RA212.01 INTERVENTIONAL RADIOLOGY

Advanced Clinical Clerkship Location: KAISER.SUN

2005-2006 Revised: 12/8/05

COURSE CHAIR: George Vatakencherry, M.D. (323) 783-7668

COURSE OBJECTIVES (in order of importance)
1. Understanding Vascular anatomy and pathophysiology
2. Understanding the role of endovascular and image guided surgery in patient care.
3. Knowledge of global atherosclerosis (renal, mesenteric, peripheral vascular disease, and carotid)
4. Understanding the risks, benefits, and alternatives of the numerous interventional radiology procedures
5. Interpreting CT, MRI, and angiography

SUPPORTING FACULTY: Keith Terasaki, M.D., Tina Hardley, M.D., Mark Rayman, M.D., Haisan Pham, M.D.

STUDENT COORDINATOR: Steve Valencia (323) 783-4516

E-MAIL: steve.m.valencia@kp.org

REPORT TO: Dr. Vatakencherry: 4867 Sunset Blvd. L.A., CA 90027, Level 1 @ 7:30 am

PREREQUISITES: Inpatient Internal Medicine and Surgery

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2005–2006 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This is an advanced clerkship in Interventional Radiology. Knowledge of vascular anatomy and pathophysiology are vital as is knowledge of abdominal and pelvic anatomy. Students are expected to be involved in: patient consultation, procedures, rounds, multidisciplinary conferences, and journal club. Students will work side-by-side with interventional attendings and fellows, and radiology residents.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. End stage renal disease
2. Hepatic dysfunction / Hepatobiliary disease
3. Oncology
4. Aneurysms (aortic)
5. Peripheral vascular disease
6. Cerebrovascular disease

INPATIENT: 50%
OUTPATIENT: 50%
CONSULTATION: 100%
PRIMARY CARE: 0%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER: Nurses, Technologists

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK/STUDENT: 5

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 20

TYPICAL WEEKLY SCHEDULE

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<td></td>
<td>Clinical Rounds</td>
<td>Vascular Conference</td>
<td>Clinical Rounds</td>
<td>Interventional Teaching Conference</td>
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<td>8:00 – 12:30</td>
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<td>Procedures</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: none

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
RA220.01  EMERGENCY AND PRIMARY CARE RADIOLOGY

Advanced Clinical Clerkship                  Location: OVH

COURSE CHAIR:  PHONE #:  
Karl Falkenbach, MD.  (818) 364-4097

SUPPORTING FACULTY:  
Drs. S. Rooholamini, M. Small, G. Hansen, and A. Au

STUDENT COORDINATOR:  PHONE #:  
Lillie Francisco/Tanya Moro  (818) 364-4566  
E-MAIL:  lfrancisco@ladhs.org

REPORT TO:  Lillie Francisco, Room 2D131, Olive View Medical Center, 9:00 a.m.

PREREQUISITES:  Medicine and Surgery

AVAILABLE TO EXternS:  Yes

STUDENTS / PERIOD:  max 2 min 1

DURATION:  3 weeks

2006–2007 ROTATIONS BEGIN WEEKS:  
By Arrangement

DESCRIPTION:  Assignments will be made to various sections of the Radiology Department to observe how examinations are performed (fluoroscopy, ultrasound, nuclear medicine, computed tomography, angiography, interventional procedures). The students will observe and participate in intra and extra departmental conferences. Individual tutorials will be conducted for the students in the different sections of the department.

COURSE OBJECTIVES (in order of importance)
1. Learn about the different imaging modalities used in Radiology.
2. Indications and contraindications for x-ray examinations.
3. Learn how the different examinations are performed.
4. Learn x-ray signs so that the full meaning of the x-ray report will be fully appreciated.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Trauma
2. Alcoholism
3. Drug abuse
4. Tuberculosis
5. Parasites
6. Surgical emergencies
7. Pediatric emergencies
8. Medical emergencies

