



# Edward Via College of Osteopathic Medicine

## 4<sup>th</sup> Year Clinical Rotation: Dermatology

MED 8400: Elective Clinical Rotation I MED 8401: Elective Clinical Rotation I  
 Elective Clinical Rotation I MED 8410: Elective Clinical Rotation II MED 8411: Elective Clinical Rotation II  
 Elective Clinical Rotation II MED 8420: Elective Clinical Rotation III MED 8421: Elective Clinical Rotation III  
 Elective Clinical Rotation III MED 8430: Elective Clinical Rotation IV MED 8431: Elective Clinical Rotation IV  
 Elective Clinical Rotation IV

## COURSE SYLLABUS

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### I. Rotation Description

Student will learn to diagnose and treat skin conditions most commonly seen in primary care as well as those important but rare conditions needing specific referral. Students will also perform a competent and relevant history and physical examination, including the ability to adequately describe the findings. They will perform the diagnostic and therapeutic procedures necessary for adequate care in primary care and feel comfortable with the selection, indications and contraindications of dermatologic compounds.

### II. Rotation Goals

- Understand terminology for the arrangement, distribution, type and pattern of lesions seen on the skin
- Understand indications for systemic evaluation, including HIV and syphilis
- Gain the ability to diagnose and treat the following conditions:
  - Dermatitis, including: contact, atopic, exfoliative, nummular, stasis, diaper
  - Papulosquamous, including: seborrhea, psoriasis, pityriasis, rosacea, superficial fungal infections, miharia, lichen planus
  - Vesiculobullous, including: impetigo, herpes, varicella, erythema multiforme
  - Macular Eruptions, including: hives, angioedema, dermatographism
  - Nodules, including: erythema nodosum, dermatofibroma, granuloma annulare, sarcoid, cysts
  - Generalized conditions, including: Winter Itch/Asteatosis, scabies, secondary systemic diseases
  - Localized conditions, including: Neurodermatitis/Lichen simplex chronicus, pruritus ani, pediculosis/lice, insect bites, pin worms
  - Cutaneous infection
  - Bacterial, including: impetigo, erysipelas, lymphangitis, cellulitis, boils
  - Fungal, including: superficial and deep
  - Viral, including: Herpes simplex, Herpes zoster, warts, molluscum
  - Complexion and cosmetic problems, including: acne, rosacea, wrinkles, spiders, varicosities, milia, enlarged pores, oily skin
  - Cutaneous injury, including: burns, blisters, abrasions, bruises, bites, stings
  - Pigment disorders, including: Tinea versicolor, vitiligo



15. Hair problems
  16. New growths, including: inflammatory, hyperplastic, neoplasia – benign and malignant
  17. Nail problems
  18. Mucous membrane problems, including: thrust, ulcers, leukoplakia, cheilitis, geographic tongue, hairy tongue
- d. Understand the basics of the following procedures:
1. Cryotherapy
  2. Cautery, including chemical, electrical with and without curettage
  3. Biopsy, including punch, shave, excisional
  4. I&D of abscess
  5. Intralesional steroid injection
  6. Treatment of ingrown toenails, including wedge resections, complete resection with nailbed ablation
  7. Use of Wood's lamp
  8. KOH prep
  9. Comedomal extraction

### **III. Rotation Design**

The Dermatology rotation occurs in the office setting.

### **IV. Credits**

4 week course = 4 credit hours

2 week course = 2 credit hours

### **V. Suggested Textbook and References**

Habif: Clinical Dermatology, 5<sup>th</sup> ed. (available on MD consult)

- a. Chapter 2 – Topical therapy and topical corticosteroids
- b. Chapter 5 – Atopic Dermatitis
- c. Chapter 7 – Acne, Rosacea and Other Related Skin Disorders
- d. Chapter 8 – Psoriasis and other Papulosquamous diseases
- e. Chapter 13 – Superficial fungal infections
- f. Chapter 20 – Benign skin tumors
- g. Chapter 21 – Premalignant and Malignant Non-Melanoma Skin Tumors
- h. Chapter 22 – Nevi and Malignant Melanoma

### **VI. Course Grading/Requirements for Successful Completion of the Dermatology 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