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.

DESCRIPTON: 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%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: NA
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 9000

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>Radiology/Internal Medicine/Pediatrics/Surgical Rounds</td>
<td>Rounds</td>
<td>Rounds</td>
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<tr>
<td></td>
<td>Film Reading, E.R.</td>
<td>Film Reading, E.R.</td>
<td>Film Reading, E.R.</td>
<td>Film Reading, E.R.</td>
<td>Film Reading, E.R.</td>
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<tr>
<td></td>
<td>Medicine Noon Conference</td>
<td>Medicine Noon Conference</td>
<td>Medicine Noon Conference</td>
<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>
</tr>
<tr>
<td></td>
<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>Film Reading/Teaching File</td>
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<td>Film Reading/Teaching File</td>
<td>Film Reading/Teaching File</td>
<td>Film Reading/Teaching File</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.
RA220.02  BASIC EMERGENCY IMAGING


COURSE CHAIR:  Drs. Eisenman & Jorgens  PHONE #: (310) 668-4702


STUDENT COORDINATOR: Irene Rodriguez/Rochelle Pruitt  PHONE #: (310) 668-4702

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

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

AVAILABLE TO EXTERNALS:  No

STUDENTS / PERIOD:  max 6 min 2

DURATION:  3 weeks

2001-2002 ELECTIVES 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%
CONSULTATION:  50%

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

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>7:00-8:00 Radiology Trauma Conf. 8:00-9:30 Emergency Radiology Film Review 9:30-10:30 Abdomen Film Review 10:30-11:30 Review Chest Films</td>
<td>7:00-8:00 Radiology Trauma Conf. 8:00-9:30 Emergency Radiology Film Review 9:30-10:30 CT (Neuro) Film Review 10:30-11:30 Review Chest Films</td>
<td>7:00-8:00 Radiology Trauma Conf. 8:00-9:30 Emergency Radiology Film Review 9:30-10:30 Pediatric Film Review 10:30-11:30 Review Chest Films</td>
<td>7:00-8:00 Radiology Trauma Conf. 8:00-9:30 Emergency Radiology Film Review 9:30-10:30 Chest Film Review 10:30-11:30 Review Chest Films</td>
<td>7:00-8:00 Radiology Trauma Conf. 8:00-9:30 Emergency Radiology Film Review 9:30-10:30 Chest Film Review 10:30-11:30 Review Chest Films</td>
</tr>
<tr>
<td>PM</td>
<td>12:00-1:00 Noon Conference 3:00-5:00 Learning Lab</td>
<td>12:00-1:00 Noon Conference 3:00-5:00 Body CT Film Review</td>
<td>12:00-1:00 Noon Conference 3:00-5:00 Nuclear Medicine Film Review</td>
<td>12:00-1:00 Noon Conference 3:00-5:00 Ultrasound Film Review</td>
<td>12:00-1:00 Noon Conference 3:00-5:00 Learning Lab</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
RA230.01  ABDOMINAL IMAGING CLERKSHIPS

Advanced Clinical Clerkship  Location:  KDMC  2001-2002
3/9/2001

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

SUPPORTING FACULTY:
Drs. A. Duffis, 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 EXTERNS:  No

STUDENTS / PERIOD:  max 1  min 1

DURATION:  2 weeks

2001-2002 ELECTIVES 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%

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>AM</td>
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<tr>
<td>PM</td>
<td>12:00 Diagnostic Conference</td>
<td>12:00 Diagnostic Conference</td>
<td>12:00 Diagnostic Conference</td>
<td>12:00 Diagnostic Conference</td>
<td>12:00 Diagnostic Conference</td>
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<tr>
<td></td>
<td>1:30 Ultrasound</td>
<td>1:30 Ultrasound</td>
<td>1:30 Ultrasound</td>
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<td>4:00 Conference</td>
<td>4:00 Conference</td>
<td>4:00 Conference</td>
<td>4:00 Conference</td>
<td>4:00 Conference</td>
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</tbody>
</table>

