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

SUPPORTING FACULTY:
Drs K. Falkenbach, S. Rooholamini, M. Small, G. Hansen, & A. Au

STUDENT COORDINATOR:  PHONE #:
Lillie Francisco (818) 364-4566
E-MAIL: lfrancisco@dhs.co.la.ca.us

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

PREREQUISITES: Medicine and Surgery

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2003-2004 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.

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 MONTH/STUDENT: NA

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 9000

TYPICAL WEEKLY SCHEDULE

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<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>Radiology/Internal Medicine/Pediatrics/ Surgical Rounds</td>
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<td>Film Reading, E.R.</td>
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<td>Medicine Noon Conference</td>
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<td>Medicine Noon Conference</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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<td>Conference</td>
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</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.
RA220.02 BASIC EMERGENCY IMAGING

Advanced Clinical Clerkship Location: KDMC

2003-2004
12/13/2003

COURSE CHAIR: PHONE #:
Joseph Jorgens, M.D. (310) 668-4702

SUPPORTING FACULTY: Drs. R. Cook, J. Gaspar, A. Lee, T. Miller, V. Payne, J. Sun, E. Surprenant, & C. Schiepers

STUDENT COORDINATOR: PHONE #:
Irene Rodriguez (310) 668-4701

REPORT TO: Radiology Department King/Drew Medical Center, Room 1E-21.

PREREQUISITES: 3rd Year Level, U.S. Medical School

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 6 min 2

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS:
By Arrangement

DESCRIPTION: Ordering the wrong or incomplete x-ray exam can have a disastrous effect on the critically ill patient. Frequently unnecessary studies are requested as a screening procedure to help deal with a large number of patients. Communicating the nature of the clinical problem to the Radiologists has many advantages.

COURSE OBJECTIVES (in order of importance)

1. To teach how to order radiologic examinations appropriately and judiciously.
2. To develop an understanding of the role of the Radiologist on the health care team and the relationship of radiology to the other clinical disciplines.
3. To develop an appreciation of the Radiologist’s needs for adequate clinical history and a clear statement of indications for examinations being requested.
4. To develop knowledge of the basics of plain film and special examinations (C.T., ultrasound, nuclear medicine, and angiography) as they apply to the Emergency Room patient.
5. Teach the basic logic of interpretation of diagnostic images.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Multisystem penetrating & non-penetrating trauma
2. Acute cardiac emergency
3. Acute pulmonary emergency
4. Acute seizure disorder
5. Non-traumatic surgical emergency

INPATIENT: 20% OUTPATIENT: 80%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
FELLOWS
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 1000
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 12000

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>7:00-8:00</td>
<td>Radiology Trauma Conf. 8:00-9:30</td>
<td>Emergency Radiology Film Review 9:30-10:30</td>
<td>Abdomen Film Review 9:30-10:30</td>
<td>Review Chest Films 10:30-11:30</td>
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<td>10:00-11:00</td>
<td>Radiology Trauma Conf. 8:00-9:30</td>
<td>Emergency Radiology Film Review 9:30-10:30</td>
<td>CT (Neuro) Film Review 10:00-11:00</td>
<td>Review Chest Films 10:30-11:30</td>
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<td></td>
<td>Noon Conference 12:00-1:00</td>
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<td>PM</td>
<td>3:00-5:00</td>
<td>Learning Lab</td>
<td>Body CT Film Review</td>
<td>Nuclear Medicine Film Review</td>
<td>Ultrasound Film Review</td>
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<td>3:00-5:00</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
RA220.03  EMERGENCY RADIOLOGY


COURSE CHAIR:  PHONE #:
Michael Zucker, M.D.  (310) 206-7861

SUPPORTING FACULTY:  None

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

REPORT TO:  Dr. Zucker @ 9:00 am in room B2-300 CHS

PREREQUISITES:  None

AVAILABLE TO EXTERNALS:  Yes

STUDENTS / PERIOD:  max 3  min 0

DURATION:  3 weeks

2003 - 2004 ROTATIONS BEGIN WEEKS:
5, 8, 11, 14, 17, 22, 27, 30, 33, 36, 39, 42, 45

DESCRIPTION:  This course is designed to familiarize the student with basic Emergency Department Radiology Imaging in both trauma and non-trauma situations.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Major Blunt Trauma
2. Penetrating Trauma
3. Pneumonia
4. Heart Failure
5. Fractures
6. Dislocations
7. Bowel Obstruction
8. Bowel Perforation

