

RADIOLOGY (RAD)

RAD 700: Pediatric Radiology

5 Credits/Maximum of 5

Tutorial course emphasizing interpretation, clinical correlation, indications, and limitations of imaging studies used in the evaluation of infants and children.

Prerequisite: first and second years of medical school; third year of medical school recommended but not required

RAD 771: General Radiology–Clinical Elective

5 Credits/Maximum of 5

Clinical elective including experience in diagnostic radiology, film interpretation, nuclear medicine, and radiation therapy.

Prerequisite: completion of first two years of medical school

RAD 772: Radiology Advanced Elective

5 Credits/Maximum of 5

Clinical experience in interpreting radiographs and imaging studies, , fluoroscopy, dictating and signing radiologic reports, and providing consultative services.

Prerequisite: written permission by the department of radiology

RAD 773: Interventional Radiology

5 Credits/Maximum of 5

The Interventional Radiology (RAD 773) elective incorporates Patient Care, Medical Knowledge, Practice-based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, and Systems-based Practice. Key competencies students develop over the course of medical school and the medical knowledge gained with completion of the prerequisite General Radiology (RAD771) elective are applied to the clinical practice of Interventional Radiology. Interventional Radiology is an invaluable resource to modern healthcare, providing minimally-invasive, image-guided procedures which allow for diagnosis and treatment of various conditions. The types of procedures and their potential clinical applications offered by Interventional Radiology has greatly increased the need for unique clinical expertise and has led for it to become its own specialty. Interventional Radiology is utilized by nearly every clinical subspecialty, allowing an Interventional Radiologist to be exposed to a variety of clinical conditions and patient populations. Because of this, the elective can be beneficial for any student, regardless of career choice. Major objectives of the elective are to expose students to the wide range of procedures utilizing various imaging modalities, learn about indications and contraindications for commonly encountered procedures, gain experience with the pre-procedural assessment and post-procedural management involved with the clinical care of patients, understand the importance of radiation and patient safety practices in the procedural suite. Over the course of the 4-week elective the topics to be discussed are Patient-Centered Care, Radiologic Diagnosis and Treatment, Procedural Considerations, and Safety

Prerequisites: RAD 771

RAD 774: Radiation Oncology Elective (3rd or 4th year)

5 Credits/Maximum of 5

This course provides exposure to the scope of clinical Radiation Oncology.

Prerequisite: successful completion of the 2nd year of medical school

RAD 774A: Radiation Oncology Elective (3rd year)

2.5 Credits

This course provides 2 week exposure to the scope of clinical Radiation Oncology.

Prerequisite: successful completion of the 2nd year of medical school

RAD 795: Virtual General Radiology, phase III

5 Credits/Maximum of 5

This General Radiology RAD 771 Virtual Radiology Elective incorporates Patient Care, Medical Knowledge, Practice-based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, and Systems-based Practice. Key competencies that medical students should achieve in radiology are refined over the four years of medical school and this elective will utilize multiple teaching methods to reinforce and teach the student some of these competencies in a remote clinical learning environment. Diagnostic radiology has become an integral part in the assessment of health, diagnosis of disease and treatment of patients. The elective exposes the student to all modalities currently used in diagnostic imaging. Major objective of the elective are the understanding of the radiology safety issues to patient and medical personnel, indications and contraindications for radiological studies and procedures and the cost-effective radiological work-up of various clinical conditions. Another major aim of the course is to teach issues of relevance for patient preparation for radiologic studies and procedures. Approach to the interpretation of various radiology studies and recognition of common emergency radiology findings will also be addressed. For these reasons, the elective is of potential major benefit for any student, whatever his or her ultimate career objective may be. Over the course of this 4-week elective, the topics discuss include safety, appropriateness, film interpretation, and importance of expediting and executing patient care when emergent radiologic findings are diagnosed.

RAD 796: Radiology Individual Studies

5 Credits/Maximum of 5

Creative projects including nonthesis research, supervised on an individual basis and which fall outside the scope of formal courses.

RAD 796A: Radiology Individual Studies for 3rd year Medical Students

2.5 Credits

Radiology Individual Studies for 3rd Year Medical Students.

Prerequisite: successful completion of one 3rd year core clerkship

RAD 797: Radiology Special Topics

5 Credits/Maximum of 5

Formal courses given infrequently to explore, in depth, a comparatively narrow subject which may be topical or of special interest.

RAD 797A: Radiology MSK

2.5 Credits

Formal courses given infrequently to explore, in-depth, a comparatively narrow subject which may be topical or of special interest.