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

**SUPPORTING FACULTY:**  
Radiation Oncology Faculty

**STUDENT COORDINATOR:**  
Garth Poorman  
PHONE #:  
(310) 206-6133

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

**PREREQUISITES:**  
None

**AVAILABLE TO EXTERN:**  
Yes

**STUDENTS / PERIOD:**  
max 2 min 1

**DURATION:**  
2 weeks

**2001-2002 ELECTIVES BEGIN WEEKS:**  
1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49

**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

**DESCRIPTION:**  
For 4 week course.

### STUDENT EXPERIENCES

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT: 10%</th>
<th>OUTPATIENT: 90%</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Breast cancer</td>
<td></td>
<td></td>
<td>X FULL TIME FACULTY</td>
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<tr>
<td>2. Lung cancer</td>
<td></td>
<td></td>
<td>CLINICAL FACULTY</td>
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<tr>
<td>3. Brain tumors</td>
<td></td>
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<td>FELLOWS</td>
</tr>
<tr>
<td>4. Head &amp; neck cancer</td>
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<td></td>
<td>RESIDENTS</td>
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<tr>
<td>5. Soft tissue sarcomas</td>
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<td></td>
<td>INTERNS</td>
</tr>
<tr>
<td>6. Prostate cancer</td>
<td></td>
<td></td>
<td>OTHER Nurse, Social worker, Physicists, Technologists,</td>
</tr>
<tr>
<td>7. Lymphoma/leukemia</td>
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</tbody>
</table>

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:**  
10

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:**  
65

### 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>
</table>
| AM   | 8:00 - 9:00 New Patient Conference  
9:00 - 12:00 New patient consultation and follow-up clinic  
12:00 - 1:00 Gyn Conference | 8:00 - 9:00 New Patient Conference  
9:00 - 12:00 Examination & eval. of patients under treatment | 8:00 - 9:00 New Patient Conference  
9:00 - 11:00 New Patient Consultation & Follow-Up Clinic  
11:00 - 12:00 CNS Conference | 8:00 – 9:00 New Patient Conf.  
9:00 -12:00 New Patient Consultation & Follow-Up Clinic | 7:00 - 8:30 Physics/Radiobiology Lecture  
9:00 - 12:00 New Patient Consultation & Follow-Up Clinic |
| PM   | 1:00 - 4:00 Examination & evaluation of patients under treatment | 2:00 - 4:00 New Patient Consultation & Follow-Up Clinic | 1:00 - 2:30 Joint Conference  
Head & Neck Oncology  
1:00 - 5:00 CNS Multidisciplinary Clinic | 12:00 - 1:30 Chart Rd.  
1:00 - 4:00 New Patient Consultation & Follow-Up Clinic  
4:30 Musculoskeletal Conference | 1:00 - 2:30 Physics/Radiobiology Lecture  
2:30 - 4:00 Journal Club |

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:**  
None

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:**  
Although the clerkship is for 2 weeks, 4 week electives will be considered.
COURSE CHAIR: Aroor R. Rao, M.D. (323) 783-7698

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

STUDENT COORDINATOR: Erika Marmolejo (323) 783-1430

REPORT TO: Aroor R. Rao, M.D., 4950 Sunset, Building L, at 8:30 a.m.

PREREQUISITES: Medicine, OB/GYN, and Surgery

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 weeks

2001-2002 ELECTIVES BEGIN WEEKS:
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.

STUDENT EXPERIENCES

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

INPATIENT: 0%
OUTPATIENT: 100%
CONSULTATION: 100%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 25
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 800

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>Combined Head &amp; Neck Cancer Followup Clinic</td>
<td>Cancer Comm. Meeting Dept. Conference</td>
<td>Radiation Planning Rounds</td>
<td>A.M. Dept. Staff Conference</td>
<td>Gyn-Oncology RT Followup Clinic</td>
</tr>
<tr>
<td></td>
<td>Head &amp; Neck Cancer Clinic Consultation</td>
<td>Combined Gyn-Oncology/RT Clinic</td>
<td>Breast Cancer Clinic</td>
<td>Combined Rectal Clinic</td>
<td>Patient Consultation with Staff</td>
</tr>
</tbody>
</table>

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 emphasis is on introduction to diagnosis at the viewbox, the student will participate in all educational activities such as lectures and conferences. Students also will rotate through subspecialty areas at one week intervals such as, Emergency, Gastrointestinal, Genitourinary, Musculoskeletal, Neuroradiology, Nuclear Medicine, Pediatrics, Thoracic Imaging, Ultrasound.

