COURSE CHAIR: Randolph Steadman, M.D. (310) 267-2114

SUPPORTING FACULTY:

STUDENT COORDINATOR: Yue Ming Huang (310) 267-2114
E-MAIL: yhuang@mednet.ucla.edu

REPORT TO: Dr. Steadman, Bloor Conference Room (BH-509B CHS) @ 8:00 a.m.

PREREQUISITES: Inpatient Internal Medicine and Surgery

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 20 min 12

DURATION: 1 weeks

2003-2004 ROTATIONS BEGIN WEEKS: 36

DESCRIPTION: This week-long course consists of three days of background material, (see course schedule), followed by a two-day ACLS provider course. Students that successfully pass all the ACLS stations and "mega-code" will receive ACLS certification. ACLS Provider Manual is the required textbook for this course. Published by: American Heart Association 2001, Editor; Richard O. Cummins, MD, MPH, MSc.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cardiac Arrest
2. Respiratory Arrest
3. Cardiac Arrhythmia's
4. Chest Pain
5. Stroke
6.
7.
8.

INPATIENT: N/A
OUTPATIENT: N/A
CONSULTATION: N/A
PRIMARY CARE: N/A
CLOSE CONTACT WITH:
FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
OTHER

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

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>Orientation Daily group demo Pharmacology review Airway Management</td>
<td>Daily group demo Algorithm review</td>
<td>Daily group demo ECG review Coronary syndromes and stroke</td>
<td>Daily group demo Special situations/peds Group megacode practice</td>
<td>ACLS testing stations: written test and megacode</td>
</tr>
<tr>
<td>PM</td>
<td>Airway management stations Rhythm recognition/Rx BLS testing</td>
<td>Algorithm practice stations</td>
<td>Algorithm testing stations</td>
<td>Review and evaluation</td>
<td></td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
QUALITY MANAGEMENT IN A HEALTH FACILITY

COURSE CHAIR: Tony Greenberg, M.D.  PHONE #: (310) 222-2168

SUPPORTING FACULTY: Susan Black, R.N., M.S., Quality Assessment/Resource Management

STUDENT COORDINATOR: Mele Lei-Sam  PHONE #: (310) 222-2168  FAX: (310) 320-3084

REPORT TO: Tony Greenberg, M.D., Harbor-UCLA Medical Center, 1000 W. Carson St. N-25.

PREREQUISITES: None

AVAILABLE TO EXTERNALS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

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

COURSE OBJECTIVES (in order of importance)
1. Knowledge of basic components of quality management programs.
2. Understanding the benefit of a cooperative relationship between administrative and medical staff leaders.
3. Understanding the impact of the individual physician and the healthcare system on the quality of patient care.
4. Knowledge of the use of clinical data related to quality of patient care, including its limitations.
5. Understanding of methods for performing and reporting peer review in a medical staff organization.
7. Knowledge of the role and functions of process action teams.
8. Understanding clinical claims management in medical malpractice.
9. Experience in developing a clinical practice guidelines or algorithm.

DESCRIPTION: The student will participate directly in several components of the quality management program at Harbor-UCLA Medical Center, including peer review meetings, process action teams, professional staff committee meetings, development of clinical practice guidelines and resource management review activities. The student will be encouraged to work on a special project related to a current quality imp. issue.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
N/A

INPATIENT: N/A  OUTPATIENT: N/A

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>Committee Meetings</td>
<td>Process Action Teams</td>
<td>Committee Meetings</td>
<td>Risk Management</td>
<td>Morbidity &amp; Mortality</td>
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<td>Morbidity &amp; Mortality</td>
<td></td>
<td>Conference</td>
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<td></td>
<td>Conference</td>
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<td>Resource Management</td>
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<td></td>
<td>Review</td>
</tr>
<tr>
<td>PM</td>
<td>Committee Meetings</td>
<td>Peer Review Committee</td>
<td>Committee Meetings</td>
<td>Committee Meetings</td>
<td>Project Time</td>
</tr>
<tr>
<td></td>
<td>Process Action Teams</td>
<td>Project Time</td>
<td>Morbidity &amp; Mortality</td>
<td>Morbidity &amp; Mortality</td>
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<td>Conference</td>
<td>Conference</td>
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<td></td>
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<td></td>
<td>Peer Review Comm.</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
MD199.05 MEDICAL MEDIA AND BROADCASTING

In-Depth Location: ASSOC (NBC News TV)

