

RADI 815Ae - Diagnostic Radiology (Maricopa Integrated Health Systems, Phoenix)**Mary J. Connell M.D. (Kerry D. Rosado; 602.344.1516 kerry_rosado@medprodoctors.com)**

Offered year round: 4 wks ONLY

Directly supervised/ non-patient care

Min. enrollment 1; max enrollment 2

Prerequisites: Medical Students

Objectives/Goals:

For the student to overview the scope of Radiology, not as much as to convince them to become future radiologist, but for them to learn to properly utilize and not to over utilize the specialty. The philosophy of the program is that the students will be our clinical colleagues, so that the curriculum is structured behind the student and not resident based.

Objectives:

1. To familiarize the students with all the available imaging modalities such as: General radiology; CT, MRI; US; N.M.; IR; PET; Teleradiology; PACS; computers and other tools used in organ based Diagnostic Imaging.
2. To use individualized evidence medicine for correlation, cost effectiveness reporting, and communication.
3. To introduce them to some search patterns of logical approach used in reviewing and interpreting images.
4. To review and discuss with the students emergency routine, unusual and interesting cases (case based teaching and mentoring).
5. To have an insight into the historic development of radiology.
6. To understand some of the risks, contraindications and limitations of imaging

Format:

1. Teaching methods and philosophy are catered to the student learning strategy and not as "mini residents".
2. The learning process consists of: Observing, reading, listening, and learning from mistakes.
3. Communicating is the ability and willingness to speak and write what has been learned.

These are achieved by:

1. Class lectures together with the residents. (Didactic)
2. Self directed learning: reading books and publications and use of the computer for reference. (The student must be willing to learn and communicate).
3. Role modeling, mentoring and case based teaching by one on one contact with the attendings.
4. Conferences including: Tumor Board, Peer Review, M&M, etc.
5. Use of the Chartmax for individualized evidence medicine/clinical to radiologic correlation.
6. Elective Subspecialty observation with resident/attending supervision (IR, CT, US, NM, Rad, Mammo, MR).
7. Encourage students to do presentations to residents and staff.

Evaluation Methods:

The students are evaluated by participating faculty members. The students will be expected to fill out an evaluation form rating the quality of the overall elective experience

RADI 815Ag (sect 2) - Diagnostic Radiology (Banner Good Samaritan Medical Center)**Dr. E. Westfall (602 239 4601)**4 wks *only*; offered year round

Directly supervised/Patient care.

Maximum enrollment of 1 (GSRMC)

Prerequisites: General and Systemic Pathology 801

Goals: To expose the student to the varied modalities available in diagnostic imaging. Although interpretation of conventional radiography is stressed, the student will also observe GI fluoroscopy, angiography, neuroradiologic procedures and interpretation of images, CT, MRI and ultrasound.

Format: The experience at the University Hospital is both practical and didactic. Each staff person presents 2-3 sessions to the students, usually concentrating on a specific area of radiology. In addition, there are a large number of conferences in the department. Two conferences per day are directed to the radiology residents covering the various imaging sub-specialties. These are of considerable value to the students. In addition, many joint conferences with other departments are held each week. The student is expected to read basic radiology primers provided by the department and to review the Dr. Lucy Frank Squire medical imaging teaching series (slides) in the Medical School Library. Elective experience is also available in Tucson at TMC and St. Mary's. In Phoenix, an elective experience is offered at Banner Good Samaritan Medical Center. Opportunity for these electives is based on availability of the respective private practitioners. Arrangements should be made with the Radiology secretary coordinating the elective. There is a maximum of one student at Banner Good Samaritan Medical Center.

Evaluation Methods: The student grade is based on subjective evaluation by the staff and on the results of a written examination. At the end of the elective, each participating faculty member submits to the course coordinator his/her impression of the student based on his/her personal contact during daily activities and student conferences. In addition, a written examination is given at the end of the elective. Questions are derived from the conferences presented to the

students by the staff and from the textbook primer. Radiographs demonstrating fundamental principles or requiring a patterned approach are utilized for the examination.

RADI 815As (sect 3) - Diagnostic Radiology (Scottsdale Healthcare Hospitals)

Dr. J. Levy and Staff (480 425 5000)

4 wks or by arrangement, offered year round

Directly supervised/Patient care

Maximum enrollment of 3

Prerequisites: Completion of basic sciences: Contact Carrie Doedderleim 480 425 5008 prior to registration.

All rotations are preformed at Scottsdale Healthcare (Shea or Osborn). Scottsdale Healthcare requires a mandatory orientation of medical students prior to rotation. Please contact Susan Weisman @ 480-882-5473 to arrange orientation only.

Goals: To give the student a broad, basic introduction to radiology as it is practiced in the community hospital.

Format: Students are exposed to the gamut of radiologic examinations and procedures, as practiced in the community setting. During the rotation, the student is expected to develop skills in interpreting chest x-rays and learning appropriate decision making in ordering imaging examinations. Depending on each student's particular interests, time may be spent in subspecialty areas (ultrasound, nuclear medicine, etc.). An introductory text is provided on loan to students, and further reading is suggested as the student's needs are assessed. Most afternoons are spent in subspecialty areas or independent study.

Evaluation methods: Students are evaluated by a consensus of participating preceptors.

RADI 891Bf - Diagnostic Radiology (St. Joseph's Hospital and Medical Center, Phoenix)

Dr. R. Richardson (Sandra.Edwards@chw.edu 602 406 3382)

4 wks *only*; offered year round

Not directly supervised/Patient care. Prior approval.

Maximum enrollment of 2

Prerequisites: Completion of basic sciences.

Goals: This elective exposes the student to the daily activities of a busy, modern imaging department within a private teaching hospital atmosphere. The student will become familiar with the scope of imaging and interventional procedures available, their applicability in various clinical situations and learn fundamentals in film image interpretation.

Format: Students will rotate through several different areas of the department on a weekly basis:

Week 1-GI and GU Radiology and Pediatric Radiology

Week 2-General Film Reading and CT Body

Week 3-Neuroradiology and Interventional Radiology/Angiography

Week 4-Nuclear Radiology and Ultrasound

Evaluation Methods:

1. Student participation in daily teaching conferences.
2. Evaluations submitted by participating faculty members.
3. Dedicated weekly student lectures.