STUDENT EXPERIENCES

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

CLOSE CONTACT WITH:

X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 125
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 12500

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>7:00 Morning Lecture</td>
<td>7:00 Morning Lecture</td>
<td>7:00 Morning Lecture</td>
<td>7:00 Morning Lecture</td>
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<td>8:00 Review of Morning Cases</td>
<td>8:00 Review of Morning Cases</td>
<td>8:00 Review of Morning Cases</td>
<td>8:00 Review of Morning Cases</td>
<td>8:00 Review of Morning Cases</td>
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<tr>
<td></td>
<td>10:00 Readout of Morning Cases</td>
<td>10:00 Readout of Morning Cases</td>
<td>10:00 Readout of Morning Cases</td>
<td>10:00 Readout of Morning Cases</td>
<td>10:00 Readout of Morning Cases</td>
</tr>
<tr>
<td>PM</td>
<td>12:00 Noon Conference</td>
<td>12:00 Noon Conference</td>
<td>12:00 Noon Conference</td>
<td>12:00 Noon Conference</td>
<td>3:00 Readout of PM Cases</td>
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<td>1:00 Review of PM Cases</td>
<td>1:00 Review of PM Cases</td>
<td>1:00 Review of PM Cases</td>
<td>1:00 Review of PM Cases</td>
<td>3:00 Readout of PM Cases</td>
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<td>3:00 Readout of PM Cases</td>
<td>3:00 Readout of PM Cases</td>
<td>3:00 Readout of PM Cases</td>
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</table>

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Required Attendance: Departmental Conferences
1. Radiology Morning Lectures for Residents (Dowdy Classroom) 7:00-8:00 a.m., daily. 2. Noon Case Conferences (Dowdy Classroom) 12:00-1:00 p.m., Monday - Thursday.
COURSE CHAIR: Karl Falkenbach, M.D.  
PHONE #: (818) 364-4097

SUPPORTING FACULTY: Drs. A. Au, K. Falkenbach, G. Hansen, F. Kioumehr, L. Petrus,

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

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

COURSE OBJECTIVES (in order of importance)
1. To review medical sciences by way of radiology.
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.

PREREQUISITES: Basic Required Clerkships

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 weeks

2001-2002 ELECTIVES 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.

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

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

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
FELLOWS
X 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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<tbody>
<tr>
<td>AM</td>
<td>Radiology/Internal Med/ Pediatric Rounds</td>
<td>Neuroradiology Conference</td>
<td>Learning Lab</td>
<td>Medicine Noon Conference</td>
<td>Medicine Noon Conference</td>
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<td></td>
<td>Fluoroscopy Medicine Noon Conference</td>
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<td>PM</td>
<td>Radiology Noon Conference</td>
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<tr>
<td></td>
<td>Film Interpretation</td>
<td>Film Interpretation</td>
<td>Chest/GI Conferences</td>
<td>Tumor Board</td>
<td>12:00 Morbid &amp; Mortality Conf. (2nd Friday of every mo.)</td>
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<td>Film Interpretation</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

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

1. General knowledge of both diagnostic and interventional therapeutic radiological procedures
2. Knowledge of proper sequence of procedures to evaluate specific clinical problems
3. Limitations of the radiologist without participation of the clinical team
4. Major complications of radiological procedures
5. Synthesis of radiological findings with clinical information
6. Cost effectiveness

### DESCRIPTION:
During the first two weeks of the scheduled rotations, conferences will be provided for the students, covering the different areas in Radiology, e.g. Chest, GI, Pediatric, Bone, Neuroradiology, Ultrasound, CT/MRI, and Nuclear Medicine. The third week is unstructured. Students are encouraged to attend conference for Radiology residents. A teaching file of plain film radiology (CXR, abdomen, bone) and GI/GU studies is available for student use. Students may also attend read-out sessions in the different areas in Radiology and may observe radiologic and interventional procedures. There is no on call or weekend responsibility.

### TYPICAL WEEKLY CONFERENCE FOR RADIOLOGY RESIDENTS

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>7:30 Cardiac</td>
<td>7:30 Nuclear Medicine</td>
<td>7:30 Pediatrics</td>
<td>7:30 Body Imaging</td>
<td>8:00 Neuroradiology.</td>
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<td></td>
<td>12:00 Physics</td>
<td>9:30 Vascular Conference</td>
<td>11:00 Bone (Forrester)</td>
<td>12:00 Chest</td>
<td>12:00 Special Procedures</td>
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<tr>
<td>PM</td>
<td>5:00 Neuroradiology (Pribram)</td>
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### ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
During the specialized radiology experience, the student may attend read-out sessions, observe radiologic and interventional procedures, make use of the teaching file, and attend conferences for Radiology residents. No dedicated medical student conferences will be provided. Attending approval may be necessary if a student wishes to concentrate his/her time in a particular area in Radiology.
COURSE CHAIR:  
Theodore Q. Miller, M.D.  
PHONE#: (310) 668-4701

SUPPORTING FACULTY:  

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

REPORT TO:  
Irene Rodríguez, Main Radiology, Room 1E-21.