COURSE CHAIR:
Bruce M. Hensel, M.D.  (818) 840-4431

PHONE #:

COURSE OBJECTIVES (in order of importance)
1. To expose the student to media and medical broadcasting.
2. To develop the student’s communicative skills as a physician, advisor, and public speaker (oral presentations).
3. To develop the student’s researching, investigative, and informational evaluation abilities.
4. To improve judgment of new medical procedures.
5. Knowledge of public health, environmental and preventive information, and evaluation.
6. Utilization of public and private health resources.
9. Knowledge of the most up to the minute breaking medical research-worldwide.
10. Knowledge and evaluation of latest treatments and diagnostic tests.

SUPPORTING FACULTY:

STUDENT COORDINATOR:
Bruce M. Hensel, M.D.  (818) 840-4431
E-MAIL: bruce.hensel@nbc.com

AVAILABLE TO EXTERNS: Yes

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cardiovascular problems
2. Medical Ethics
3. Biogenetics
4. New technology (laser, laparoscopy, etc.)
5. Vaccinations (adults & children)
6. Latest surgical techniques
7. Infectious diseases as they affect the public

PREREQUISITES: 4th year students only

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cardiovascular problems
2. Medical Ethics
3. Biogenetics
4. New technology (laser, laparoscopy, etc.)
5. Vaccinations (adults & children)
6. Latest surgical techniques

STUDENTS / PERIOD: max 1 min 1

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS:
By Arrangement

DESCRIPTION: This will be a one-on-one experience for the student. It will expose the student to all aspects of media, medical broadcasting, research, investigation, compilation, and creation. As media becomes more important for the patient and the doctor, it will help hone skills essential to the practice of medicine now and in the future. The course will not involve patient care. Instead it will focus on the ever growing role of media in medicine and enable the student to explore his/her interest in that area.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cardiovascular problems
2. Medical Ethics
3. Biogenetics
4. New technology (laser, laparoscopy, etc.)
5. Vaccinations (adults & children)
6. Latest surgical techniques
7. Infectious diseases as they affect the public

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: N/A

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:00 – 10:00</td>
<td>Review all wires &amp; journals, decide on that day’s story and review with producers, set-up &amp; shoot, investigate research, etc.</td>
<td>10:00 - 11:00</td>
<td>Review all elements, library search of resources, follow-up.</td>
<td>11:00 -12:00</td>
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<tr>
<td>PM</td>
<td>1:00 – 2:00</td>
<td>If shoot not complete, do so at this time; collect and evaluate other necessary information.</td>
<td>2:00 – 4:00</td>
<td>View and assist in writing of daily segment at this time begin researching editors and phoning on next day and future stories.</td>
<td>4:00 – 5:00</td>
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<td>NOTE: The student will view, assist and, whenever possible, participate in all above activities which will also include meetings with producers, editors, and sources.</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:
Only in case of breaking medical news (e.g., disasters, President’s illness, etc.), at discretion of student.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: This course will also sharpen the student's research abilities, capacity for evaluation of lay and professional studies, communicative skills (especially in the area of making medical information understandable for the patient) and put the most up-to-date news at the student's fingertips. The course is limited to 3 students per year.
COURSE OBJECTIVES (in order of importance)
1. Introduction to current concepts of integrative cancer medicine.
2. Knowledge of laboratory approaches to the discovery of new therapeutics derived from natural sources, with some opportunities for laboratory bench experience.
3. Knowledge of clinical-translational research methods and the design and use of clinical trials in evidence-based medicine.
5. Clinical experience in patient management in the medical oncology outpatient clinic.
7. Clinical experience in pain management for pediatric patients with cancer or cancer survivors, with direct exposure to alternative and complementary medical practices.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Breast cancer
2. Ovarian cancer
3. Metastatic cancers
4. Childhood cancers
5. Lung cancer
6. Prostate cancer
7. Colon cancer
8. Lymphoma

INPATIENT: 10%
OUTPATIENT: 90%
CONSULTATION: N/A
PRIMARY CARE: N/A
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS
X FELLOWS
X INTERNS
X OTHER Research Scientists

