

Faculty In Charge Of Course:	Ronald Bilow, MD
Participating Faculty:	Ronald Bilow, MD; Ramesh Chinapuvvula, MD
Location:	Hermann Hospital
Offered:	Blocks 1-13 except 12
Max. # Students/Period:	2

Course Objective

Material Covered:

Student will gain an understanding of medical imaging examination utilization to assist clinical providers in the care of patients presenting to the EC with emergent and urgent medical conditions, with emphasis on trauma. The radiologist’s role as a consultant to emergency providers, trauma and general surgeons, as well as other surgical and medical subspecialists will also be highlighted. Students will have the opportunity to observe and participate in the care of acutely ill or injured patients.

Skills Acquired:

Understanding of various methods of communication in a medical setting including: interpersonal skills, HIPPA compliance, radiation physics and safety measures in the setting of diagnostic image acquisition (including both radiography (X-Ray) and computed tomography (CT)). Develop methodology to increase the learners’ ability to detect findings on diagnostic imaging examinations which require urgent attention. Develop and understanding of the components of a radiology report. Develop an understanding of the strengths and weaknesses of diagnostic imaging examinations, and the appropriateness of their use in various clinical scenarios. Understand how to appropriate request diagnostic imaging examinations, including what would be considered appropriate clinical history to include in the request.

Activities Of Elective

The elective involves significant teaching by faculty, often in a 1:1 or 1:2 faculty to student ratio.

At least five (5) hours per week are aimed at the MS IV level.

The students are evaluated based on the demonstration of their accomplishment of the objectives.

Number Of New Patients/Student/Week: Student will see approximately 50 imaging examinations per day

Responsibilities Of Student For Assigned Patients:

Does history/physical:	No
Who critiques:	N/A
Follows patients, with appropriate notes as needed:	No
Who supervises:	N/A
Does student see ambulatory patients:	Yes

Procedures	Observe	Perform
N/A		

Scheduled Duties of Student:

Frequency of rounds on patients	N/A
Presents patients to preceptor or attending physician	No
Weekly schedule of required teaching sessions	Student will attend daily lectures provided for RAD 4001 course

Describe Optional Rounds And Activities, If Any:

N/A

Other Required Activities:

Reading/review of current literature	Yes
Writing or presenting a paper	No
Other	Student will prepare a brief (up to 5 minutes) oral presentation on a traumatic entity of their interest (topic to be approved by Elective Director on start of the elective) with emphasis on imaging study options, technique and findings

How Is Student Evaluated:

Direct observation

Who Evaluates Students:

Course faculty

Unique Features Of This Elective:

MHHS-TMC is one of a small handful of institutions in the US where embedded radiology services are provided in the EC.

DUE TO THE COVID-19 PANDEMIC, EMBEDDED EMERGENCY RADIOLOGY SERVICES ARE ON HOLD. STUDENTS WILL GAIN EXPERIENCES VIA LIVE READOUT IN THE EMERGENCY RADIOLOGY READING ROOMS AND VIA SCREEN SHARE WITH FACULTY.