

SSOM Radiology Vertically Integrated Curriculum

Course Goals by Competency

Within Stritch School of Medicine's competency-based curriculum, this course provides opportunities for learning and evaluation as listed in the following competencies:

Note: Each competency of this course listed below is linked to a SSOM competency.

Medical Knowledge

- Describe the underlying principles of radiography and demonstrate skill in the systematic interpretation of plain radiographs. [SSOM 2.4]
- Summarize key principles of a variety of other medical imaging tests, including magnetic resonance imaging (MRI), computed tomography (CT), ultrasound, nuclear medicine, mammography, and interventional radiology. [SSOM 2.4]
- Identify normal anatomy on medical imaging studies. [SSOM 1.1]
- Discuss the relationships between disease and their medical imaging presentation in each organ system. [SSOM 1.2]

Patient Care

- Apply clinical reasoning skills in the interpretation of a variety of common diagnostic imaging tests. [SSOM 2.1]
- Utilize the findings and reported interpretation of diagnostic medical imaging studies to formulate appropriate differential diagnoses in the appropriate clinical settings. [SSOM 2.2]
- Summarize indications for the use, comparative benefits/drawbacks, and potential risks of a variety of medical imaging modalities. [SSOM 2.3]
- Understand how to use evidence-based guidelines in choosing the appropriate medical diagnostic imaging testing for a particular clinical scenario and demonstrate the ability to apply this knowledge to a particular case. [SSOM 2.3]
- Demonstrate skill in the systematic interpretation of plain radiographs, magnetic resonance imaging (MRI), computed tomography (CT), ultrasound, nuclear medicine, mammography, and interventional radiology. [SSOM 2.4]
- Utilize electronic health records and other information technology as it relates to medical imaging to provide effective care of patients. [SSOM 2.7]

Interpersonal and Communication Skills

- Demonstrate effective interpersonal and communication skills in both simple and complex interactions with patients and families. [SSOM 3.2]

- Recognize the role of the radiologist as a consultant and demonstrate effective interpersonal skills with radiologists, radiology health professionals, and other colleagues when communicating about diagnostic imaging. [SSOM 3.3]

Practice-Based Learning and Improvement

- Critically assess one's own strengths and limitations in knowledge, skills, and patient interactions by both self-assessment and being open to feedback. [SSOM 4.1, 4.2, 4.3]
- Seek assistance from appropriate and available resources to successfully remediate deficiencies. [SSOM 4.3]
- Search, evaluate, and critically review radiologic scientific evidence appropriately and apply that knowledge to one's own patient cases. [SSOM 4.4, 4.5]

Professionalism

- Interact with patients, faculty, staff and peers with courtesy and respect. [SSOM 5.1]
- Recall principles of ethics in the physician patient relationship. [SSOM 5.2, 5.3/5.5]
- Maintain respect for patient privacy. [SSOM 5.3]
- Form a respectful working alliance with a small group of peers and faculty as a basis for future professional relationships [SSOM 5.1/5.4]
- Demonstrate responsibility, accountability, and punctuality in course activities, including lectures, small group sessions, workshops, and preceptor activities. [SSOM 5.2]
- Demonstrate appropriate use of and participation in remote learning methods. [SSOM 5.1/5.2]
- Demonstrate proper care of all equipment, tools and resources used in medical education and simulation. [SSOM 5.1/ 5.2]
- Complete course evaluations in a timely manner and provide constructive feedback to course faculty and the course director in a professional manner. [SSOM 5.1/5.2]
- Complete course examinations and assignments honestly. [SSOM 5.1/ 5.2]

Systems Based Practice

- Develop diagnostic and treatment strategies regarding medical imaging that are cost-effective, sensitive to limited resources, and do not compromise quality of care. [SSOM 6.1]
- Commit to being an advocate for patient safety and quality care and improvement. [SSOM 6.3]
- Commit to being an advocate for the underserved and underrepresented patient population. [SSOM 6.4]

- Promote and engage in activities that enhance diversity, equity, and inclusion in medical education [SSOM 5.4/6.2/6.4]

Interprofessional Collaboration

- Respectfully identify roles and responsibilities of medical students, nurses, medical imaging professionals and other allied health care professionals [SSOM 7.2]
- Collaborate and communicate with other allied health care students, and staff to deliver patient care in a team-centered manner. [SSOM 7.1, 7.2, 7.3]

Personal and Professional Development

- Respectfully receive and incorporate feedback to advance personal and professional growth. [SSOM 4.3/8.2]
- Demonstrate ongoing personal commitment to self-directed and life-long learning related to new and emerging medical imaging technologies for patient care. [SSOM 4.1/4.4/4.5/8.2]