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

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:00-12:00 Palliative Care Inpatient Serv. Patient Assessment and Attending Rounds</td>
<td>8:00-12:00 East-West Medicine Outpatient Clinic</td>
<td>8:00-12:00 Pediatric Pain Clinic</td>
<td>8:00-12:00 Research Laboratory Experience</td>
<td>8:00-12:00 Palliative Care Inpatient Serv. Patient Assessment and Attending Rounds</td>
</tr>
<tr>
<td></td>
<td>12:00-1:00 Laboratory Research Conference</td>
<td>1:00-5:00 East-West Medicine Outpatient Clinic</td>
<td>12:00-1:00 Multidisciplinary Case Conference w/ Alternative Clinicians</td>
<td>12:00-1:00 Cancer Center Seminar</td>
<td>1:00-2:00 Research Tutorial</td>
</tr>
<tr>
<td></td>
<td>2:00-5:00 Research Laboratory Experience</td>
<td></td>
<td>1:00-5:00 Inpatient Pediatric Pain Service</td>
<td>1:00-5:00 Medical Oncology Outpatient Clinic</td>
<td>2:00-5:00 Research Laboratory Experience</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: The general organization of the program may be modified to meet the special interests of individual students.
Advanced Clinical Clerkship | Location: HARBOR (and other sites)

COURSE CHAIR:  
James S. Seidel, M.D., Ph.D.  
PHONE #: (310) 222-3504

SUPPORTING FACULTY:  
Drs. David Bruckner, Christina Anna Mink, Claire Panosian, 
Daniel Rae, Sydney Harvey, and Mallory Witt

STUDENT COORDINATOR:  
Maria Figueroa  
PHONE #: (310) 222-3504  
E-MAIL: maria@emedharbor.edu

REPORT TO:  
Maria Figueroa, Bldg. D-9, Harbor-UCLA Medical Center

PREREQUISITES:  
Senior with all major clinical rotations completed

AVAILABLE TO EXTERNS:  
No

STUDENTS / PERIOD:  
max 1 min

DURATION:  
4 weeks

2003-2004 ROTATIONS BEGIN WEEKS:  
By Arrangement (Not available in July or December)

DESCRIPTION:  
This course will enable students to have an in-depth experience in independent study in parasitology and tropical medicine. The course combines independent reading and slide study with clinical rotations in the Clinical Laboratory at UCLA, a Traveler’s Clinic, and at times the Hansen’s Disease Clinic at LAC-USC Medical Center, as well as the Sexually Transmitted Disease Clinic of the Department of Health Services.

COURSE OBJECTIVES (in order of importance)
1. Recognize common parasitic organisms that cause disease.
2. Describe the major opportunistic organisms that cause disease.
3. Identify the issues facing travelers to the developing world.
4. Employ common laboratory methods to diagnose parasitic infections.
5. Define the issues in the primary care of HIV infected individuals.
6. Discuss the antiviral treatment of HIV.
7. Describe the treatment of malaria.
8. Describe the presentation of sexually transmitted disease.
9. Describe the therapy for Hansen’s Disease.

STUDENT EXPERIENCES

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT: N/A</th>
<th>OUTPATIENT: N/A</th>
<th>CONSULTATION: 40%</th>
<th>PRIMARY CARE: N/A</th>
<th>LABORATORY MED 40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Parasitic Organisms</td>
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<tr>
<td>2. HIV</td>
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<tr>
<td>1. Malaria</td>
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<tr>
<td>2. Sexually transmitted diseases</td>
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<tr>
<td>3. Hansen’s disease</td>
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</tbody>
</table>

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: N/A

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>Public Health or Clinical Laboratory</td>
<td>Public Health or Clinical Laboratory UCLA</td>
<td>Hansen’s Disease Clinic USC</td>
<td>HIV Clinic Harbor</td>
<td>Traveler’s Clinic UCLA or STD Clinic Hollywood</td>
</tr>
<tr>
<td>PM</td>
<td>HIV Clinic Harbor</td>
<td>Public Health or Clinical Laboratory UCLA</td>
<td>Traveler’s Clinic UCLA or Independent Study</td>
<td>Public Health Laboratory</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  
None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  
Program can be tailored to meet the needs of the student taking the elective.
Advanced Clerkship
Location: ASSOC(Casa Clinica, Las Varas, Mexico)
2003-2004
1/2/2003

COURSE CHAIR:
Dr. Ashley Christiani
PHONE #: (310) 825-5469

SUPPORTING FACULTY:
Laura Del Valle, M.D., MPH, e-mail info@mardejade.com

STUDENT COORDINATOR:
Heather Bautista
PHONE: (310) 825-1048
E-MAIL: fmpredoc@mednet.ucla.edu
FAX: (310) 206-0181