INPATIENT:  40%  
OUTPATIENT:  60%  
CONSULTATION:  100%  
PRIMARY CARE:  0%

CLOSE CONTACT WITH:  
X  FULL TIME FACULTY
X  CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:  NA

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:  2,250

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>Rounds</td>
<td>Film Reading, E.R.</td>
<td>Medicine Noon Conference</td>
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<td></td>
<td>Radiology/Internal Medicine/Pediatrics/ Surgical Rounds</td>
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<td>Film Reading, E.R.</td>
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<tr>
<td>PM</td>
<td>Radiology Noon Conference</td>
<td>Radiology Noon Conference</td>
<td>Radiology Noon Conference</td>
<td>Radiology Noon Conference</td>
<td>12:00 Morbid &amp; Mortality Conference (2nd Friday of each mo.)</td>
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<td>Film Reading/ Teaching File</td>
<td>Film Reading/ Teaching File</td>
<td>Film Reading/ Teaching File</td>
<td>Film Reading/ Teaching File</td>
<td>Radiology Noon Conference</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  Assignments will be made to review the American College of Radiology Learning Laboratory.
RA240.01 RADIATION ONCOLOGY

Advanced Clinical Clerkship Location: CHS  
2006–2007 Revised: 6/5/06

COURSE OBJECTIVES (in order of importance)
1. Knowledge of the natural history of cancer.
2. Treatment planning for oncology patients, stressing radiation therapy.
3. Diagnostic evaluation of cancer patients.
5. Experience with interstitial and intracavitary radiation.
6. Dosimetric procedures necessary in planning radiation therapy.
7. An understanding of curative versus palliative planning in cancer patient management.
8. Exposure to advanced radiotherapy technologies.

COURSE CHAIR: 
Michael T. Selch, M.D.  
PHONE #: (310) 825-4966

SUPPORTING FACULTY: 
Radiation Oncology Faculty

STUDENT COORDINATOR:  
PHONE #: (310) 267-6575  
E-MAIL: krose@mednet.ucla.edu

REPORT TO:  Department of Radiation Oncology  
200 Medical Plaza, Suite B265, 8:00 a.m.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Breast cancer
2. Lung cancer
3. Brain tumors
4. Head & neck cancer
5. Soft tissue sarcomas
6. Prostate cancer
7. Lymphoma/leukemia
8. Metastases

CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
X RESIDENTS
INTERNS
X OTHER Nurse, Social worker, Physicists, Technologists, Dosimetrist

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 3
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 16

TYPICAL WEEKLY SCHEDULE

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</table>
| AM   | 8:00 – 9:00 New Patient Conf.  
9:00 – 12:00 New Patient Consultation and Follow-Up Clinic | 8:00 – 12:00 Examination & Eval. of Patients Under Treatment | 8:00 – 9:00 New Patient Conf.  
9:00 – 11:00 New Patient Consultation and Follow-Up Clinic  
11:00 – 12:00 CNS Conference | 8:00 – 9:00 New Patient Conf.  
9:00 – 12:00 New Patient Consultation and Follow-Up Clinic | 7:00 – 8:30 Physics/Radiobiology Lecture  
9:00 – 12:00 New Patient Consultation and Follow-Up Clinic  
12:00 Journal Club |
| PM   | 12:00 – 1:00 Gyn Conference  
1:00 – 4:00 Examination & Eval. of Patients Under Treatment | 2:00 – 4:00 New Patient Consultation and Follow-Up Clinic | 1:00 – 2:30 Joint Conference Head & Neck Oncology | 12:00 – 1:30 Chart Rd.  
1:00 – 4:00 New Patient Consultation and Follow-Up Clinic  
4:30 Musculoskeletal Conference | 1:30 – 2:30 Thoracic Tumor Board |

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Although the clerkship is for two weeks, four week electives will be considered.
RA240.02 RADIATION ONCOLOGY

Advanced Clinical Clerkship Location: KAISER.SUN 2006–2007 Revised: 12/8/05

COURSE CHAIR: Dr. Kenneth Lodin, M.D. (323) 783-3609 COURSE OBJECTIVES (in order of importance)

1. Provide basic knowledge and diagnosis in the treatment of cancers in different organs.

SUPPORTING FACULTY:

STUDENT COORDINATOR: Steve Valencia (323) 783-4516

REPORT TO: Kenneth Lodin, Center for Medical Education, 4733 Sunset Blvd, 3rd Floor at 8:30 a.m.

