

Title of Clerkship: Introduction to Imaging Elective - UTMC

Elective Type: Fourth Year Elective

Department: Radiology

Clerkship Site: The University of Toledo Medical Center

Course Number: RADI702

Blocks available: All

Number of students per

block:

Faculty: UTMC Radiologists

Elective Description/
Requirements: Four one week blocks covering all imaging modalities dealing with the Central and Spinal Nervous System, the Musculoskeletal System including vascular, the Cardio-Pulmonary System, and the Gastro-Intestinal and Genito-Urinary System. Lectures on the basic physics of imaging, from x-ray to magnetic resonance. Instruction and use of the Picture Archiving and Communication System (PACS). An understanding of how images and interventions are performed.

Length of Clerkship: 4 weeks

Links to EPOs **Educational Course Objectives:** At the end of this clerkship:

P1 the student will understand the ethical and dependable behavior required by imagists and themselves as it relates to patients.

P3 The student will be able to appreciate the scope of normal images, and understand the limitation of their knowledge as it applies to imaging of pathology, and begin to create a matrix of fundamental principles to begin life-long learning

K5 The student will recognize the most frequent imaging manifestations of common diseases in multi-modalities.

S1 The student will learn to communicate, orally and in writing, with patients and health-care professionals, from the imagists in the normal functioning of diagnosis and intervention

S6 The student should be able to identify all procedures that take place on a daily basis in an active imaging department, including tube placements, biopsies and drainage procedures using imaging guidance, and CT guided ablation therapy.

S7 The student will gain knowledge of the most common types of imaging and should be able to understand how they are used in the treatment of disease.

S11 The student will learn to retrieve images from the PACS system in order to make decisions and solve problems in the care of patients.

Professionalism: Assessment of attendance, discussion of ethical behavior of professionals, punctuality, professionalism in dress, comportment, speech and interactions with all staff. Instruction in what is expected of a professional in the practice of imaging, the importance of collaboration with other health care professionals, and the importance of humility, honesty and a lack of arrogance in the practicing physician. They will observe the means of protecting patient privacy in the reading room. 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 in our department.

Instructional Methods:
Lecture
Impromptu mini-lectures
Content check list
Imaging teaching files
Book assignments
Shadowing imaging professionals
Image interpretation and participating with imaging team

Evaluation methods employed:

1. Attendance
2. Evaluation of participation
3. Written examination
4. Faculty observation of behavior in small groups.
5. Problem solving exercises
6. Professionalism assessments
7. Assessment of knowledge of imaging anatomy.

Prerequisites: None

Clerkship Director: Lee Woldenberg, M.D., F.A.C.R.

Clerkship Coordinator: Elaine Cherry

Phone Number: 419.383.3428

Email: Elaine.cherry@utoledo.edu

Special Requirements: None

AAMC Hot Topics
Addressed in this
Elective Clerkship: Evidence Based Medicine as it relates to Imaging including stressing of cost-effective decision making
The use of the Internet Teaching files, and the PACS system for retrieving patient images.