PREREQUISITES: None. (Medicine, Surgery, Ob/Gyn, Pediatrics, and a Derm elective recommended)

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 10 min 1

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS: By Arrangement

DESCRIPTION: This clerkship is located in an impoverished area of rural Mexico, 60 miles north of Puerto Vallarta. The clinical experience is divided among an established clinic in Las Varas (pop. 11,000), and an infirmary adjacent to student living quarters which serves the local inhabitants (pop. 200). Students participate in health fairs in nearby villages and perform home visits. There is an emphasis on medical Spanish and cultural issues. The medical experience is best for students with greater Spanish proficiency. Although this is best taken as a fourth-year elective, students may request this elective earlier in their course of study.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Infectious disease
2. Malnutrition
3. Hepatitis
4. Alcoholism
5. Diabetes
6. Hypertension
7. Depression
8.

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

CLOSE CONTACT WITH:
FULL TIME FACULTY
X CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
X OTHER Medical Students & other visiting health care workers

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 40-100

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: up to 400

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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<th>Tuesday</th>
<th>Wednesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>Medical Spanish 9 - 12</td>
<td>9 – 11 Tour of Las Vargas Women’s Sewing Co-op and Food Kitchen</td>
<td>Medical Spanish 9 - 12</td>
<td>9 – 11 Tour of Children’s Program</td>
<td>Medical Spanish 9 - 12</td>
</tr>
<tr>
<td>PM</td>
<td>Cultural Activity</td>
<td>12 – 4 Community Clinic Las Vargas</td>
<td>Health Fair</td>
<td>12 – 4 Community Clinic Las Vargas</td>
<td>Cultural Activity</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No call, except for emergencies at the infirmary.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Room and board (3 meals/day) is $400/week. There is a supplemental cost for Spanish language instruction of $260 for 3 weeks. Airfare not included.
COURSE OBJECTIVES (in order of importance)

1. The adoption of a management as an opposed to curative approach to chronic spine and musculoskeletal pain patients.

2. Learn brief psychological assessment for patients with pain, including substance abuse potential and depression.

3. Learn appropriate pharmacotherapy for chronic and acute pain.

4. Gain an understanding of interventional approaches to spine and musculoskeletal pain.

5. Learn a musculoskeletal and spine exam for acute and chronic pain.


7. Learn timing of test ordering and interventional procedures during work-up and management of spine and musculoskeletal pain.

8. Understand the use of electromyographic testing and diagnosis for peripheral nerve disease.

DESCRIPTION:
The Comprehensive Spine Center at UCLA and the VA Greater Los Angeles Health Care System Center consists of a Multidisciplinary Non-Operative musculoskeletal and spine pain management team. Students will have an opportunity to participate in the evaluation of both chronic and acute musculoskeletal and spine pain patients under the supervision of a multidisciplinary team. This includes medication management, physical therapy, psychological assessment, interventional procedures, peripheral nerve diagnosis with electromyography and the development of a comprehensive management plan for musculoskeletal and spine. Students will also have an opportunity to observe and help perform interventional spine or musculoskeletal pain procedures such as nerve blocks, facet blocks, muscle, joints and tendon injections, discograms, and spinal cord stimulator implantation under direct supervision. Students will also attend scheduled lectures geared toward spine and musculoskeletal pain management.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Spine pain
2. Neuropathic pain
3. Fibromyalgia/myofacial pain
4. Psychological issues related to spine pain.
5. Headaches
6. Musculoskeletal or Myofascial pain
7. Post-surgical spine pain
8. Radiculopathy

INPATIENT:

OUTPATIENT:

CONSULTATION:

PRIMARY CARE:

CLOSE CONTACT WITH:

FULL TIME FACULTY

CLINICAL FACULTY

FELLOWS

RESIDENTS

INTERNS

OTHER: Anesthesia, Neurosurgery, Orthopaedist, Physical Medicine & Rehab, Nursing, and Physical Therapy

