

Title of Clerkship: **Musculoskeletal Radiology Elective - UTMC**

Elective Year: Fourth Year

Department: Radiology

Type of Elective: Clinical   x   Non-Clinical/Research \_\_\_\_\_ Basic Science \_\_\_\_\_

Clerkship Site: The University of Toledo Medical Center

Course Number: RADI707

Blocks Available: All blocks

Number of Students/ Block: 2

Faculty: Robert Coombs, MD, Haitham Elsamaloty, MD, Terrence Lewis, MD, Hassan Semaan, MD, Lee Woldenberg, MD, Jacob Zeiss, MD

Elective Description/ Requirements: Designed as a two week supplement following Introduction to Diagnostic Radiology. One will participate in two weeks of Musculoskeletal (MSK) Radiology daily clinical activities. Students will attend all MSK radiology departmental case conferences provided during the rotation and various interdisciplinary conferences when available.

Length of Clerkship: 2 weeks

Links to Core Competencies: Educational Course Objectives:

IPC-2, PC7-PC10, PBL-1, SBP-1, SBP-2  
IPC-2, MK1-MK4, PBL-7  
PC7-PC10  
MK1-MK4, PBL-7, PC7-PC10  
PC-6, PC-7

IPC-1, MK2-MK4, PB-4, PB-5,  
PC-7, PC-8  
IPC-1, IPC-2, PB-2, PB-3,  
PC-8, PC-9, PC-10

1. Defend common MSK radiology tests, including their accuracy, limitations and risks by utilizing ACR Appropriateness Criteria for common conditions.
2. Discuss and interpret clinical MSK radiology cases which provide clinical, radiologic, and pathologic correlations on various disease processes.
3. Incorporate patient specific variables into ordering and interpreting appropriate MSK imaging tests.
4. Identify the different MSK interventional procedures performed by radiology including their contraindications, risks and benefits.
5. Identify radiation, contrast, and MRI safety concerns to minimize and quantify risk from common MSK imaging studies.
6. Communicate effectively with patients and clinicians when reporting imaging results or consulting on test appropriateness.

Professionalism: UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

Instructional Methods: -Small-group, Clinical skills and Didactic Sessions  
-Lecture/Didactic sessions  
-Independent study  
-Observation of and participation in daily radiology cases  
-Observation of image guided procedures  
-Observation of and participation of technologies used in radiology including but not limited to CT, MRI, US, DR, and DM.  
-Review of teaching cases and discussion with faculty (PACS time)

Evaluation Methods: 1. Attendance  
2. Evaluation of participation in small-group discussion during case conferences  
3. Faculty/resident observation and assessment of clinical skills  
4. End of rotation case presentations and online case submissions over the 2 weeks

Prerequisites: Diagnostic RADI 705, Diagnostic RADI 760 or RADI/PATH 762

Clerkship Director: Haitham Elsamaloty, MD

Clerkship Coordinator: Mary Carroll  
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Special Requirements: None.

**AAMC Hot Topics Addressed in this Elective Clerkship:**  
*(please make selection from attached Hot Topic list)*

Clinical problem solving/decision making, Communication skills, Diagnostic Imaging Evidence Based Medicine, Health Care Quality Improvements, Health Care Systems Medical ethics, Medical Socioeconomics, Practice Management, Women's Health