

Title of Clerkship: **Diagnostic 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: RADI 705

Blocks Available: All blocks

Number of Students/ Block: 9

Faculty: Toledo Radiologic Associates

Elective Description/ Requirements: Designed as an intensive two week introduction to Diagnostic Radiology. One will participate in a plethora of clinical activities in the Department of Radiology including subspecialty assignments in Cardiothoracic, Gastrointestinal, Genitourinary, Musculoskeletal, and Neuroradiology as well as ½ day modality based experiences in diagnostic radiography/mammography, CT, MRI, ultrasound and nuclear medicine. Online lectures and case based modules will supplement daily clinical activities in order to create a uniform curriculum for all medical students.

Students will attend all 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:

<p>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</p> <p>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</p>	<ol style="list-style-type: none"> 1. Defend common radiology tests, including their accuracy, limitations and risks by utilizing ACR Appropriateness Criteria for common conditions. 2. Discuss and interpret clinical cases which provide clinical, radiologic, and pathologic correlations on various disease processes. 3. Incorporate patient specific variables into ordering and interpreting appropriate imaging tests. 4. Identify the different 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 imaging studies. 6. Communicate effectively with patients and clinicians when reporting imaging results or consulting on test appropriateness.
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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:

- Problem-solving exercises (web-based case modules)
- Small-group, Clinical skills and Didactic Sessions
- Lecture/Didactic sessions (traditional and web-based)
- 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.
- Case discussions with radiology and pathology correlation
- Didactic sessions to include but not limited to subspecialty radiology in emergency, neuroradiology, GI/GU, musculoskeletal, cardiothoracic, interventional, and vascular.
- 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. 360-degree evaluations of communication skills and behavior on modality rotations by technologists
5. Professionalism assessment module Alliance of Medical Student Educators in Radiology (AMSER)
6. End of rotation AMSER shelf-exam

Prerequisites: None

Clerkship Director: Haitham Elsamaloty, MD

Clerkship Coordinator: Mary Carroll
Phone Number: 419-383-3403
Email: Mary.Carroll@utoledo.edu

Special Requirements: This course is NOT available to students who previously took RAD1 760 or RAD1/PATH 762