Department of Radiology

Website: https://www.mir.wustl.edu

Courses

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M90 Radiol 701 General Radiology Clerkship

This two-week introductory radiology elective allows students to rotate through four of the following radiology services: Emergency Radiology, Mammography, Pediatrics, Chest, Abdominal Imaging, Musculoskeletal, Neuroradiology, Interventional Radiology and Nuclear Medicine. The primary course objective is to familiarize students with the scope of diagnostic and interventional radiology, including the consulting role that radiologists provide to primary care and specialty providers, the risks/benefits and cost-effectiveness of radiologic examinations, and the guidelines for ordering common studies as well as specific disease entities and their radiologic appearance and work-up. Students spend the majority of the day in the radiology reading rooms with residents, fellows, and faculty for interactive teaching based on daily clinical cases. Students will attend morning case-based conferences and noon didactic conferences with the residents. The students will have an observational role in conferences and in the clinical setting. In the afternoon, students will convene with a radiology resident for an interactive workshop on a scheduled topic in radiology. The day prior to each workshop, students will receive a templated PowerPoint presentation of the following day's workshop, and they are expected to spend the afternoon preparing for the next day's session. Students will be evaluated on their preparedness and participation in the afternoon workshops. On Friday afternoons, students will present an interesting case from the week in PowerPoint format. Two PowerPoint presentations will be submitted at the end of the rotation for grading. An image-based exam will be given during the final week of the elective covering topics presented in the daily student workshops. Reading lists, references and text books will be provided. The first and final days of the elective are mandatory. Grades will be based on daily attendance, workshop participation, the exam at the end of the rotation, and submitted PowerPoint presentations. More than three days absence will require exceptional work for honors. No honors will be awarded if a student is absent for more than five days of the rotation. Credit variable, maximum 77 units.

M90 Radiol 740 Radiation Oncology Clerkship

The four-week clerkship in Radiation Oncology will provide students with the opportunity to participate in the evaluation and management of a broad range of patients referred for consideration of radiation therapy. Clerkship activities will take place at the Barnes-Jewish Hospital/Siteman Cancer Center complex and at our satellite facilities. Students will conduct patient evaluations under the supervision of radiation oncology department residents and faculty. Students will attend many conferences throughout the weeks, with the work day starting between 7:00 a.m. and 7:30 a.m. Students will also have the opportunity to attend the appropriate multidisciplinary clinics, follow-up clinics and multidisciplinary conferences (e.g., pediatric neuro-oncology, cardiothoracic oncology, lymphoma, GYN tumor) pertaining to their rotation and subspecialties. Instructional materials are available for students on the rotation. (Students are not expected to purchase any curricular materials for the clerkship.) Student performance will be evaluated by both resident and faculty members who supervise the student over the course of the clerkship. Credit 154 units.

M90 Radiol 801 General Radiology

This four-week introductory radiology elective allows students to rotate through four of the following radiology services: Pediatrics, Abdominal Imaging, Musculoskeletal, Neuroradiology and Nuclear Medicine. Once workflow is back to pre-COVID baseline, other subspecialty rotations may be added in Emergency Radiology, Mammography, Chest, and Interventional Radiology. Until pre-COVID workflow is restored, this rotation will remain completely virtual. Preferences should be emailed at least two weeks prior to the course start date, and they are on a first come first serve basis, and cannot be guaranteed. The primary course objective is to familiarize students with the scope of diagnostic, and potentially interventional, radiology including the consulting role radiologists provide to primary care and specialty providers, the risks/benefits and cost-effectiveness of radiologic examinations, and guidelines for ordering common studies as well as specific disease entities and their radiologic appearance and work-up. If workflow returns to pre-COVID status, students spend the majority of the day in the radiology reading rooms with residents, fellows, and faculty for interactive teaching based on daily clinical cases. Students will attend morning case-based conferences and noon didactic conferences with the residents. The students will have an observational role in conferences and in the clinical setting. In the afternoon, students will attend virtual conferences in COVID workflow, or convene with a radiology resident once normal operations are resumed, for an interactive workshop on a scheduled topic in radiology. The day prior to each workshop, students might receive a template Power-point form of the following day's workshop and are expected to spend the afternoon preparing for the next day's session. Students will be evaluated on their preparedness and participation in the afternoon workshops. On Friday afternoons, students will present an interesting case from the week in Power-Point format. Three Power-Point presentations will be submitted at the end of the rotation for grading. Reading lists, references, and text books will be provided. The first day of the elective is mandatory. Grades will be based on daily attendance and interactions, workshop participation, and submitted Power-Point presentations. More than 3 days absence will require exceptional work for honors. No honors will be awarded if a student is absent for more than five days of the rotation.