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

CLOSE CONTACT WITH:
1:1 FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
1:1 RESIDENTS
INTERNS
X OTHER Medicine, Family Medicine, & Emergency Medicine Residents

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 1000

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 2100

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>9:00 - 11:30 am Film Radiology</td>
<td>9:00 - 11:30 am Film Radiology</td>
<td>9:00 - 11:30 a.m. Film Radiology</td>
<td>9:00 - 11:30 Film Radiology</td>
<td>8:00 - 9:00 a.m. Trauma Conference 9:00 - 9:30 a.m. Radiology Conference</td>
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<tr>
<td>PM</td>
<td>1:30 - 4:30 p.m. Film Reading</td>
<td>1:30 - 4:30 p.m. Film Reading</td>
<td>1:30 - 4:30 p.m. Film Reading</td>
<td>1:30 - 4:30 p.m. Film Reading</td>
<td>1:30 - 4:30 p.m. Film Reading</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
ABDOMINAL IMAGING CLERKSHIPS


COURSE CHAIR:  PHONE #:  Robert Cook, M.D.  (310) 668-4137

SUPPORTING FACULTY:  Drs. J. Jorgens, A. Lee, J. Owens, E. Suprenant

STUDENT COORDINATOR:  PHONE #:  Irene Rodriguez/Rochelle Pruitt  (310) 668-4701

REPORT TO:  Irene Rodriguez - King Drew Medical Center, Room 1E-21, 9:00 AM.

PREREQUISITES:  3rd Year Level in U.S. Medical School

AVAILABLE TO EXTERNALS:  No

STUDENTS / PERIOD:  max 1 min 1

DURATION:  2 weeks

2003-2004 ROTATIONS BEGIN WEEKS:  By Arrangement

DESCRIPTION:

COURSE OBJECTIVES (in order of importance)
1. To utilize the ultrasound and Computed Tomography Laboratories in an appropriate and cost-effective manner to solve common clinical problems.
2. To demonstrate knowledge of the two modalities by listing three circumstances in which computed tomography of the abdomen would be preferable to ultrasound.
3. To demonstrate knowledge of the two modalities by listing three circumstances in which ultrasound of the abdomen would be preferable to C.T.
4. To demonstrate the ability to identify the following normal structures: kidneys, pancreas, liver, gall bladder, spleen, aorta, inferior vena cava.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cholecystitis
2. Appendicitis
3. Renal trauma
4. Hepatic and splenic trauma
5. Pancreatitis
6. Abdominal masses
7. Ectopic pregnancies
8. Deep venous thrombosis

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 Technologists

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 250

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  250

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>PM</td>
<td>12:00 Diagnostic Conference</td>
<td>12:00 Diagnostic Conference</td>
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<td>1:30 Ultrasound</td>
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<td>4:00 Conference</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  Instead of a rotation that devotes approximately equal time in C.T. and ultrasound, the student may elect to devote his/her entire time to either of the above areas.
RA240.01 RADIATION ONCOLOGY

Advanced Clinical Clerkship Location: CHS

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

PHONE #: 

SUPPORTING FACULTY: Radiation Oncology Faculty

STUDENT COORDINATOR: Mel Fleetwood (310) 206-8783 E-MAIL: mfleetwood@mednet.ucla.edu

REPORT TO: Department Of Radiation Oncology 200 Medical Plaza, Suite B265, 8:00 AM.

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.

PREREQUISITES: None

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 2 weeks

2003-2004 ROTATIONS BEGIN WEEKS:
2,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51

DESCRIPTION: For 4 week course.