PREREQUISITES: Medicine, OB/GYN, and Surgery

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 – 4 weeks (for 4 weeks enroll as “By Arrangement”)

2006–2007 ROTATIONS BEGIN WEEKS:
2,5,8,11,14,17,20,27,30,33,36,39,42,45,48

DESCRIPTION: This department is the largest tertiary care radiation oncology center in Southern California. The student will get an opportunity to work with the radiation oncology residents in evaluating new patients, plan patients for radiation treatments and follow the patient during the treatment and evaluate the outcome. The student will have the opportunity to attend the biweekly staff conference, Journal Club and weekly outside speaker presentation. In addition, they will be participating in multidisciplinary Head & Neck Cancer Clinic, Rectal Cancer Clinic, Gyn-Oncology Clinic and Breast Cancer Clinic. At the end of the course the student is required to give a presentation on a specific choice that is selected by the course director.

COURSE OBJECTIVES (in order of importance)

1. Provide basic knowledge and diagnosis in the treatment of cancers in different organs.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Carcinoma
2. Lymphoma
3. Carcinoma of rectum
4. Prostate carcinoma
5. Sarcoma
6. Childhood cancer

INPATIENT: 0%
OUTPATIENT: 100%
CONSULTATION: 100%
PRIMARY CARE: 0%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
X RESIDENTS
INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 6

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 200

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>Combined Head &amp; Neck Cancer Follow-up Clinic</td>
<td>Cancer Comm. Dept. Conference Radiosurgery Clinic Pediatric Clinic Consult, Treatment, Simulation</td>
<td>Consult, Simulation Treatment Brachytherapy Radiosurgery</td>
<td>Dept. Conference Consult, Treatment, Simulation Rectal Clinic, Follow-ups</td>
<td>Gyn-Oncology RT Follow-up Clinic Head/Neck Clinic, Consults Consult Simulation, Treatment</td>
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<tr>
<td>PM</td>
<td>Head &amp; Neck Cancer Clinic Consultations</td>
<td>Combined Gyn-Oncology/RT Clinic Brachytherapy Treatment, Consults, Simulation</td>
<td>Breast Cancer Clinic Treatment, Consults, Simulation Radiosurgery</td>
<td>Combined Rectal Clinic, Consults Brachytherapy Treatment, Consults, Simulation</td>
<td>Consult, Treatment, Simulation Physics, Biology, Statistics Lectures</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE CHAIR: Karl Falkenbach, M.D.  PHONE #: (818) 364-4097

SUPPORTING FACULTY:  
Drs. A. Au, K. Falkenbach, G. Hansen, F. Kioumehr, M. Small, and S. Roohohamini

STUDENT COORDINATOR:  PHONE #: (818) 364-4566
E-MAIL: lfrancisco@ladhs.org
FAX: (818) 364-3672

REPORT TO:  
Lillie Francisco, Room 2D131, Olive Medical Center, 9:00 a.m.

PREREQUISITES: Basic Required Clerkships

AVAILABLE TO EXTERNALS: Yes

STUDENTS / PERIOD:  max 3 min 1

DURATION: 3 weeks

2006–2007 ROTATIONS BEGIN WEEKS: By Arrangement

DESCRIPTION: Learning in this hospital-based course will be augmented by use of autonomous learning files, case work-ups, presentations and daily tutorials.

COURSE OBJECTIVES (in order of importance)
1. To correlate radiology to medical evaluations...
2. To see and to participate in the diagnosis of current hospital patients.
3. To relate radiological modalities, such as nuclear medicine, ultrasound, roentgen diagnosis, and contrast studies to the altered or pathological, anatomical, psychological, or hormonal states of the patient.
4. To improve medical judgment, analysis, and synthesis.
5. To understand indications for different radiological procedures

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Acute & chronic pulmonary disease
2. Gastrointestinal tract abnormalities
3. Cancer
4. Tuberculosis
5. Hepato biliary disease
6. Cardiovascular disorders
7. Neuroradiology
8. Urinary disorders

INPATIENT: 40%
OUTPATIENT: 60%
CONSULTATION: 100%
PRIMARY CARE: 0%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: NA

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 2,250

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>Radiation/Internal Med/ Pediatric Rounds</td>
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<td>Fluoroscopy</td>
<td>Neuroradiology Conference</td>
<td>Learning Lab</td>
<td>Medicine Noon Conference</td>
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<td>Film Interpretation</td>
<td>Nuclear Medicine</td>
<td>Chest/GI Conferences</td>
<td>Nuclear Medicine</td>
<td>Tumor Board</td>
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<td>Film Interpretation</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE CHAIR: Adam Sommerstein, M.D
PHONE #: (310) 222-2851


STUDENT COORDINATOR: Mrs. Linda Tesso
PHONE #: (310) 222-2851
E-MAIL: ltesso@dhs.co.la.ca.us