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 32

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: >200

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>8:00 - 12:00 Orthopaedic Clinic (200 Med Plaza)</td>
<td>8:00 - 12:00 Orthopaedic Clinic (200 Med Plaza)</td>
<td>8:00 - 12:00 Orthopaedic Clinic (200 Med Plaza)</td>
<td>8:00 - 4:00 UCLA Surgical Center UCLA (200 Med Plaza)</td>
<td>8:00 - 5:00 Orthopaedic Clinic (200 Med Plaza)</td>
</tr>
<tr>
<td></td>
<td>Comprehensive Spine Center</td>
<td>Comprehensive Spine Center</td>
<td>Comprehensive Spine Center</td>
<td>Comprehensive Spine Center</td>
<td>Comprehensive Spine Center</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 - 4:30 UCLA Surgical Center (200 UCLA Med Plaza)</td>
<td>1:00 - 4:30 Musculoskeletal Lecture Series VA WLA</td>
<td>1:00 - 4:30 EMG Laboratory</td>
<td>4:00 - 6:00 UCLA Anesthesia Pain Service Lecture Series</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Research opportunities available.
PREREQUISITES: Surgery, Medicine

REPORT TO: 300 UCLA Med Plaza, Rm B-205, 8:00 a.m. first day.

COURSE CHAIR: PHONE #: Antonio A.F. De Salles, M.D., Ph.D. (310) 267-5217

SUPPORTING FACULTY: Neuro-Surgery/De Salles; Rad-Onc/, Selch, Solberg, Wallace.

STUDENT COORDINATOR: PHONE #: Ed Mitchell (310) 267-5217 E-MAIL: emithcell@mednet.ucla.edu

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

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

COURSE OBJECTIVES (in order of importance)
1. Link of computer science and the medical specialty.
2. Participate in a radiosurgical procedure.
3. Evaluate patients as out-patient candidates for radiosurgery.
4. Evaluate patients in follow-up after radiosurgery.
5. Learn pathologies of brain treatable by radiosurgery.
6. Learn principles of radiobiology as it relates to radiosurgery.
7. Learn principles of anatomy as related to radiosurgery.
8. Learn principles of radiation physics as related to radiosurgery.
9. Radiological imaging techniques related to radiation surgery including neuro-angiography, computed tomography (CT), magnetic resonance imaging (MRI), and positron emission tomography (PET).
10. Evaluation of surgical functional disease of the CNS.
11. Functional neurology.

DESCRIPTION: The student participates in the selection of patients under supervision of the neurosurgeon and the radiation oncologist. The imaging studies (MRI, CT, and PET) are discussed in conjunction with the physicist, keeping in mind the radiosurgical planning. Direct contact with the patient's physical examination is available to the student. Experience will be obtained in dealing with brain tumors and cerebral vascular disease. Students will write and give an oral presentation on one of the subtopics of radiosurgery. Students will participate in conferences where decisions regarding tumor/vascular treatment are made.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Primary malignant brain tumors
2. Metastatic brain tumors
3. Arterio-venous malformations
4. Acoustic neuromas
5. Pituitary adenomas
6. Meningiomas
7. Chordomas
8. Parkinson’s Disease
9. Essential tremor

INPATIENT: 0%
OUTPATIENT: 100%
CONSULTATION: 30%
PRIMARY CARE: 70%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER Radiologic technologists, radiation therapists, nurses, medical physicists

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 16
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 60-80

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:00 A.M. Acquaintance with Faculty</td>
<td>7:00 Am Placement of Stereotactic Ring</td>
<td>8:00 Lecture</td>
<td>7:00 Placement of Stereotactic Ring</td>
<td>8:00 Movement Disorder Meeting</td>
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<tr>
<td></td>
<td>8:30 Imaging Studies</td>
<td>10:00 Follow-up Patients</td>
<td>8:30 Imaging Studies</td>
<td>8:00 Stereotactic/ Radiosurgery Clinical Conference</td>
<td>9:00 Stereotactic/ Radiosurgery Clinical Conference</td>
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<tr>
<td></td>
<td>10:00 Equipment Calibration</td>
<td>11:00 Tumor Conference</td>
<td>10:00 Equipment Calibration</td>
<td>9:30 Student Presentation</td>
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</tr>
<tr>
<td>PM</td>
<td>1:00 P.M. Research Topic Assigned</td>
<td>12:00 Radiosurgery Planning</td>
<td>4:00 Radiology of Neurosurgical Diseases Clinical Conference</td>
<td>12:00 Radiosurgery Planning</td>
<td>11:00 - 6:00 Clinic -</td>
</tr>
<tr>
<td></td>
<td>Library Search</td>
<td>2:00 Radiosurgery</td>
<td>4:00 Neurovascular Conference</td>
<td>2:00 Radiosurgery</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: The course provides experience with patient care and high technology applications in the treatment of brain disease.
**COMPRESSIVE SPINE AND PAIN**