M90 Radiol 802 Advanced Radiology

This course is available only to students who have completed the General Radiology Clerkship Selective (M90 701) or the General Radiology Elective (M90 801). This four week sub-internship in radiology is intended for students who are interested in pursuing radiology as their intended career choice. Students may tailor their experience to focus on one or more services...
M90 Radiol 820 Clinical Nuclear Medicine
The clinical service in Nuclear Medicine (NM) is divided into five sections: outpatient general NM, inpatient general NM, Positron Emission Tomography (PET), Pediatric NM studies, NM Cardiac studies, and radionuclide therapy. The recommended schedule will be to spend weeks 1 and 3 in the Center for Advanced Medicine/BJH North Campus (second floor), where the emphasis will be on outpatient general and pediatric Nuclear Medicine with some time spent in the PET reading room. Week 2 will be in South Campus (West Pavilion 9th floor) and split between inpatient general nuclear medicine, outside PET facilities (morning), cardiac NM services (afternoon), and radionuclide therapy. The schedule for Week 4 will be Monday to Wednesday Center for Advanced Medicine/BJH North Campus and Thursday to Friday in South Campus. This rotation’s primary objective is to provide exposure to the full range of clinical nuclear medicine studies. Under the direct supervision of the NM attending, the student via ZOOM will participate in the planning and interpreting of imaging studies for patients referred to the Division. An opportunity also exists to explore instrumentation techniques, including dedicated computer applications utilized to interpret NM studies. In addition to the clinical experience, the student will attend the NM daily morning conference, held via ZOOM, from 8-9:00 a.m. Also, the student will be excused to attend via ZOOM the daily diagnostic radiology resident noon conference from 12-1:00 p.m. The student will also be able to attend any conferences within the Department of Radiology and case management conferences where NM studies are discussed. The student has to participate by preparing a case for the Friday follow-up conference under the direct supervision of the NM attending, the course director, the NM program coordinator, and the Department of Radiology (08/31/21).

M90 Radiol 830 Interventional Radiology
This elective is designed to give students in-depth exposure to and experience in all clinical and procedural aspects of interventional radiology including: patient evaluation and consultation, preparation of patients for procedures, performance of vascular and non-vascular procedures, post-procedure patient management, and longitudinal patient follow-up. Students will actively participate in interventional procedures. Students will attend the departmental noon conference (daily) and morning section conferences including didactic lectures, Quality and Safety conference, Journal club, Interventional oncology conference, multidisciplinary liver tumor conference, and case conferences.

M90 Radiol 842 Thoracic Imaging
A four-week elective emphasizing the interactions between cardiothoracic radiologists and the various clinical services, to include thoracic surgery, thoracic oncology, and pulmonary medicine. Learn to read chest radiographs at the viewing console while providing liaison with the clinical teams. This active elective will include the daily chest teaching conference and participation in weekly pulmonary case conference, thoracic surgery, thoracic oncology conferences, as well as the imaging aspects of the clinicopathological medicine conference. Learn to identify subtle pneumothorax and pneumonia. Learn the limitations of portable chest radiographs. Rotating on cardiac CT and MR service and in the ED service, if interested. The student will be expected to present a single case from what they have seen during the rotation at a 7AM teaching conference.

M90 Radiol 900 Research Elective: Radiology
Research opportunities may be available. If interested, please contact the Departments of Radiology or Radiation Oncology.