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

INPATIENT: 10%
OUTPATIENT: 90%
CONSULTATION: 100%
PRIMARY CARE: 0%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
X RESIDENTS
INTERNS
X OTHER Nurse, Social worker,
Physicists, Technologists,
Dosimetrists

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 65

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:00-9:00 New Patient Conference</td>
<td>8:00-12:00 Examination &amp; eval. of patients under treatment</td>
<td>8:00-9:00 New Patient Conference</td>
<td>8:00-9:00 New Patient Consultation &amp; Follow-Up Clinic</td>
<td>7:00-8:30 Physics/Radiobiology Lecture</td>
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<td>9:00-12:00 New Patient Consultation &amp; Follow-Up Clinic</td>
<td>9:00-12:00 New Patient Consultation &amp; Follow-Up Clinic</td>
<td>9:00-12:00 New Patient Consultation &amp; Follow-Up Clinic</td>
<td>9:00-12:00 New Patient Consultation &amp; Follow-Up Clinic</td>
<td>9:00-12:00 New Patient Consultation &amp; Follow-Up Clinic</td>
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<td></td>
<td>12:00-1:00 CNS Conference</td>
<td>12:00-1:00 CNS Conference</td>
<td>12:00-1:00 CNS Conference</td>
<td>12:00-1:00 CNS Conference</td>
<td>12:00-1:00 CNS Conference</td>
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<tr>
<td>PM</td>
<td>1:00-4:00 Examination &amp; evaluation of patients under treatment</td>
<td>2:00-4:00 New Patient Consultation &amp; Follow-Up Clinic</td>
<td>1:00-2:30 Joint Conference Head &amp; Neck Oncology</td>
<td>12:00-1:30 Chart Rd.</td>
<td>1:00-2:30 Physics/Radiobiology Lecture</td>
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<td>3:00-4:00 Joint Conference Head &amp; Neck Oncology</td>
<td>3:00-4:00 Joint Conference Head &amp; Neck Oncology</td>
<td>3:00-4:00 Joint Conference Head &amp; Neck Oncology</td>
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<td>3:00-4:00 Joint Conference Head &amp; Neck Oncology</td>
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<td>4:30-5:30 Musculoskeletal Conference</td>
<td>4:30-5:30 Musculoskeletal Conference</td>
<td>4:30-5:30 Musculoskeletal Conference</td>
<td>4:30-5:30 Musculoskeletal Conference</td>
<td>4:30-5:30 Musculoskeletal Conference</td>
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</table>

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.
COURSE CHAIR: Aroor R. Rao, M.D.  
PHONE #: (323) 783-7698

SUPPORTING FACULTY:  
Drs. A. Robert Kagan,, M. Tome, K. Holland,, K. Lodin, M. Ryoo, M. Miller,

STUDENT COORDINATOR: Clerkship Coordinator  
PHONE #: (323) 783-4711

REPORT TO: Kenneth Lodin, Center For Medical Education,  
4733 Sunset Blvd, 3rd Floor at 8:30a.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" after June 2, 2003)

2003-2004 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 a 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.
2. Provide an introduction to fundamentals of cancer management with radiation therapy.
4. Give presentation at the end of course.

STUDENT EXPERIENCES

1. Carcinoma
2. Lymphoma
3. Carcinoma of rectum
4. Prostate carcinoma
5. Sarcoma
6. Childhood cancer
7. 

COMMON PROBLEMS/DISEASES

<table>
<thead>
<tr>
<th>INPATIENT</th>
<th>OUTPATIENT</th>
<th>CONSULTATION</th>
<th>PRIMARY CARE</th>
</tr>
</thead>
</table>

