

Ohio University College of Osteopathic Medicine
Centers for Osteopathic Research and Education
Class of 2010 CORE Clinical Rotation: Selective

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Course Title:	Pathology
Instructor of Record:	Peter B. Dane, D.O.
Credit Hour:	6 to 12 credit hours
Rotation Length:	2 – 4 weeks
Prerequisites:	Successful completion of the Family Medicine Clerkship, Part 1

Syllabus Components

1. Rotation Description, Purpose and Philosophy
2. Rotation Objectives
3. Orientation to Rotation
4. Required Activities and Assignments
5. Student Performance Evaluation
6. Recommended Resources
7. Standards of Professional Conduct
8. Tips for Successfully Completing the Rotation

1. Rotation Description, Purpose, and Philosophy

The purpose of this rotation is to provide the student with an overview of the clinical specialty. This rotation is not intended to transform the student into a specialist, but rather it is to provide the clinical clerk a survey of the specialty

2. Rotation Objectives

A set of learning objectives is provided below. The objectives are intended to guide the student's learning activities and to serve as a baseline for assessment of the student's knowledge, skills, and professional behavior. While these objectives are the focus of the rotation, s/he is to care for all assigned patients.

Rotation Objectives: Knowledge Domain

1. Demonstrate use of appropriate terminology for gross and microscopic descriptions of surgical specimens.
2. Show insight about technical preparation of sections, including processing, sectioning, and staining.
3. Evaluate and interpret historic and laboratory data to appropriately evaluate a clinical specimen.
4. Identify and understand the common patterns of organ specific histology and pathology.
5. Develop a differential diagnosis for common pathologic sections.
6. Become competent in diagnosing commonly seen surgical pathology sections (i.e. gastric and colon biopsies).
7. Understand the basis of common special stains.
8. Demonstrate understanding of protocol driven workups as applicable to various subspecialties.

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9. Develop familiarity with basic pathology texts, as well as recent surgical pathology literature, as deemed appropriate by the preceptor.
10. Research daily topics assigned by the preceptor.

Rotation Objectives: Clinical Skills Domain

During this elective rotation, the student is expected to develop her/his competencies in the following clinical skills.

1. Appreciate the importance of surgical pathology, and why microscopic analysis is essential to proper diagnosis. (M)
 2. Understand the flow of surgical pathology from gross specimen to microscope. (M)
 3. Know why certain gross specimens are processed the way they are. (M)
 4. Understand the purpose and procedure behind frozen section pathology. (M)
 5. Recognize the importance of using ancillary techniques such as electron microscopy, immunohistochemistry, and molecular pathology. (M)
 6. Learn appropriate dissection and diagnostic techniques for all specimens. (A)
 7. Perform basic dissection of gross specimens under the direct guidance of the preceptor. (A)
 8. Be able to describe gross specimens in terms of size, color, shape, and other pertinent characteristics. (M)
 9. Be able to describe microscopic sections in terms of cell types, distribution, size, morphology, color, and other non-cellular structures. (M)
 10. Help with laboratory tidiness, including instrument cleaning, and gross section area organization. This includes helping troubleshoot small problems. (M)
- Optional;
1. Accompany the pathologist to the hospital laboratory and learn the basic functions of various laboratory equipment and machinery.
 2. Accompany the pathologist on select coroner calls, if the pathologist is a coroner.

3. Orientation to the Rotation

The student should try to meet with the preceptor either prior to or on the first day of the rotation.

Clarifying the following details with the preceptor will help to ensure a rewarding and successful rotation:

- a. Student responsibilities on the service.
- b. Preceptor expectations of the student on the service.
- c. Goals, objectives, and the structure of the rotation.
- d. Required rotation assignments and responsibilities in the preceptor's practice (e.g. clinics, lectures, conferences, other didactics, journal clubs, rounds, office hours, morning report).
- e. Discuss the Evaluation of Student Clinical Performance form. The student should ask for feedback several times during the rotation, especially at mid-rotation. In addition, he/she should be prepared to share past clinical experiences and personal objectives for this rotation with the preceptor. (e.g. mid-rotation.) when feedback on student performance will be provided.