REPORT TO: Harbor-UCLA Med Ctr Main Hospital, 2nd Floor West, Room 34. If Monday is a holiday, call (310) 222-2847

PREREQUISITES: Pediatrics, Ambulatory & Inpatient Medicine, Surgery, and Ob/Gyn

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 8 min 1

DURATION: 3 weeks

2006–2007 ROTATIONS BEGIN WEEKS:
10, 14, 18, 31

DESCRIPTION: During the first two weeks of the elective, the students are required to attend and participate in formal lectures/conferences which cover the various areas in imaging, i.e., GI/GU, pediatric, chest, bone, neuroradiology, CT/MRI/ultrasound, nuclear medicine, and radiation therapy. During the third week the students may attend film review session in the area(s) of their choice, observe radiologic and interventional procedures, and make use of the radiology teaching file.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Neuroradiology: stroke, tumor, trauma
2. GU: stones-obstruction, pyelonephritis, tumor
3. Musculoskel. fracture, arthritis, tumor, benign normal variants
4. Pediatrics: congenital abnormalities, prematurity
5. GI: obstruction, GI tract cancer, inflammatory conditions (appendicitis, colitis, diverticulitis

INPATIENT: 40%
OUTPATIENT: 20%
ER: 40%
CONSULTATION: N/A
PRIMARY CARE: N/A

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER Technicians

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: NA

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 1,875

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:30 – 9:00 Orientation with Dr. Vasiniappee (1st week only)/ Learning Lab</td>
<td>8:30 – 11:00 Nuclear Medicine with Dr. Mishkin or Body Imaging CT &amp; UTS with Dr. Renslo</td>
<td>8:30 – 11:00 Learning Lab</td>
<td>8:30 – 11:00 Radiation Therapy with Dr. Zimmerman or Learning Lab and Musculoskeletal with Dr. Varma</td>
<td>8:30 – 11:00 Learning Lab</td>
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<td>9:00 – 11:00 Learning Lab (B-2W, Rm. 6)</td>
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<td>PM</td>
<td>1:00 – 4:00 Bone with Dr. Fischer or Interventional with Dr. Tanoura</td>
<td>1:00 – 4:00 Learning Lab or GI/GU with Dr. Khalkhali</td>
<td>1:00 – 4:00 MRI with Dr. Philips or Neuro with Dr. Walot</td>
<td>1:00 – 4:00 Learning Lab</td>
<td>1:00 – 4:00 Pediatrics with Dr. Diament or Chest with Dr. Milkotic</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No call.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: On the last day of the elective students are required to turn in a written description of exactly what they did and what they learned while on the elective.
COURSE OBJECTIVES (in order of importance)

1. The student will refine his/her skills in film interpretation of common pathologic processes.

2. The student will develop an understanding of technical factors which limit film interpretation.

3. The student will develop an understanding of the appropriate use of advanced imaging techniques such as MRI and nuclear medicine.

4. Students may participate in review sessions in areas of interest, to further enhance their future education.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Neuroradiology: stroke, tumor, trauma
2. GU: stones/disturbance, pyelonephritis, tumor
3. Musculoskeletal: fracture, arthritis, tumor, benign normal variants
4. Pediatrics: congenital abnormalities, prematurity
5. Thoracic: inflam (pneumonia, TB), primary & metastatic cancer, pneumothorax/effusion, inhalational, COPD
6. GI: obstruction, GI tract cancer, inflammatory conditions (appendicitis, colitis, diverticulitis
7. Hepatobiliary: cholecystitis, benign and malignant tumors, biliary obstruction, pancreatitis
8. Cardiovascular: valve disease, CHF, dissection and aneurysm, traumatic injury, grafts

CLOSE CONTACT WITH:

X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS
X INTERNS
X OTHER Technicians

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:
NA

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:
7,500

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>PM</td>
<td>Reading Session: ER, US, CT Body, Nuclear Medicine, Neuroradiology – MRI</td>
<td>Procedure: Angio/Interventional</td>
<td>Teaching File</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No call.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: On the last day of the elective students are required to turn in a written description of exactly what they did and what they learned while on the elective.
COURSE OBJECTIVES (in order of importance)