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 25

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 800

TYPICAL WEEKLY SCHEDULE

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</table>
| AM   | Combined Head & Neck Cancer Followup Clinic  
Treatment, Consults, Simulation  
Cancer Comm. Dept. Conference  
Radiosurgery Clinic  
Pediatric Clinic Consult, Treatment, Simulation  
Consult, Simulation  
Treatment, Brachytherapy  
Radiosurgery  
Dept. Conference  
Patient/Consult, Treatment  
Rectal Clinic  
Gyn-Oncology RT Followup Clinic  
Head/Neck Clinic  
Consult, Simulation, Treatment |
| PM   | Head & Neck Cancer Clinic Consultation  
Treatment Consults Simulation  
Combined Gyn-Oncology/RT Clinic  
Brachytherapy  
Treatment Consults Simulation  
Breast Cancer Clinic  
Consult, Treatment, Simulation  
Consult, Treatment, Simulation  
Consult, Treatment, Simulation  
Consult, Treatment, Simulation  
Physics Biology Lectures |

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
**COURSE OBJECTIVES (in order of importance)**

1. Introduction to diagnosis of x-ray examinations at the viewbox.
2. Develop an understanding of indications, contraindications, and cost effectiveness for common radiographic examinations.
3. Expansion of medical and radiologic knowledge by exposure to departmental didactic and case conferences.
4. Know how to use a radiologist as a consultant.

**DESCRIPTION:**

While the emphasis is on introduction to diagnosis at the clinical workstation, the student will participate in all educational activities such as lectures and conferences. Students will rotate through sub-specialty areas at one week intervals or for two or three week blocks in Abdominal, Emergency,* Head & Neck, Musculoskeletal, Neuroradiology, Nuclear Medicine, Pediatric* and Thoracic imaging. *These disciplines have separate three-week block electives for those looking for a longer, focused exposure.

**STUDENT EXPERIENCES**

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT: 70%</th>
<th>OUTPATIENT: 30%</th>
<th>CONSULTATION: NA%</th>
<th>PRIMARY CARE: NA%</th>
<th>CLOSE CONTACT WITH:</th>
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<tbody>
<tr>
<td>1. Neuroradiologic</td>
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<td>X FULL TIME FACULTY</td>
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<td>2. Genitourinary</td>
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<td>X CLINICAL FACULTY</td>
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<td>3. Musculoskeletal</td>
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<td>X FELLOWS</td>
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<td>4. Pediatric</td>
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<td>X RESIDENTS</td>
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<td>5. E R</td>
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<td>OTHER</td>
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<td>6. Thoracic</td>
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<td>7. Gastrointestinal</td>
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**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 125

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 12500

**TYPICAL WEEKLY SCHEDULE**

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<td>Review of Morning Cases</td>
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<td>Readout of Morning Cases</td>
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**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:**

**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)
RA250.02 DIAGNOSTIC RADIOLOGY

Advanced Clinical Clerkship Location: OVH

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

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

STUDENT COORDINATOR: Lillie Francisco PHONE #: (818) 364-4566
E-MAIL: lfrancisco@dhs.co.la.ca.us FAX: (818) 364-3672

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

PREREQUISITES: Basic Required Clerkships

AVAILABLE TO EXTERNS: Yes

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Acute & chronic pulmonary disease
2. Gastrointestinal tract abnormalities
3. Cancer
4. Tuberculosis
5. Hepatobiliary disease
6. Cardiovascular disorders
7. Neuroradiology
8. Urinary disorders

INPATIENT: 40% OUTPATIENT: 60% CONSULTATION: 100%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: NA

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 9,000

TYPICAL WEEKLY SCHEDULE

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<td>Film Interpretation</td>
<td>Nuclear Medicine</td>
<td>Chest/GI Conferences</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:

2003-2004 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

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 weeks

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 9,000

TYPICAL WEEKLY SCHEDULE

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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Advanced Clinical Clerkship

COURSE CHAIR:
Susan Rice, M.D
(310) 222-2851

SUPPORTING FACULTY:
Drs. Diament, Fischer, Khalkhali, Mehringer, Mishkin, Morrow, Phillips, Renso, Walot, Soto, Vasinrapee and Zimmerman

STUDENT COORDINATOR:
Mrs. Linda Tessco
(310) 222-2851
Margaret Hardy
(310) 222-5688
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 EXTERNALS: Yes

STUDENTS / PERIOD: max 10 min 1

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS: 10, 14, 18, 31, 35

DESCRIPTION:
During the first two weeks of the elective, the student will attend and participate in conferences which cover the various areas in imaging, i.e., chest, GI/GU, pediatric, 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. Students are required to attend the lectures/conferences which are provided by our Radiology staff which cover the different areas in imaging.

