



Professional Enrichment Course

University of Pittsburgh School of Medicine

Office of Medical Education

PEC Registrar – Denise Downs d downs@pitt.edu 412-648-8749

Course Name: Clinical Radiology and Anatomy

“Learning Anatomy through Imaging”

Enrollment Period:	Fall 2022
Course Dates:	Tuesday, September 6th, 5:30 – 8:00 Tuesday, September 20th, 5:30 – 8:00 Tuesday, October 4th 5:30 – 8:00
Student Max:	No maximum
Class Year:	MS1
Course Director:	Allison Weyer, MD (weyerag2@upmc.edu)
Course Administrators:	Aric Berning, MD (berninga@upmc.edu) Roger Kayaleh, MD (kayalehr@upmc.edu)
Location:	Gross Anatomy Lab
Registration:	Via Amp Up – Registration open date will be announced via email
Course Description:	<p>This course is designed to run concurrently with and complement the Medical Anatomy MS-1 course. The mini-elective will consist of multiple stations designed to emphasize anatomy that is pertinent during each block. During each session, students will be assigned into small groups. Each session will cover the basics of Clinical Radiology and is designed to supplement the classroom lectures presented by Dr. Branstetter. Sessions will focus on the basic understanding and interpretation of both plain radiographs and cross-sectional imaging with an emphasis on normal examinations. The imaging appearance of relevant anatomy from the concurrent anatomy block will be reviewed along with a “hands on” experience in the anatomy lab where students will have an opportunity to correlate radiographic anatomy with gross anatomy by rotating through several stations in their small groups. The number of students per group and the duration of each group’s experience will be determined by the total number of course enrollees. An emphasis will be placed on maximizing the amount of “hands on” time in the gross anatomy lab. We will meet for this in-person mini-elective at the gross anatomy lab on the aforementioned dates</p>

Objectives:	<ul style="list-style-type: none"> • Students will gain an understanding of the imaging modalities commonly encountered in clinical practice. • Students will be able to recognize normal anatomic structures on radiographs and cross-sectional imaging • Students will strengthen their knowledge of gross anatomy by correlating the appearance of normal anatomic structures on gross specimens with their appearance on common imaging examinations. • Students will have the opportunity to ask questions during guided, interactive review sessions to deepen their understanding of anatomy through correlation with imaging.
Pre-Requisites:	None
Requirements:	<p>To receive a Certificate of Completion for this course, students must:</p> <ol style="list-style-type: none"> 1. Attend and participate in all three course sessions above (exceptions for extenuating circumstances may be considered on a case-by-case basis). 2. Complete a pre- and post-course survey assessing experience and attitude toward interpreting medical imaging. 3. Complete a pre- and post-course knowledge quiz. Performance on this quiz will not impact successful completion of the course.
Texts:	None

Session 1, Tuesday, September 6th, 5:30 – 8:00 p.m.

- Thoracic, cardiovascular, and abdominopelvic anatomy will be explored chest x-ray, high resolution CT, CT angiography, cardiac MRI, and ultrasound. Stations will include (1) thorax, (2) abdomen, (3) pelvis, (4) cardiac, and (5) basics of imaging.

Session 2, Tuesday, September 20th, 5:30 – 8:00 p.m.

- Head and neck anatomy will be explored utilizing CTA of the head and neck, MRI of the brain, spine radiographs, and MRI of the spine. Stations will include (1) neck and brain vasculature, (2) brain and brainstem, (3) pharynx and larynx, (4) neck soft tissues by triangles and landmarks.

Session 3, Tuesday, October 4th, 5:30 – 7:30 p.m.

- Extremities anatomy will be explored utilizing radiographs, CTAs, and MRI of the joints and major compartments. Stations will include (1) upper extremity muscles/tendons, (2) lower extremity muscles/tendons, (3) vasculature of the extremities, (4) osseous anatomy.