1. Students will become familiar with the general approach to radiology.
2. The major abnormalities, both trauma and non trauma, in emergency and primary care medicine, will be emphasized.
3. Cross-sectional imaging and subspecialty radiology will be introduced.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Neuroradiologic
2. Genitourinary
3. Musculoskeletal
4. Pediatric
5. E.R.
6. Thoracic
7. Gastrointestinal

INPATIENT: 0%
OUTPATIENT: 100%
CONSULTATION: NA%
PRIMARY CARE: NA%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
X RESIDENTS
INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: NA

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 500

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>Off</td>
<td>9:00 – 11:30 Lecture / Activities 73-167 CHS</td>
<td>9:00 – 11:30 Lecture / Activities 73-167 CHS</td>
<td>9:00 – 11:30 Lecture / Activities 73-167 CHS</td>
<td>10:30 - 12:00 Case Review B2-300 CHS</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 – 2:00 Orientation 1st Monday of rotation B2-300 CHS</td>
<td>12:00 – 1:00 pm Noon Conference B2-161 CHS</td>
<td>12:00 – 1:00 pm Noon Conference B2-161 CHS</td>
<td>12:00 – 1:00 pm Noon Conference B2-161 CHS</td>
<td>Off</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Required Attendance: Departmental Noon Case Conferences (Dowdy Classroom) 12:00 – 1:00 p.m., Monday – Thursday. ***(Didactic lectures and case conferences on alternate Thursdays)***
STUDENT COORDINATOR: PHONE #: Lara Gold (310) 825-5806

SUPPORTING FACULTY: Drs. G. Duckwiler and F. Vinuela

STUDENT OBJECTIVES (in order of importance)
1. Introduction to diagnosis and intervention in Neuroradiology.
4. Medical judgment; understand appropriateness criteria for endovascular versus neurosurgical treatments.
5. Interpretation skills in Neuro, CT, MRI, Angiography.
6. Medical record keeping.
7. Improve skills of doctor/patient relationships.

COURSE OBJECTIVES (in order of importance)
1. Introduction to diagnosis and intervention in Neuroradiology.
4. Medical judgment; understand appropriateness criteria for endovascular versus neurosurgical treatments.
5. Interpretation skills in Neuro, CT, MRI, Angiography.
6. Medical record keeping.
7. Improve skills of doctor/patient relationships.

RA262.02 INTERVENTIONAL NEURORADIOLOGY

Advanced Clinical Clerkship Location: CHS

COURSE CHAIR: PHONE #: Reza Jahan, M.D. (310) 206-1527

SUPPORTING FACULTY: Drs. G. Duckwiler and F. Vinuela

STUDENT COORDINATOR: PHONE #: Lara Gold (310) 825-5806 E-MAIL: lgold@mednet.ucla.edu

REPORT TO: Dr. Reza Jahan B2-188 CHS AT 9:00 a.m.

AVAILABLE TO EXTERNs: Yes

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 (2 by arrangement) weeks

2006–2007 ROTATIONS BEGIN WEEKS:
6,9,12,15,27,30,33,36,41,44

DESCRIPTION: This is an advanced clerkship in Interventional Neuroradiology. Knowledge of Neuroanatomy is important. Students are expected to be involved in: Patient consultation, procedures, rounds, and educational conferences. Student will work side by side with an Interventional fellow and faculty.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Arteriovenous malformations
2. Aneurysms
3. Arteriovenous fistula
4. Stroke
5. Tumors

INPATIENT: 80%
OUTPATIENT: 20%
CONSULTATION: 100%
PRIMARY CARE: 0%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
X FELLOWS
X RESIDENTS
INTERNS
X OTHER Nurses & Radiologic Technologist

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 5
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 13

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>7:00 – 8:00 Morning Lecture</td>
<td>7:00 – 8:00 Morning Lecture</td>
<td>7:00 – 8:00 Morning Lecture</td>
<td>7:00 – 8:00 Morning Lecture</td>
<td>7:00 – 8:00 Morning Lecture</td>
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<tr>
<td></td>
<td>8:00 – 9:00 Rounds</td>
<td>8:00 – 9:00 Rounds</td>
<td>8:00 – 9:00 Rounds</td>
<td>8:00 – 9:00 Rounds</td>
<td>8:00 – 9:00 Rounds</td>
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<tr>
<td></td>
<td>9:00 – 12:00 Procedures</td>
<td>9:00 – 12:00 Procedures</td>
<td>9:00 – 12:00 Procedures</td>
<td>9:00 – 12:00 Procedures</td>
<td>9:00 – 12:00 Procedures</td>
</tr>
<tr>
<td>PM</td>
<td>12:00 – 1:00 Noon Conference</td>
<td>12:00 – 1:00 Noon Conference</td>
<td>12:00 – 1:00 Noon Conference</td>
<td>12:00 – 1:00 Noon Conference</td>
<td>12:00 – 1:00 Noon Conference</td>
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<td></td>
<td>1:00 – 5:00 Procedure/Consult</td>
<td>1:00 – 5:00 Procedure/Consult</td>
<td>1:00 – 5:00 Procedure/Consult</td>
<td>1:00 – 5:00 Procedure/Consult</td>
<td>1:00 – 5:00 Procedure/Consult</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Call taken for all Interventional procedures (2 – 4 after hours cases/week)

