680E NEURORADIOLOGY

Course Description: This elective will give the student the opportunity to review a large number of examinations of the head, neck and spine under the supervision of the faculty. Occasionally, the student will have the opportunity to attend didactic teaching or case conferences at noon at UC Irvine Medical Center (most Wednesdays). Very little direct faculty teaching occurs due to the nature of the caseload; however, discussions of individual cases can be quite detailed on occasion. There are no formal assignments of any kind. In addition to the morning discussion of cases, the student may have the opportunity to observe the performance of cerebral angiography. Students have the option to attend the weekly early morning Neuroradiology/Neurosurgery conferences held in the conference room above the library on Wednesday mornings at 7:30 am.

Department: Radiological Sciences

Prerequisites: UC Irvine students must have successfully completed their basic science curriculum. Extramural students must be in their final year of undergraduate medical education.

Restrictions: A Radiology Core Clerkship must be taken before enrollment

Elective Director: Jason Handwerker, M.D., UC Irvine Medical Center, Department of Radiological Sciences 101 The City Drive, Orange, CA 92868 714-456-5033 jhandwer@uci.edu

Site Coordinator: Melissa Khy, UC Irvine Medical Center, Department of Radiological Sciences, 101 The City Drive South, Building 56, Suite 300, Route 140 Orange, CA 92868, Office: (714) 456-5535 Fax: (714) 456-7430 Email: mkhy@uci.edu

Site: UC Irvine Medical Center

Instructing Faculty: Dr. Handwerker, Dr. Hasso,

Course Website: None

Location to Report on First Day: Radiology Reception Area, Bldg 1, Basement

Time to Report on First Day: 9 am

Who to Report to on First Day: Melissa Khy

Periods Available: Throughout the year except the month of July, Thanksgiving week, the week following Thanksgiving and the weeks that include Christmas and New Year's Day

Duration: 1 week ONLY; additional weeks need approval from the department.

Number of Students: 2 maximum

Scheduling Coordinator: UC Irvine students please email comsched@uci.edu or call (714) 456-8462 to make a scheduling appointment. Please read the following information carefully. Any student enrolled at a U.S. LCME medical school will use VSAS to apply. To apply please refer to this website http://www.aamc.org/programs/vsas/.

Course Objectives: At the end of this rotation the student will be able to:

- Explore in greater depth those features of diagnostic imaging in neuroradiology to provide a deeper understanding of the analytical processes involved in radiologic diagnosis.

Key Topics:

- The student will be able to understand the scope of service provided by neuroradiology, including the appropriate imaging workup and image directed intervention in neurological disease.

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The student will be able to apply basic anatomical and pathophysiological knowledge gained in the initial medical school years, to intelligently approach the interpretation of basic neuroaxis imaging studies.

Competencies:

- The student will understand how images are acquired, and be able to evaluate the quality and general level of information, and limitations, of different computed tomographic imaging protocols for the neuroaxis.
- The student will acquire a basic knowledge of the process of interpretation of head and cervical spine studies.

Attitudes and Commitment:

- Respect for the proper utilization of neuroradiological resources.

Educational Activities: See course description

What Students Should do to Prepare for the Rotation: Prior General Radiology Clerkship

Clinical Responsibilities of the Student: None

Patient Care Responsibilities: No direct responsibility

Call Schedule of the Student: None

Procedures Students will Learn: None

Percentage of Time in Ambulatory Setting: None

Conference/Lecture/Small Group Sessions:

Course Hours Weekly Summary:

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<th>Lecture</th>
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Content Theme Integration: Not Stated

Recommended Reading: To be assigned

Official Grading Policy: The student will receive a grade of Honors, Pass or Fail. The student’s final grade will be submitted on the standard UC Irvine elective form. The student will be evaluated by attendings and residents based upon attendance, knowledge base, motivation, professionalism and interpersonal skills. The student is required to write and present a case report. If the student fails the elective a grade of "F" will be permanently recorded on his/her transcript. The student can repeat the course for a second grade, however, the "F" will not be removed from the transcript.