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

1. Integrate clinical pharmacology principles with clinical practice to avoid adverse drug reactions, using a case discussion format.
2. Understand applications of pharmacokinetics and pharmacodynamics that impact treatment.
3. Gain proficiency in the pharmacogenetic differences between populations.
4. Achieve an appreciation of interindividual variability and identify treatment issues in specific populations, including children, the elderly, and pregnant women.
5. Review the mechanisms of drug interactions, particularly inpatients with multi-system disease.
7. Understand appropriate therapeutic approaches to poisoning and overdoses.
8. Increase awareness of benefits and potential problems related to pharmacoeconomics.
10. Develop strategies to evaluate new drugs as they come on the market and gain insight into P & T Committee approaches.

**INTRODUCTION:** Adverse drug reactions, including drug interactions, have been identified as a public health problem nationwide. Clinical pharmacology is a bridge discipline that integrates basic pharmacological principles with all medical specialties and subspecialties. In this context, this course has been developed to teach medical students the use of clinical pharmacology as a tool to improve therapeutics in individual patients. The course will teach qualitative and quantitative therapeutic decision-making, with the goals of helping students learn to distinguish drug-related events from disease processes and to individualize treatment based on selected patient-specific endpoints. The course will consist of 2 days of overview of the essential clinical pharmacology.
MD120.01 ADVANCED CARDIAC LIFE SUPPORT

In-Depth Location: CHS 2002 - 2003
4/23/2002

COURSE CHAIR: Randolph Steadman, M.D. (310) 267-2577

SUPPORTING FACULTY:

STUDENT COORDINATOR: Ariel Ploss (310) 267-2577

REPORT TO: Dr. Steadman, Simulator Lab (BH-432 CHS) @ 8:00 a.m.

PREREQUISITES: Inpatient Internal Medicine and Surgery

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 24 min 12

DURATION: 1 weeks

2002 - 2003 ROTATIONS BEGIN WEEKS: 36

INTRODUCTION: This weeklong 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.

COURSE OBJECTIVES (in order of importance)
1. Develop airway management
2. Learn arrhythmia recognition
3. Acquire resuscitation skills
4. Acquire teamwork skills needed in managing life-threatening cardiac events
5. Learn to use resuscitation equipment, including bag-valve-mask devices, defibrillators and portable cardiac monitor

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: X FULL TIME FACULTY
X 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>Introduction Course Overview Pre-test</td>
<td>Arrhythmia Recognition</td>
<td>Introduction to ACLS Algorithms</td>
<td>Practice Stations, Session 1</td>
<td>Testing Stations</td>
</tr>
<tr>
<td>PM</td>
<td>Airway Management Skills Station</td>
<td>Resuscitation Pharmacology</td>
<td>Study Time</td>
<td>Practice Stations, Session 2</td>
<td>Written Test Megacode</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
MD199.04 QUALITY MANAGEMENT IN A HEALTH FACILITY

In-Depth

Location: HARBOR

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

SUPPORTING FACULTY: Carlene Boyle, R.N., M.S., Quality Assessment/Resource Management

STUDENT COORDINATOR: Mele Lei-Sam (310) 222-2168

REPORT TO: Tony Greenberg, M.D., Harbor-UCLA Medical Center, 1000 W. Carson St. B-4 Annex.

PREREQUISITES: None

AVAILABLE TO EXTERNALS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2002-2003 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: %

OUTPATIENT: %

CONSULTATION: %

PRIMARY CARE: %

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>
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</thead>
<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 Conference</td>
</tr>
<tr>
<td></td>
<td>Morbidity &amp; Mortality Conference</td>
<td></td>
<td>Resource Management Review</td>
<td></td>
<td></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></td>
<td>Morbidity &amp; Mortality Conference</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Peer Review Comm.</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
In-Depth Location: ASSOC

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

SUPPORTING FACULTY:

STUDENT COORDINATOR: PHONE #:
Bruce M. Hensel, M.D. (818) 840-4431

REPORT TO: Dr. Hensel, KNBC TV - News Room, 3000 W. Alameda Ave., Burbank @ 8:00 a.m..

PREREQUISITES: 4th year students only

AVAILABLE TO EXTERNALS: Yes

STUDENTS / PERIOD: max 1 min 1

DURATION: 3 weeks

2002-2003 ROTATIONS BEGIN WEEKS:
By Arrangement

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.

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

INPATIENT: N/A%
OUTPATIENT: N/A%
CLOSE CONTACT WITH:
CONSULTATION: N/A%
PRIMARY CARE: N/A%
FULL TIME FACULTY
X 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>
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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>
</tr>
<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>
</tr>
</tbody>
</table>

NOTE: The student will view, assist, and whenever possible participate in all above activities which will also include meetings with producers, editors, and sources.