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Attendance is required for Morning Lecture and Noon Conference if not in consultation or procedure. Since ionizing radiation is used, this course is not recommended during pregnancy.
COURSE OBJECTIVES (in order of importance)
1. Gain familiarity with the tracer concept and its application to evaluation of both normal and pathophysiological processes.
2. Interpretation of diagnostic nuclear medicine procedures and developing an understanding of their relationship to a wide range of primary clinical areas.
3. Gain familiarity with positron emission tomography and other specialized imaging techniques.

STUDENT EXPERIENCES

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>CONSULTATION:</th>
<th>PRIMARY CARE:</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular</td>
<td>50%</td>
<td>50%</td>
<td>100%</td>
<td>0%</td>
<td>X FULL TIME FACULTY</td>
</tr>
<tr>
<td>Neurological</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X CLINICAL FACULTY</td>
</tr>
<tr>
<td>Orthopedic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X FELLOWS</td>
</tr>
<tr>
<td>Endocrine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X RESIDENTS</td>
</tr>
<tr>
<td>Gastroenterology</td>
<td></td>
<td></td>
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<td></td>
<td>INTERNS</td>
</tr>
<tr>
<td>Organ transplant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X OTHER Basic scientists and graduate students</td>
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<tr>
<td>Infectious disease</td>
<td></td>
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<tr>
<td>Oncology</td>
<td></td>
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</table>

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: VAR
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 150

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>7:00 – 8:00 Morning Radiology Lecture</td>
<td>7:00 – 8:00 Morning Radiology Lecture</td>
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<td>7:00 – 8:00 Morning Radiology Lecture</td>
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<td></td>
<td>8:30 – 9:30 Cardiac PET Conf.</td>
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<td></td>
<td>8:00 – 9:30 Case Conference</td>
<td>8:00 – 9:00 Journal Club</td>
</tr>
<tr>
<td>PM</td>
<td>12:00 – 1:00 Radiology Noon Conf.</td>
<td>12:00 – 1:00 Radiology Noon Conf.</td>
<td>12:00 – 1:00 Radiology Noon Conf.</td>
<td>12:00 – 1:00 Radiology Noon Conf.</td>
<td>12:00 – 1:00 Radiology Noon Conf.</td>
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<td>1:00 – 2:00 Case Read Out (Mon. – Fri.)</td>
<td>1:00 – 2:00 Case Read Out (Mon. – Fri.)</td>
<td>1:00 – 2:00 Case Read Out (Mon. – Fri.)</td>
<td>1:00 – 2:00 Case Read Out (Mon. – Fri.)</td>
<td>1:00 – 2:00 Case Read Out (Mon. – Fri.)</td>
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<td>2:00 – 3:00 Outpatient Case Read Out</td>
<td>2:00 – 3:00 Outpatient Case Read Out</td>
<td>2:00 – 3:00 Outpatient Case Read Out</td>
<td>2:00 – 3:00 Outpatient Case Read Out</td>
<td>2:00 – 3:00 Outpatient Case Read Out</td>
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<td>4:00 – 5:00 Case Read Out</td>
<td>4:00 – 5:00 Case Read Out</td>
<td>4:00 – 5:00 Case Read Out</td>
<td>4:00 – 5:00 Case Read Out</td>
<td>4:00 – 5:00 Case Read Out</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: This elective allows the student to gain experience in both clinical and research applications of nuclear medicine, including positron emission tomography (PET), SPECT, and other imaging techniques and their relationship to primary care areas. * Throughout normal hours of operation, students are involved in observing and monitoring patient studies. Students are encouraged to work on specialized projects in conjunction with faculty members.