**Advanced Clinical Clerkship**

**Location:** CHS/S.MONICA

**COURSE OBJECTIVES (in order of importance)**

1. The adoption of a management as opposed to curative approach to chronic spine pain patients.
2. Learn brief psychological assessment for patients with pain, including substance abuse potential and depression.
3. Learn appropriate pharmacotherapy for chronic and acute pain.
4. Gain an understanding of all surgical and interventional approaches to spine disorders.
5. Learn a musculoskeletal and spine exam for acute and chronic pain.
6. Learn appropriate pre and post-surgical spine pain evaluation and treatment.
7. Learn MRI and x-ray reading and interpretation of the spine and extremities.
8. Learn timing of test ordering and interventional procedures during work-up and management of spine pain.
9. Understand the theory behind surgical treatment for spine disorders.

**DESCRIPTION:** The Comprehensive Spine Center at UCLA consists of a multidisciplinary team that approaches all types of spinal disorders. Students will have an unique opportunity to participate in the evaluation of both operative and non-operative spine patients under the supervision of each member of the multidisciplinary team. This includes Neurosurgery, Orthopaedic Surgery, Anesthesiology, and Physiatry (Physical Medicine and Rehabilitation). Treatment options that will be taught are: medication management, physical therapy, psychological assessment, interventional procedures, and surgical interventions. Students will also have an opportunity to observe interventional procedures such as nerve blocks, facet blocks, epidurals, discograms, and spinal cord stimulator implantation under direct supervision. Surgical cases will include laminectomy, microdiskectomy, and fusion instrumentation. Students will also attend scheduled lectures geared toward spine and pain management.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

<table>
<thead>
<tr>
<th>Problem/Disease</th>
<th>Inpatient:</th>
<th>Outpatient:</th>
<th>Consultation:</th>
<th>Primary Care:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spine pain</td>
<td>0%</td>
<td>100%</td>
<td>100%</td>
<td>0</td>
</tr>
<tr>
<td>Neuropathic pain</td>
<td></td>
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<tr>
<td>Fibromyalgia/myofacial pain</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Psychological issues related to spine pain</td>
<td></td>
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<tr>
<td>Herniated Disks</td>
<td></td>
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<td></td>
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<tr>
<td>Musculoskeletal or Myofascial pain</td>
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<tr>
<td>Post-surgical spine pain</td>
<td></td>
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<tr>
<td>Radiculopathy</td>
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**CLOSE CONTACT WITH:**

- X FULL TIME FACULTY
- X CLINICAL FACULTY
- X FELLOWS
- X RESIDENTS
- X OTHER Anesthesia, Neurosurgery, Orthopaedist, Physical Medicine & Rehab, Nursing.

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 32

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** >200

**TYPICAL WEEKLY SCHEDULE**

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<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:00 - 5:00</td>
<td>Neurosurgery OR (UCLA-Santa Monica) Comprehensive Spine Center</td>
<td>Procedure Rooms (200 Med Plaza) UCLA Surgical Center Anesthesiology</td>
<td>Outpatient Orthopaedic Clinic (200 Med Plaza) Orthopaedic Surgery</td>
<td>8:00 - 4:00</td>
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<tr>
<td>PM</td>
<td>Spine Conference UCLA Neurosurgery Library 5:00 - 8:00</td>
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<td>1:00 - 5:00 (UCLA-Santa Monica)</td>
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<td>4:00 - 6:00</td>
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</table>

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

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Research opportunities available.
MD299.02  PALLIATIVE CARE


COURSE CHAIR:  PHONE #:  
Kenneth Rosenfeld, M.D.  (310) 268-4657

SUPPORTING FACULTY:

STUDENT COORDINATOR:  PHONE #:  
Jillisa Steckart, Psy.D.  (310) 268-3500  
E-MAIL: jillisa.steckart@med.va.gov

REPORT TO: 
Kenneth Rosenfeld, M.D., Bldg. 500, Room 3222 @ 10:00 a.m.

