vital signs & triage patient according to degree of illness
 2. Perform good auscultatory, palpatory & visual skills
 3. Perform a thorough physical exam pertinent to the rotation

- d. Osteopathic Manipulative Medicine - the student should demonstrate the following skills in regards to osteopathic manipulative medicine:
 1. Apply osteopathic manipulative medicine successfully when appropriate
 2. Perform and document a thorough musculoskeletal exam
 3. Utilize palpatory skills to accurately discern physical changes that occur with various clinical disorders
 4. Apply osteopathic manipulative treatments successfully

- e. Medical Knowledge – the student should demonstrate the following in regards to medical knowledge:
 1. Identify & correlate anatomy, pathology and pathophysiology related to most disease processes
 2. Demonstrate characteristics of a self-motivated learner including demonstrating interest and enthusiasm about patient cases and research of the literature
 3. Are thorough & knowledgeable in researching evidence based literature
 4. Actively seek feedback from preceptor on areas for improvement

5. Correlate symptoms & signs with most common diseases

- f. Professional and Ethical Behaviors - the student should demonstrate the following professional and ethical behaviors and skills:
 1. Is dutiful, arrives on time & stays until all tasks are complete
 2. Consistently follows through on patient care responsibilities
 3. Accepts & readily responds to feedback, is not resistant to advice
 4. Assures professionalism in relationships with patients, staff, & peers
 5. Displays integrity & honesty in medical ability and documentation
 6. Acknowledges errors, seeks to correct errors appropriately
 7. Is well prepared for and seeks to provide high quality patient care
 8. Identifies the importance to care for underserved populations in a non-judgmental & altruistic manner

- g. Osteopathic Manipulative Medicine Components
Students must be familiar with the OMM didactic and workshop requirements for their OMS-4 year as described in the Osteopathic Manipulative Medicine website.