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. Thoracic: inflam (pneumonia, TB), primary & metastatic cancer, pneumothorax/effusion, inhalational, COPD
6. GI: obstruction, GI tract cancer, inflammatory conditions (appendicies, colits, diverticulitis

INPATIENT: 40%
OUTPATIENT: 20%
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 MONTH/STUDENT: NA

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 7500

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>9:00 – 11:00 Learning Lab</td>
<td>8:30 – 11:00 Angio or Body Imaging, CT &amp; UTS</td>
<td>9:00 – 11:00 Nuclear Medicine or UTS</td>
<td>9:00 – 11:00 Radiation Therapy or Learning Lab</td>
<td>9:00 – 11:00 Neuro</td>
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<tr>
<td>PM</td>
<td>1:00 – 4:00 Bone or Pediatrics</td>
<td>1:00 – 4:00 CT/MRI or GI/GU</td>
<td>1:00 – 4:00 Chest</td>
<td>1:00 – 4:00 Interventional</td>
<td>1:00 – 4:00 Learning Lab</td>
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</table>

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 while on the elective, and what they learned.
COURSE OBJECTIVES (in order of importance)
Upon completion of the course, the student will be able to:

1. Use the resources of the Radiology Department in an appropriate and cost-effective way to solve certain common clinical problems.
2. Correlate Roentgen Anatomy and Pathology with that previously learned in basic science courses.
3. Describe in brief the generation of Diagnostic X-Ray and its effect on living tissue.
4. List some of the newer modalities of Diagnostic Imaging which may have a long-term impact on the field of Radiology.

DESCRIPTION:
This elective stresses the use of Diagnostic Imaging to solve common clinical problems. The student may select a General Radiology Experience or may concentrate in a subspecialty area. Instruction is by combination of one-on-one teaching at the x-ray view box, formal classroom instruction and the Learning Lab.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Pneumonia
2. Congestive heart failure
3. Acute Appendicitis
4. Bowel obstruction
5. Common fractures of extremities
6. Head Trauma
7. Urinary tract infection
8.

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

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: NA
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: NA

TYPICAL WEEKLY SCHEDULE

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<td>AM</td>
<td>8:45 Emergency Radiology</td>
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<td>10:00 Pediatric Radiology</td>
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<td>PM</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Instead of a rotation in the general field of Diagnostic Radiology, the student may elect to concentrate in one of the sub-specialty areas offered by the department. *Wong, Vasinrapee
Advanced Clinical Clerkship
Location: KDMC

COURSE CHAIR: Joseph Jorgens, M.D.,Ph.D.  (310) 668-4702


STUDENT COORDINATOR: Irene Rodriguez  (310) 668-4702

REPORT TO: IE 21

PREREQUISITES: None

AVAILABLE TO EXTERNALS: No

STUDENTS / PERIOD: max  3 min 1

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS: By Arrangement

DESCRIPTION: This course is intended to teach film interpretation at the viewing box in a one-on-one setting.

COURSE OBJECTIVES (in order of importance)
1. To teach the medical school student radiological interpretation so that his future medical experience in some type of Residency will be less difficult.
2. To teach the medical student how to scan an x-ray film for the key diagnostic x-ray findings.
3. To teach the medical student how one uses these key findings to arrive at the most likely diagnosis.
4. To teach the logical follow up diagnostic x-ray methods used in order to arrive at a specific pathological diagnosis in each problem.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Pneumonias
2. Gun shots wounds, stabblings
3. Congestive heart disease
4. Acute liver, pancreas
5. Gastrointestinal, respiratory, genitourinary
6. Neuromuscular diseases
7. Intensive care lungs
8. Fractures