PREREQUISITES: Medicine

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 1 min 1

DURATION: 2 weeks

2003-2004 ROTATIONS BEGIN WEEKS: 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. The adoption of a caring, as opposed to curing, role for health care professionals.
2. Learn the psychological stages of the dying process, grief reactions, and the pathophysiology of death and dying.
3. Ethical and legal issues in the care of the terminally ill.
4. Accurate prognostication and communication of prognosis.
5. Other aspects of communication with patient and family, including management of emotional and psychological issues.
6. Effective methods of symptom control, including relief of pain, fever, nausea, dyspnea, pruritus, and other gastrointestinal, respiratory, urinary, cutaneous, CNS, musculoskeletal, and systemic symptoms.
7. Gain an understanding of the patient and family in the context of the home environment.
8. Learn to provide care as a member of a coordinated multidisciplinary team.
10. Medical record keeping (data collection, record keeping, writing consults).
11. Increase the student’s confidence and ability to give oral presentations.

DESCRIPTION: The Palliative Treatment Program at VAMC West Los Angeles consists of a consultative service for the entire hospital. A multi-disciplinary team approach is used to provide or recommend palliative care measures for terminally ill patients and to optimize the quality of life of patients wishing hospice care. Various teaching aids, including videotapes and reading materials, are available. Emphasis is on learning the principles of palliation and the skills required in providing palliative care. The student will be following consult patients and patients in Geriatrics and Extended Care Units programs. Student may also have the opportunity to visit community hospice programs.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Pain secondary to cancer
2. Depression
3. GI - constipation, nausea/vomiting
4. Psychosocial issues
5. Spinal cord compression
6. Seizures
7. Dyspnea
8. Ethical/legal issues

INPATIENT: 90%
OUTPATIENT: 10%
CONSULTATION: 80%
PRIMARY CARE: 20%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 15
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 45

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
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<tr>
<td>AM</td>
<td>9:00 - 12:00</td>
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<td>Ward Consults</td>
<td>Ward Consults</td>
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<tr>
<td>PM</td>
<td>12:00 - 1:00</td>
<td>12:00 - 1:00</td>
<td>12:00 - 1:00</td>
<td>12:00 - 1:00</td>
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<tr>
<td></td>
<td>Medical Lecture Series</td>
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<td>Medical Lecture Series</td>
<td>Medical Lecture Series</td>
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<tr>
<td></td>
<td>2:00 - 3:00</td>
<td>Consult Rounds</td>
<td>2:00 - 3:00</td>
<td>Consult Rounds</td>
<td>Consult Rounds</td>
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<tr>
<td></td>
<td>Consult Rounds</td>
<td>Ward Consults</td>
<td>Palliative Care Conference</td>
<td>Ward Consults</td>
<td>Ward Consults</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
CANCELLLED

MD299.04 TRANSITION TO INTERNSHIP (TTI)  

Advanced Clinical Clerkship  
Location: CHS  
2003-2004  
1/2/2003

COURSE OBJECTIVES (in order of importance)  
1. Prepare 4th year students for common on-call emergencies they may expect to encounter in internship and residency.  
2. Familiarize students with ACLS protocols and the skills required to run a code blue.  
3. Familiarize students with the diagnosis and management of common in-house emergencies such as: Myocardial infarction, cardiac arrest, cardiogenic shock, acute pulmonary embolism, pulmonary edema, transfusion reactions, severe anemia, hemodynamic instability.  
4. Provide a time-sensitive approach to the evaluation and treatment of common electrolyte imbalances and acid-base disturbances.  
5. Workshops in clinical skills such as EKG interpretation, analysis of chest radiographs, endotracheal intubation, and ventilator management.  
6. Hands-on training in common procedures such as placement of Foley catheter, nasogastric tubes, and intravenous (peripheral and/or central) lines.  
7. Time management, including patient triage and the prioritization of multiple tasks.  
8. Effective communication with patients, as well as consultants, colleagues and other members of the healthcare team.  
9. Familiarize students with team-building techniques that may enhance the residency experience, improve continuity of patient care and benefit provider morale.

DESCRIPTION: This multidisciplinary elective is designed to provide advanced level, practical, training on the acute clinical management skills required in most internships, and techniques for enhancing personal efficacy as a house officer. While there is no direct contact, the course makes extensive use of patient simulators and includes a one-week training on ACLS protocols. (Students that successfully pass all the ACLS stations and "mega-code" will receive ACLS certification.) Workshops are classroom-based or in the Patient Simulator rooms at CHS. There is a $25 charge for the required ACLS textbook.

