RAD 880J: Diagnostic Radiology

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BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#
Block 1A	0	Block 3A	6	Block 5A	6	Block 7A	6
Block 1B	0	Block 3B	6	Block 5B	6	Block 7B	6
Block 1C	0	Block 3C	0	Block 5C	0	Block 7C	0
Block 2A	6	Block 4A	0	Block 6A	6	Block 8A	6
Block 2B	6	Block 4B	0	Block 6B	6	Block 8B	6
Block 2C	0	Block 4C	0	Block 6C	0	Block 8C	0

COURSE DESCRIPTION: During this rotation, students will be exposed to the spectrum of radiology through observational rotations in subspecialty areas of imaging, lectures, self-directed tutorials and readings, presentations, and assignments.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Describe the following: the spectrum of diagnostic radiology as well as diagnostic and therapeutic image-guided interventional techniques; the appropriate sequencing of exams and limitations of diagnostic imaging tests including cost-effectiveness of imaging studies; risks of medical imaging; how common procedures and imaging are performed on patients. (MK5, PC6, SL2)
2. Demonstrate appreciation of the following: the breadth of medical knowledge necessary for imaging performance and interpretation; the spectrum of caregivers involved in diagnostic and therapeutic imaging areas; the fundamental role and value of imaging to provide timely, accurate and actionable diagnostic information regarding a patient's medical condition; the role of the radiologist as consultant to the clinician and importance of providing detailed clinical information. (MK8, CS1, IP1, IP3, IP4)
3. Describe the indications and appropriateness of imaging studies for common clinical problems, and apply interpretive skills to evaluate basic imaging studies – predominately plain films and CT. (MK5, MK8, PC2, PL3)
4. Participate in imaging interpretation including study identification, recognition of normal radiographic and cross-sectional anatomy, and common pathology as depicted on common studies. (MK1, MK3, PC1, PC2)
5. Evaluate chest X-ray for technical adequacy, normal anatomy, common, and/or potentially life-threatening abnormalities. (MK1, MK3, PC1, PC2)
6. Utilize the ACR Appropriateness Criteria to determine the most appropriate imaging test for common clinical scenarios (MK5, PL3)

INSTRUCTIONAL METHODOLOGIES & ROTATION ACTIVITIES: Students will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Every student will have the opportunity to spend time in the following subspecialty areas: Chest, Body Imaging, Neuroradiology, and Vascular Interventional, and one of the following Nuclear Medicine, Pediatrics, Ultrasound, or Musculoskeletal.
2. Daily faculty lectures, online materials, radiological anatomy review, AHRQ M&M cases, and given reading materials.
3. Participation in Point of Care US Simulations and Hands on Ultrasound Lab emphasizing FAST Scans.
4. Presentation of an evidence-based imaging case, inclusive of differential diagnostic considerations, appropriate imaging workup, complications, cost, and radiation dose.
5. Students will review 10 common pathological conditions and create dictations based on ACR Practice Guidelines
6. Students will present one imaging case to the class to include brief history and physical findings, indication for the imaging, appropriateness of imaging, and discussion of the imaging findings.

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. A wide variety of clinical conditions including acute and chronic, medical and surgical diseases in patients of all ages.
2. Patients undergoing a variety of imaging procedures.

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods:
1. E*Value Clinical Performance Evaluation.
2. Evaluation of student participation in the faculty conferences, US lab, and clinical rotation.
3. Evaluation of student completion of CORE cases and Sonosim ultrasound modules, and performance on Dictation module and Case of the Month presentation.
4. Performance on two quizzes, one of which is take home.

Will students be expected to participate in call? ☐ YES ☒ NO