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

AVAILABLE TO EXTERNS:  
No

STUDENTS / PERIOD:  
max 4 min 1

DURATION:  
2 to 6 weeks

2001-2002 ELECTIVES BEGIN WEEKS:  
By Arrangement

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

INPATIENT:  
50%

OUTPATIENT:  
50%

CONSULTATION:  
100%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X FELLOWS
X RESIDENTS
INTERNS
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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<tr>
<td>PM</td>
<td>12:00 Conference</td>
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<td></td>
<td>1:30 Inpatient Radiology</td>
<td>1:30 GU Radiology</td>
<td>1:30 Inpatient Radiology</td>
<td>1:30 GI Radiology</td>
<td>1:30 Inpatient Radiology</td>
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<td>3:00 Teaching File</td>
<td>3:00 Teaching File</td>
<td>3:00 Teaching File Conference</td>
<td>3:00 Teaching File</td>
<td>3:00 Teaching File Conference</td>
</tr>
</tbody>
</table>

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-speciality areas offered by the department.  
*Wong, Vasinrapee
RA250.05  DIAGNOSTIC IMAGING OF THE CHEST

Advanced Clinical Clerkship  Location: KDMC  2001-2002

COURSE CHAIR  PHONE #:  COURSE OBJECTIVES (in order of importance)
Janis Owens, M.D  (310) 668-4701  1. To demonstrate knowledge of how to use Diagnostic
SUPPORTING FACULTY:  Imaging of the chest in an appropriate and cost effective
Drs. T. Miller & V. Payne  manner.

STUDENT COORDINATOR:  PHONE #:  2. To demonstrate basic knowledge of the radiographic
Irene Rodriguez/Rochelle Pruitt  (310) 668-4701  anatomy of the chest on plain films, computerized
tomography, radionuclide scans, and magnetic resonance
images.

REPORT TO:  3. To develop ability to identify pulmonary edema,
Main Building 1E, 8:00 AM. pneumonia, malignancy, sarcoidosis, and tuberculosis on

PREREQUISITES:  None  radiographic examinations.

AVAILABLE TO EXTERNALS:  No  4. To correlate radiographic abnormalities with clinical

STUDENTS / PERIOD:  max 4 min 1  pathology.

DURATION: 2 weeks

2001-2002 ELECTIVES BEGIN WEEKS:  By Arrangement

DESCRIPTION:  This course is designed to allow students to become familiar with chest imaging and to learn how to more effectively use these resources in diagnosis of disease processes.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES  INPATIENT: 50%  CLOSE CONTACT WITH:
1. Pulmonary Edema/ARDS  OUTPATIENT: 50%  X FULL TIME FACULTY
2. Pneumonia  CONSULTATION: 100%  X CLINICAL FACULTY
3. Pulmonary Malignancy  X FELLOWS
4. Sarcoid  X RESIDENTS
5. Tuberculosis  X INTERNS
6. Congenital Lung Disorders  OTHER
7. 

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 100
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 400

TYPICAL WEEKLY SCHEDULE

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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
Advanced Clinical Clerkship  
Location: KDMC  

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

SUPPORTING FACULTY:  
Drs. R Cook, A. Duffis, J. Gaspar, A. Lee, J. Owens, V. Payne, J. Sun, E. Surprenant,  

STUDENT COORDINATOR:  
Irene Rodriguez  
PHONE #:  
(310) 668-4702  

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.  

PREREQUISITES:  
None  

AVAILABLE TO EXTERNALS:  
No  

STUDENTS / PERIOD:  
max 3 min 1  

DURATION:  
3 weeks  

2001-2002 ELECTIVES BEGIN WEEKS:  
By Arrangement  

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

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  

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  

INPATIENT:  
15%  
OUTPATIENT:  
85%  

CONSULTATION:  
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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<tbody>
<tr>
<td>AM</td>
<td>8:00 Teaching Film Interpretation at Viewing Box (one on one)</td>
<td>8:00 Teaching Film Interpretation at Viewing Box (one on one)</td>
<td>8:00 Teaching Film Interpretation at Viewing Box (one on one)</td>
<td>8:00 Teaching Film Interpretation at Viewing Box (one on one)</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>
<td>11:00 Lecture on skull</td>
<td>11:00 Lecture on spine</td>
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<td>11:30 Lunch</td>
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<td>PM</td>
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<td>1:00 Learning Lab</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  
None  

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  
None
IMAGING DIAGNOSIS OF NEUROLOGIC DISORDERS

Advanced Clinical Clerkship

Location: OVH

2001-2002
3/9/2001

COURSE CHAIR:
Farhad Kioumehr, M.D.
(818) 364-4081

PHONE #:

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.