STUDENT EXPERIENCES  

COMMON PROBLEMS/DISEASES  
1. Cardiac disease (acute manifestations)  
2. Pulmonary emergencies  
3. Shock  
4. Electrolyte abnormalities  
5. Acid-base disorders  
6. Trauma  
7. Surgical / Orthopedic Emergencies  
8. Obstetric Emergencies (on request)

INPATIENT: N/A  
OUTPATIENT: N/A  
CONSULTATION: N/A  
PRIMARY CARE: N/A  
CLOSE CONTACT WITH:  
FULL TIME FACULTY X  
CLINICAL FACULTY X  
FELLOWS  
RESIDENTS INTERNS  
OTHER N/A

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

TYPICAL WEEKLY SCHEDULE  

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<th>Wednesday</th>
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<tbody>
<tr>
<td>AM</td>
<td>Intro to ACLS Stations &amp; Cardiac Emergencies</td>
<td>AM Report &amp; Group Discussion</td>
<td>AM Report &amp; Group Discussion</td>
<td>AM Report &amp; Group Discussion</td>
<td>AM Report &amp; Group Discussion</td>
</tr>
<tr>
<td></td>
<td>Code Blue Secrets</td>
<td>Case-based Workshops Patient Simulator</td>
<td>Case-based Workshops Patient Simulator</td>
<td>Case-based Workshops Patient Simulator</td>
<td>Case-based Workshops Patient Simulator</td>
</tr>
<tr>
<td></td>
<td>Self-directed Learning</td>
<td>Skills Lab (EKG) &amp; Wrap-up of Cases</td>
<td>Skills Lab (CXR) &amp; Skills Lab (Intubation) &amp; Wrap-up of Cases</td>
<td>Skills Lab (Ventilators) &amp; Wrap-up of Cases</td>
<td>Skills Lab (Lines &amp; Tubes) &amp; Wrap-up of Cases</td>
</tr>
<tr>
<td>PM</td>
<td>Intro to ACLS Stations &amp; Cardiac Emergencies</td>
<td>Intro to Computer Case Simulations (IMF Lab)</td>
<td>&quot;Harvey&quot;</td>
<td>Guest Lecturer (M&amp;Ms, iatrogenic Injury)</td>
<td>Simulator Cases or &quot;Mega-Code&quot;</td>
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<tr>
<td></td>
<td>Code Blue Secrets</td>
<td>Self-directed Learning</td>
<td>Self-directed Learning</td>
<td>Self-directed Learning</td>
<td>Self-directed Learning</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  
Students may receive ACLS certification if they successfully complete ACLS training and pass all tests including "mega-code."

REPORT TO:  
Dr. Christiani, Room BH-433 CHS @ 9:00 a.m.

PREREQUISITES: Internal Medicine (Inpatient & Ambulatory), Surgery, Neurology, Psychiatry, Family Medicine, Pediatrics, Obstetrics and Gynecology, and Radiology. Anesthesiology and Emergency are desired, but not required.

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 10 min 4

DURATION: 2 weeks  
2003-2004 ROTATIONS BEGIN WEEKS: 35
COURSE OBJECTIVES (in order of importance)
1. To understand basic principles of learning and implications for teaching in medical education.
2. To demonstrate skills in facilitating small group discussion.
3. To assess learner’s needs and determine appropriate teaching strategies to meet those needs.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
N/A

CLOSE CONTACT WITH:
X FULL TIME FACULTY

INFECTIOUS:
N/A

CLINICAL FACULTY

CONSULTATION:
N/A

FELLOWS

PRIMARY CARE:
N/A

RESIDENTS

CONSULTATION:
N/A

INTERNS

PRIMARY CARE:
N/A

OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: N/A

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

<table>
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</table>
|      | Faculty development and teaching (some faculty development sessions may be scheduled separately):  
|      | Doctoring 1: Tuesday, Wednesday, or Thursday afternoons  
|      | Doctoring 2: Tuesday, Wednesday, or Thursday afternoons  
|      | Doctoring 3: Tuesday or Thursday mornings (twice a month)  
|      | CABS: Weekly, Fall semester, Tuesdays or Wednesdays or Thursdays, 8-10 am  
|      | CABS: Weekly, Spring semester, Wednesdays or Thursdays or Fridays, 8-10 am  
|      | M&I Case Studies: Fall Semester, Fridays, 10 am-12 n or 1-3pm |
| PM   |        |         |           |          |        |
|      | Four evening seminars on teaching and learning |

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: