# Medical Student Radiology Clerkship

*Course Coordinators*

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*Clerkship Objectives*

1. Basic understanding of common imaging modalities including the various indications and potential complications.
2. Appropriate use and sequencing of radiologic imaging to achieve better patient care while containing costs.
    a. Learn the most appropriate imaging examination to order to answer common clinical questions.
    b. Understand the role of the radiologist as a consultant and be able to provide pertinent clinical information to guide appropriate imaging.
    c. Understanding of contraindications to common procedures.
3. Exposure to imaging procedures, with goal of understanding patient-specific factors which may limit or preclude specific studies.
4. Ability to recognize "don't miss" diagnoses on common imaging modalities (AMSER curriculum).
5. Become familiar with imaging terminology to aid in understanding radiology reports.
6. Learn normal radiographic anatomy and common diseases as displayed on plain radiographs.
7. Develop a basic understanding of radiology physics, specifically of the harmful effects of radiation and what studies involve radiation exposure.
8. Become familiar with technology (i.e. PACS).

*Expectations of Medical Students of Radiology Clerkships*

1) Read a basic textbook of radiology
2) Attend all lectures *(food not provided)*
    a. Medical Student Conference Tuesdays (3pm) in the Van Epps Library
    b. Noon Conference in the Radiology Conference Room
3) Actively participate in medical student didactic sessions
4) Complete procedure log.
5) Refer to online AMSER curriculum - https://www.aur.org/AMSER/ for a more broad view of radiology subjects.
6) Complete and present (to other medical students) one formal case presentation.
7) Complete and pass final examination

*Clinical Responsibilities*

Daily

Mondays - Fridays: 8a.m. – 4:30 p.m.: Excused for noon conference all med student didactics.

Daily clinical responsibilities are primarily observational, but medical students should seek opportunities to assist by looking up relevant patient information, performing literature searches to address specific clinical/imaging questions, and, in some instances, answering the phone (with the understanding that this should be with the approval of the radiologist/resident and that calls will often require radiologist/resident input).

*Presentation*

POWERPOINT patient/case presentation to include the following:

1. Chief complaint/presenting history.
2. Pertinent/past medical history.
3. Physical exam
4. Images (labeled with modality/study type, with ALL patient identifiers removed)
5. Description of imaging findings
6. Differential diagnosis for imaging findings.
7. Actual (or presumed) diagnosis
8. Information about diagnosis, clinical significance, etc.
9. Treatment

*Evaluation (and approximate weighting)**

1. Clinical evaluations and log: 25%
2. Presentation: 25%
3. End of Block Exam: 50%

*Books*

1) Mettler-Essential's of Radiology, eBook (HSC Library CLNS 883 Diagnostic Radiology Course Reserves, https://hslic-unm.on.worldcat.org/courseReserves/course/id/13390842)
2) Squire's-Fundamentals of Radiology, hard copy (check out at HSC Library before start of course)
3) Donnelly - Fundamentals of Pediatric Radiology (available online)
4) Felson's – Principles of Chest Roentgenology (available online)
5) School of Medicine library (available to check out or online)

*Supervision and Teaching*

*Amount and Type: Daily.*
*Formal Didactics:*

1) Resident Noon Conference: M-F at 12 noon. (Radiology Conference Room)
2) Dedicated Medical Student Didactic Sessions:
    a. Tuesdays at 3 pm (Van Epps Library)

*Housekeeping Issues*

1) You are on an official medical school clerkship. It is important to notify Jesse Hernandez if you will be late or absent.
2) Notify Hollie Medina or course directors immediately of any problems, needle sticks, etc.
3) Please do not eat lunch in the Van Epps Library.
4) Keep noise to a minimum as physicians are working in the surrounding offices.
5) The Radiology Administrative area is open from 8am to 5pm; otherwise, doors will be locked without access.