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

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>PRIMARY CARE:</th>
<th>CONSULTATION:</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Breast cancer</td>
<td>10%</td>
<td>90%</td>
<td></td>
<td></td>
<td>FULL TIME FACULTY</td>
</tr>
<tr>
<td>2. Ovarian cancer</td>
<td></td>
<td></td>
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<td></td>
<td>CLINICAL FACULTY</td>
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<tr>
<td>3. Metastatic cancers</td>
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<td>FELLOWS</td>
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<tr>
<td>4. Childhood cancers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RESIDENTS</td>
</tr>
<tr>
<td>5. Lung cancer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTERNS</td>
</tr>
<tr>
<td>6. Prostate cancer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OTHER Research Scientists</td>
</tr>
<tr>
<td>7. Colon cancer</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>8. Lymphoma</td>
<td></td>
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</tbody>
</table>

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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<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>
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</tr>
<tr>
<td>PM</td>
<td>12:00-1:00 Laboratory Research Conference</td>
<td>1:00-5:00 Multidisciplinary Case Conference w/ Alternative Clinicians 1:00-5:00 Inpatient Pediatric Pain Service</td>
<td>12:00-1:00 Cancer Center Seminar 1:00-5:00 Medical Oncology Outpatient Clinic</td>
<td>1:00-2:00 Research Tutorial 2:00-5:00 Research Laboratory Experience</td>
<td></td>
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</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.
COURSE CHAIR: Michael J. Stamos, M.D. (310) 782-1562

SUPPORTING FACULTY: Drs. Tracey Arnell and Victor Eysellein

STUDENT COORDINATOR: Loren Miyamoto (310) 782-1562

REPORT TO: 1-East Surgery Bldg, Dept of Surgery, Harbor-UCLA Med Center, 8:00 a.m. 1st day of the elective

PREREQUISITES: Medicine, Surgery

AVAILABLE TO EXTERN: Yes

STUDENTS / PERIOD: max 2, min 1

DURATION: 3 weeks

2002-2003 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: Designed primarily for the student interested in GI Surgery or GI Medicine. The student will be expected to function independently with close contact of supporting faculty. Teaching activities include attending rounds, endoscopy experience, and attendance at conferences.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Colon / Rectal Cancer
2. Inflammatory Bowel Disease
3. Diverticulitis
4. Ischemic Colitis
5. GI bleeding
6. Benign anorectal disease
7. Colorectal cancer screening

INPATIENT: 75%
OUTPATIENT: 25%
CONSULTATION: 40%
PRIMARY CARE: 60%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 50

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
<th>Hour</th>
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<th>Wednesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>SURGERY CLINIC</td>
<td>GI CLINIC</td>
<td>SURGERY GRAND ROUNDS</td>
<td>SURGERY</td>
<td>ENDOSCOPY</td>
</tr>
<tr>
<td></td>
<td>M&amp;M SURGERY CONFERENCE</td>
<td>Tumor Board Conferences</td>
<td></td>
<td>Attending Round</td>
<td></td>
</tr>
<tr>
<td>PM</td>
<td>ATTENDING ROUNDS (CRS)</td>
<td>ENDOSCOPY / SURGERY</td>
<td>MED / SURGERY CONFERENCE</td>
<td>Consults</td>
<td>ENDOSCOPY</td>
</tr>
<tr>
<td></td>
<td>Colon &amp; Rectal Surg Clinic</td>
<td></td>
<td>GI / PATH. CONFERENCE</td>
<td></td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Rounds are multi-disciplinary, a combination of surgical and medical gastroenterology.

COURSES OBJECTIVES (in order of importance)
1. Diagnosis and management of complicated intestinal disorders.
2. Indications and use of video endoscopy.
3. Consideration of cost effectiveness of screening for GI cancers.
4. Appreciation for benefit of multidisciplinary approach to complex GI disorders.

LOCATION: HARBOR
Advanced Clinical Clerkship

**Location:** HARBOR (and other sites)

**2002-2003**

**1/28/2002**

**COURSE OBJECTIVES (in order of importance)**
1. Recognize common parasitic organisms that cause disease.
2. Describe the major opportunistic infections in HIV infected individuals.
3. Identify the issues facing travelers to the developing world.
4. Employ common laboratory methods to diagnose parasitic infections.
5. Define the issue in the primary care of HIV infected individuals.
6. Describe 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.

**INTRODUCTION:** 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.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**
1. Parasitic Organisms
2. HIV
   1. Malaria
   2. Sexually transmitted diseases
   3. Hansen’s disease
4.  
5.  
6. 

**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>
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<tr>
<th>Hour</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.
MD253.01 COMMUNITY MEDICINE IN MEXICO

Advanced Clerkship
Location: ASSOC(Casa Clinica, Las Varas, Mexico)

COURSE CHAIR: Dr. Richard Usatine
PHONE #: (310) 825-1048

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

STUDENT COORDINATOR: Heather Bautista
PHONE: (310) 825-1048
Communication is best by e-mail rusatine@ucla.edu

COURSE OBJECTIVES (in order of importance)
1. Improve students’ ability to take a history in Spanish.
2. Increase awareness of cultural issues unique to the Mexican community.
3. Acquaint students with health policy, economics, and health care organizations in rural Mexico.
4. Challenge students’ ability to diagnose and successfully treat disease with limited resources.
5. Increase awareness of alternative methods of disease management.

