

RADIOLOGY

Course name and number: General Diagnostic Radiology RADI 421a.

Faculty:

Dr. Douglas Casey

Dr. Brooke Morrell

Duration: 4-weeks

Availability: All blocks except Block 7

Number of students: Maximum of 4

Objectives:

1. Students will learn which studies to order for their patients to maximize effectiveness and efficiency.
2. Students will gain a basic understanding of how to approach studies which they will encounter in the ER or wards.

Means of Implementation:

Students will rotate on designated days through different sections to emphasize the scope of diagnostic radiology and reinforce what they have learned are the diagnostic options for various diagnostic questions from the Junior Radiology course and clinical experience.

Students will be given instruction during rotations on how to approach plain films of the chest, abdomen and musculoskeletal. This will be reinforced with the recommended reading of Felson's Chest Radiology and Squire's Fundamentals of Radiology. They will also have exposure to advanced imaging techniques including MRI, CT, Nuclear Medicine and Ultrasound.

Students will spend one week functioning as a member of the interventional radiology team.

Students will prepare one case presentation and present in Medical Student Journal Club. Also, they will have the benefit of up to 40 hours of didactic lectures on various topics in Radiology.

Method of Evaluation:

Evaluation is based on attendance, presentations, and participation in daily conferences and clinical sessions.

RADIOLOGY

Course name and number: Interventional Radiology RAD1 420

Faculty:

Dr. Richard Marshall

Duration: 4-weeks

Availability: All blocks except Block 7

Number of students: Maximum of 1

Objectives:

1. Students will learn indications and techniques for vascular and non-vascular Interventional Radiology procedures.
2. Students will gain a basic understanding of perioperative or non-operative management of inpatients and outpatients.

Means of implementation:

Students will spend four weeks rotating as a member of the Interventional Radiology team.

Students will rotate on designated days through different sections, including Interventional Radiology 3rd Floor, Invasive Lab and Clinic, to emphasize the scope of Interventional Radiology and reinforce what they have learned are the procedural and management options for various clinical scenarios.

Students will be given instruction during rotations on how to approach procedures along with the management of inpatient consults and outpatient referrals as well as patients admitted to the Interventional Radiology service. This will be reinforced with the recommended reading of Kandarpa's Handbook of Interventional Radiologic Procedures. They will also have exposure to the basics of radiation safety while employing advanced image-guided procedure techniques, including fluoroscopy, ultrasound and CT.

Students will have the benefit of up to 40 hours of didactic lectures on various topics in Diagnostic and Interventional Radiology.

Method of evaluation:

Evaluation is based on attendance and participation in conferences and clinical sessions.