INPATIENT: 15%
OUTPATIENT: 85%
CONSULTATION: N/A%
PRIMARY CARE: N/A%
CLOSE CONTACT WITH: 3 FULL TIME FACULTY CLINICAL FACULTY FELLOWS 25 RESIDENTS 10 INTERNS OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 125
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 12,000

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:00 Teaching Film Interpretation at Viewing Box (one on one)</td>
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<td>11:00 Lecture on How to Interpret Chest</td>
<td>11:00 Lecture on Abdomen</td>
<td>11:00 Lecture on Bone</td>
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<td>11:00 Lecture on spine</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
COURSE CHAIR: Anh Au, M.D.  
PHONE #: (818) 364-4803

SUPPORTING FACULTY: Richard Masson

STUDENT COORDINATOR: Lillie Francisco  
PHONE #: (818) 364-4566

REPORT TO: Lillie Francisco, Room 2D131 @ 9:00 am

PREREQUISITES:

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 2 weeks

2003-2004 ROTATIONS BEGIN WEEKS: By Arrangement

COURSE OBJECTIVES (in order of importance)
1. To familiarize the medical student with neuroanatomy and neuropathology, including the brain, spine, head & neck.
2. Knowledge of embryology and pathophysiology of different CNS disorders.
3. Differential diagnosis of CNS lesions using imaging modalities and clinical laboratory findings.

DESCRIPTION: The student will share responsibility with a resident or occasionally a fellow in the Neuroradiology/MRI reading section. Approximately 15 brain or spine and neck CT scans and 10 MRIs will be evaluated per day with in-depth discussion of neuroanatomy and neuropathology. Differential diagnosis will be discussed and clinical correlation and laboratory findings will be used to reach a diagnosis. There is a variety of usual and unusual advanced pathology from trauma, tumors, infarcts, infection, etc.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Trauma
2. Tumor
3. Infarct
4. Infection
5. 
6. 
7. 
8. 

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
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 480

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 480

TYPICAL WEEKLY SCHEDULE

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<td>International Neuro--radiology---------</td>
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<td>PM</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: *Per request, as time allows.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE CHAIR: Reza Jahan, M.D.  
PHONE #: (310) 206-1527

SUPPORTING FACULTY:
Drs. G. Duckwiler, P. Gobin, G. Guglielmi, and F. Vinuela

STUDENT COORDINATOR: Tracy Aden  
PHONE #: (310) 825-1380  
E-MAIL: taden@mednet.ucla.edu

REPORT TO: Dr. Reza Jahan  
B2-188 CHS @ 8:00 A.M.

PREREQUISITES: Radiology or equivalent. Recommended: Neurology and/or Surgery I

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 (2 by arrangement) weeks

2003-2004 ROTATIONS BEGIN WEEKS:
2,5,8,11,14,17,20,27,30,33,36,39,42,45,48

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.

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  
X CLINICAL FACULTY  
X FELLOWS  
X RESIDENTS  
X INTERNS  
X OTHER Nurses & Radiologic Technologist

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 50

TYPICAL WEEKLY SCHEDULE

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<td>PM</td>
<td>12:00 - 1:00 Noon Conference</td>
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<td>1:00 - 5:00 Procedure/Consult</td>
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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.

DESCRIPTION: This elective is intended to provide the student with a more in-depth exposure to nuclear medicine than acquired during the required diagnostic radiology clerkship. The student will work with residents and faculty members performing and interpreting diagnostic studies and will also have the opportunity to observe or participate in ongoing clinical and basic science research projects.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Cardiovascular
2. Neurological
3. Orthopedic
4. Endocrine
5. Gastroenterology
6. Organ transplant
7. Infectious disease
8. Oncology

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 Basic scientists and graduate students

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: VAR
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 600

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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<tr>
<td>AM</td>
<td>7:00 - 8:00 Morning Radiology Lecture</td>
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<td>8:30 - 9:30 Cardiac PET Conf.</td>
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<td>8:00 - 9:00 Case Conference</td>
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<td>PM</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>
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<td>2:00 - 3:00 Out-Patient Case Read Out</td>
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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.