680M INTERVENTIONAL RADIOLOGY (IR)

Course Description: The IR elective provides students with the opportunity to study IR patients in outpatient and hospital settings and participate in pre-, intra-, and post-procedural patient care. The clinical evaluation, pathogenesis, diagnosis, and treatment of IR diseases are taught. Emphasis is given to the analysis of non-invasive imaging used in the planning of IR procedures.

Department: Radiological Sciences

Prerequisites: Successful completion of 1st and 2nd year curriculum.

Restrictions: None

Elective Director: Dayantha Fernando, M.D., UC Irvine Medical Center, Department of Radiological Sciences 101 The City Drive, Orange, CA 92868, 714-456-6595, dayanthf@uci.edu

Site Coordinator: Lindsay Wold, UC Irvine Medical Center, Department of Radiological Sciences, 101 The City Drive South, Building 1, Room 0115, Orange, CA 92868, Office: (714) 456-6595 Fax: (714) 456-6832 Email: lwold@uci.edu

Site: UC Irvine Medical Center

Instructing Faculty: Dr. Abi-Jaoudeh, Dr. Fernando, Dr. Katrivesis, Dr. Nelson

Course Website: None

Location to Report on First Day: Radiology Education Office, Bldg 20

Time to Report on First Day: 7:30 am

Who to Report to First Day: Lindsay Wold

Periods Available: Throughout the year

Duration: 2 to 4 weeks

Number of Students: 3 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...

- Develop data integration, clinical reasoning, and oral presentation skills.
- Create differential diagnoses and treatment plans.
- Communicate medical information to patients in lay language.
- Improve time management skills.
-Continue their personal growth and the development of professional, ethical, and altruistic behaviors and attitudes.
- Appreciate the effect of social factors and cultural and health beliefs on patient health and illness.
- Search the medical literature for evidence-based patient-specific information and utilize evidence based medicine to conduct medical care.
- Experience IR as a clinical specialty.
- Learn about Medicare coding, Medicare compliance, insurance plans, and health care costs.

12/18/2018
Key Topics:

- IR and general radiology
- Pathophysiology of vascular, oncological, urological and biliary diseases
- Evidence based medicine
- Professionalism
- Patient care
- Patient confidentiality
- Doctor-Patient communication
- Medicare compliance and managed care
- Advanced directives
- Consultative communications

Competencies:

- Obtain comprehensive histories and perform complete physical examinations
- Present a detailed history and physical and formulate a differential diagnosis, and plan management.
- Integrate clinical, laboratory and imaging data.
- Proficiency in time management and organizational skills.
- Gain experience in inpatient and outpatient care.
- Learn pre-procedural and post-procedural management.
- Use evidence based medicine to guide patient management.
- Acquire the knowledge of IR procedures.
- Gain familiarity with practice of Conscious Sedation and Intra-operative Biometric Monitoring.
- Learn to manage contrast reaction and toxicity.
- Gain familiarity with the imaging modalities of IR and acquire a basic skill level in the observation, synthesis, and management of medical imaging cases.

Attitudes and Commitments:

- Become confident in the role of primary care giver.
- Become more proficient in communication skills to aid in care of their patients.
- Gain greater understanding of professionalism in medicine.
- Accept responsibilities such as the primary workup of new patients, order writing, and note writing.
- Assume a high level of patient care responsibility in preparation for residency
- Strengthen their clinical and procedural skills
- Improve their ability to manage complex, acutely ill patients.
- Learn to work as a team member.
- Demonstrate commitment to the highest quality patient care

Educational Activities:

- Accompany the attending, resident, and/or fellow on rounds and participate in pre-procedural management.
- Report for morning conference.
- Assist in procedures and in pre and post procedural care.
- Break for lunch and attend radiology noon conference.
- Participate in clinics
- Assist in procedures and in pre and post procedural care.
- Attend Multidisciplinary case conferences

12/18/2018
How many times is each student observed taking a history and examining patients? Several times a week.

What Students Should do to Prepare for the Rotation: review recommended readings

Clinical Responsibilities of the Student: See Above

Patient Care Responsibilities: See Above

Call Schedule of the Student: None

Procedures to be Learned by the Student: basic ultrasound guidance, fluid drainage

Percentage of Time Student will Participate in Ambulatory Setting: Up to one half a day per week

Conference/Lecture/Small Group Sessions: There are no standardized lectures for this course.

Course Hours Weekly Summary:

<table>
<thead>
<tr>
<th>Throughout rotation</th>
<th>Case Based</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Conference</td>
</tr>
<tr>
<td>Varies</td>
<td>Clinical Correlates</td>
</tr>
<tr>
<td>50</td>
<td>Patient-Care Activities</td>
</tr>
<tr>
<td>0.5</td>
<td>formal feedback sessions with preceptor</td>
</tr>
<tr>
<td>10</td>
<td>Ward Rounds</td>
</tr>
<tr>
<td>~60/week</td>
<td>Total</td>
</tr>
</tbody>
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Content Theme Integration:

- Communication skills
- Death & Dying
- Decision Making
- Diversity
- Epidemiology
- Ethical Problems in Medicine
- Evidence Based Medicine
- Geriatrics
- Health Care Systems
- Home Health Care
- Humanities
- Informatics
- Integrative Medicine (CAM)
- Medical Jurisprudence
- Multicultural Medicine
- Nutrition
- Pain Management
- Palliative Care
- Patient-Health Education
- Practice Management
- Preventive & Health Maintenance
- Research Methods
- Spirituality
- Substance Abuse
- Technology Assessment
- Women’s Health

**Recommended Reading(s):**

- Handbook of Interventional Radiologic Procedures, John E. Aruny, Krishna Kandarpa, Lippincott Williams & Wilkins, 3rd edition

**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 UCI elective form. The student will be evaluated by attendings, fellows, and residents on clinical proficiency, procedural skills, participation, knowledge base, professionalism, and attendance. Throughout the rotation, the faculty preceptor encourages the student, gives the student feedback on performance, and advises the student on how to improve. Written evaluation by supervising physician. 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.