4. Required Learning Activities, Assignments, and Responsibilities

In order to earn academic credit for this rotation, the following activities must be completed successfully:

- a. Fulfill all required responsibilities identified by the preceptor during orientation.
- b. Attend and participate in all CORE education day and other didactic presentations as described in the Year 3 and 4 Student Manual and as assigned by the CORE Assistant Dean.
- c. *Within two weeks of the end of the rotation,*
 - Submit the online Student Evaluation through New Innovations.
 - Submit to the CORE office a 1-2 page summary specifically describing how the student met the established objectives as stated in this syllabus. (This evaluation activity will serve as an alternative to the standard post-rotation exam.)

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- Ensure that your preceptor's written evaluation is completed and submitted to the CORE office.

5. Student Performance Evaluation

A student's grade for this rotation will be based on completion of all assignments and the following criteria.

The Preceptor's Written Evaluation

A student must receive a passing grade from the preceptor in order to pass the rotation. If the preceptor considers the student's progress to be *Marginal*, the CORE Assistant Dean will, in consultation with the preceptor, recommend an appropriate remediation plan to the Associate Dean for Pre-Doctoral Education for approval. If the preceptor grades the student progress as *Failure*, the student will be given a grade of "F" for the rotation and will be referred to the Committee on Student Progress (CSP).

Acceptance of Summary

The CORE Assistant Dean or the Instructor of Record (the Associate Dean for Predoctoral Education) must determine that the one-to-two page summary of how the student met the objectives is acceptable.

6. Recommended Resources

1. Robbins & Cotran Pathologic Basis of Disease, Seventh Edition by Vinay Kumar, Nelso Fausto, and Abul Abbas (Jul 30, 2004). Saunders.
2. Histology for Pathologists by Stacey E Mills (Sep 1, 2006). Lippincott Williams & Wilkins
3. Sternberg's Diagnostic Surgical Pathology Review by Pier Luigi DiPatre and Darryl Carter (Aug 1, 2004). Lippincott Williams & Wilkins

See the Class of 2010 Year 3 and 4 Student Manual booklist for a list of resources approved for ALL rotations.

7. Standards of Professional Conduct

The OU-COM Honor Code applies to all activities in the CORE as well as on the Athens campus. "As a member of the medical profession, I will maintain the highest standards of academic and personal behavior. As a medical student I will not cheat or plagiarize or tolerate that behavior in others." OU-COM Honor Code

Students are encouraged to study together and to share their knowledge freely with one another during the learning process. During examinations, however, no assistance from other students or from outside sources is allowed, unless explicitly permitted by the CORE office. Books, notes, and other materials must be left at the periphery of the testing area during examinations.

Professional standards required of a member of the Osteopathic profession are a requirement for passing this rotation, as is compliance with the professional standards of the hospital and outpatient offices of the student's preceptor. Students are expected to maintain high professional standards of behaviors. They should exhibit such personal characteristics as honesty and integrity, as well as to maintain patient confidentiality at all times. Unprofessional behavior may result in a failing grade in this rotation, regardless of other academic performance on this rotation, and could subject the student to dismissal from the hospital in which they are based. Professional conduct shall be evaluated by the CORE Assistant Dean through observation of and interaction with the student, his/her preceptor, other hospital attending physicians and staff.

8. Tips for Successfully Completing the Rotation

Success on this rotation requires the student to be proactive. Taking an interest in the specialty and becoming an active team member of the service is critical to learning in a clinical setting. Remember, the clinical learning environment differs from the classroom. The student will be expected to think on

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his/her feet and learn as s/he goes. To capitalize on *the learning moment*, seek out opportunities to ask questions and speak up appropriately.

In addition, be sure to:

- review the syllabus to understand all requirements
- discuss with the preceptor previous clinical experiences and personal goals and objectives for this rotation
- clarify the preceptor's expectations of performance early on in the clerkship
- come prepared to take advantage of the opportunities this rotation has to offer

If there are any questions, please contact the CORE Administrator or CORE Assistant Dean.