SUPPORTING FACULTY:
Richard Masson

STUDENT COORDINATOR:
Lillie Francisco
(818) 364-4566

PHONE #:

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

AVAILABLE TO EXTERNALS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 2 weeks

2001-2002 ELECTIVES BEGIN WEEKS:
By Arrangement

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

INPATIENT: 50%
OUTPATIENT: 50%
CONSULTATION: 100%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
X FELLOWS
X RESIDENTS
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>*Cerebral Angiography-------</td>
<td>Myelography--------</td>
<td>International Neuro--</td>
<td>radiology--------</td>
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<td>Neurology/Neuro-Surgery, Neuroradiology Correlative Conference</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: *Per request, available for emergencies. Conference (monthly)

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
RA262.02  INTERVENTIONAL NEURORADIOLOGY


COURSE CHAIR:  PHONE #:  COURSE OBJECTIVES (in order of importance)
Reza Jahan, M.D.  (310) 206-1527  1.  Introduction to diagnosis and intervention in
SUPPORTING FACULTY:  Neuroradiology.
Drs. G. Duckwiler, P. Gobin, G. Guglielmi, and F. Vinuela
STUDENT COORDINATOR:  PHONE #:  2.  Knowledge of specific Neurovascular disease processes:
Tracy Aden  (310) 825-1380  Arteriovenous Malformations, Aneurysms, Fistula.
REPORT TO:  Dr. Reza Jahan  3.  Knowledge of Neurovascular physiology/anatomy.
B2-188 CHS @ 8:00 A.M.  4.  Medical judgment; understand appropriateness criteria for
PREREQUISITES:  endovascular versus neurosurgical treatments.
Radiology or equivalent. Recommended:
Neurology and/or Surgery I  5.  Interpretation skills in Neuro, CT, MRI, Angiography.
AVAILABLE TO EXTERNALS:  Yes  6.  Medical record keeping.
STUDENTS / PERIOD:  max 3 min 1  7.  Improve skills of doctor/patient relationships.
DURATION:  3 (2 by arrangement) weeks
2001-2002 ELECTIVES BEGIN WEEKS:
1,5,8,11,14,17,20,27,30,33,36,39,42,45,48
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 Interventional fellow and faculty.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES  INPATIENT:  80%  CLOSE CONTACT WITH:
1.  Arteriovenous malformations  OUTPATIENT:  20%  X  FULL TIME FACULTY
2.  Aneurysms  CONSULTATION:  100%  CLINICAL FACULTY
3.  Arteriovenous fistula  X  FELLOWS
4.  Stroke  X  RESIDENTS
5.  Tumors  INTERNS
6.  Stroke
7.  Tumors
8.  Other
9.  Tumors
CLOSE CONTACT WITH:
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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<tr>
<td>AM</td>
<td>7:00 - 8:00 Morning Lecture</td>
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<td>8:00 - 9:00 Rounds</td>
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<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>
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<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>1:00 - 5:00 Procedure/Consult</td>
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<td>1:00 - 5:00 Procedure/Consult</td>
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</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

COMMON PROBLEMS/DISEASES

1. Cardiovascular
2. Neurological
3. Orthopedic
4. Endocrine
5. Gastroenterology
6. Organ transplant
7. Infectious disease

INPATIENT: 50%
OUTPATIENT: 50%
CONSULTATION: 100%

CLOSE CONTACT WITH:

X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
INTERNS
X OTHER Basic scientists and graduate

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

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>7:00 - 8:00</td>
<td>Morning Radiology Lecture</td>
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<td>Morning Radiology Lecture</td>
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<td>8:30 - 9:30</td>
<td>Cardiac PET Conf.</td>
<td>8:30 - 9:30</td>
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<td>PM</td>
<td>12:00 - 1:00</td>
<td>Radiology Noon Conf.</td>
<td>12:00 - 1:00</td>
<td>Radiology Noon Conf.</td>
<td>12:00 - 1:00</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>
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<td>2:00 - 3:00 Out-Patient Case</td>
<td>2:00 - 3:00 Out-Patient Case</td>
<td>2:00 - 3:00 Out-Patient Case</td>
<td>2:00 - 3:00 Out-Patient Case</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES

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.