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

AVAILABLE TO EXTERNALS: No

STUDENTS / PERIOD: max 10 min 1

DURATION: 3 weeks

2002-2003 ROTATIONS BEGIN WEEKS:
By Arrangement

INTRODUCTION: 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. Nutritional problems
3. Diseases of impoverished communities
4. Problems of limited resources
5. Common primary care problems
6. 
7. 
8.

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

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<tbody>
<tr>
<td>AM</td>
<td>Medical Spanish</td>
<td>Spanish</td>
<td>Medical Spanish</td>
<td>Spanish</td>
<td>Medical Spanish</td>
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<tr>
<td>PM</td>
<td>Clinical Patient Care</td>
<td>Clinical Patient Care</td>
<td>Clinical Patient Care</td>
<td>Clinical Patient Care</td>
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</tbody>
</table>

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

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Travel and Housing information is available. Reservations can be made on-line on the Mar de Jade website at: www.mardejade.com.
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 of the student with the patient's physical examination is available. 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.

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

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

TYPICAL WEEKLY SCHEDULE

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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 8:30 Imaging Studies 10:00 Equipment Calibration</td>
<td>8:00 Lecture 10:00 Follow-up Patients 11:00 Tumor Conference</td>
<td>7:00 Placement of Stereotactic Ring 8:30 Imaging Studies 10:00 Equipment Calibration</td>
<td>8:00 Movement Disorder Meeting 9:00 Stereotactic/ Radiosurgery Clinical Conference 9:30 Student Presentation 11-? Clinic</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 P.M. Research Topic Assigned Library Search</td>
<td>12:00 Radiosurgery Planning</td>
<td>4:00 Radiology of Neurosurgical Diseases Clinical Conference</td>
<td>12:00 Radiosurgery Planning</td>
<td></td>
</tr>
</tbody>
</table>

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.
MD299.02  HOSPICE/ PALLIATIVE CARE

Advanced Clinical Clerkship  
Location:  WVA  

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%  X FULL TIME FACULTY  X FELLOWS  X 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>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<tbody>
<tr>
<td>AM</td>
<td>9:00 - 12:00 Ward Consults</td>
<td>9:00 - 12:00 Ward Consults</td>
<td>9:00 - 12:00 Ward Consults</td>
<td>9:00 - 12:00 Ward Consults</td>
<td>9:00 - 12:00 Ward Consults</td>
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<tr>
<td>PM</td>
<td>12:00 - 1:00 Medical Lecture Series</td>
<td>12:00 - 1:00 Medical Lecture Series</td>
<td>12:00 - 1:00 Medical Lecture Series</td>
<td>12:00 - 1:00 Medical Lecture Series</td>
<td>12:00 - 1:00 Medical Lecture Series</td>
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<td>2:00 - 3:00 Consult Rounds Ward Consults</td>
<td>2:00 - 3:00 Consult Rounds Ward Consults</td>
<td>2:00 - 3:00 Palliative Care Conference Ward Consults</td>
<td>Consult Rounds Ward Consults</td>
<td>Consult Rounds Ward Consults</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  None
ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE OBJECTIVES (in order of importance)
1. Apply clinical knowledge to common acute care case scenarios
2. Develop acute care and airway management skills
3. Make independent medical decisions
4. Learn to use resuscitation equipment and commonly available critical care monitors
5. Develop and improve interpersonal, communication, leadership, and team building skills

PREREQUISITES: Inpatient Internal Medicine and Surgery

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 8 min 4

DURATION: 1 weeks

2002 - 2003 ROTATIONS BEGIN WEEKS:
18

INTRODUCTION: This course provides the opportunity for hands-on experience in managing patient case scenarios in a simulated setting. Students will play the role of interns in charge of acute case cases. Videotaping will be used to facilitate debriefing. Students will be exposed to didactic cases as well as simulator scenarios. Simulated scenarios involve role-playing and are followed by debriefing discussions. Student pairs will take turns managing common acute care cases on the Human Patient Simulator. The debriefing will involve the entire group and focus on key medical points from the scenarios as well as discussion on behavioral and resource management issues.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cardiopulmonary arrest
2. Arrhythmias
3. Hypertension
4. Dyspnea
5. Trauma
6. Altered mental status
7. Chest pain
8. Pain management

INPATIENT: N/A%
OUTPATIENT: N/A%
CONSULTATION: N/A%
PRIMARY CARE: N/A%
CLOSE CONTACT WITH: X FULL TIME FACULTY
X 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

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<tr>
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<tbody>
<tr>
<td>AM</td>
<td>Didactic Sessions Simulator Cases &amp; Debriefing Sessions</td>
<td>Didactic Sessions Simulator Cases &amp; Debriefing Sessions</td>
<td>Field Trip: Challenge Course</td>
<td>Didactic Sessions Simulator Cases &amp; Debriefing Sessions</td>
<td>Didactic Sessions Simulator Cases &amp; Debriefing Sessions</td>
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<tr>
<td>PM</td>
<td>Simulator Cases &amp; Debriefing Sessions</td>
<td>Simulator Cases &amp; Debriefing Sessions</td>
<td>Free Time</td>
<td>Simulator Cases &amp; Debriefing Sessions</td>
<td>Wrap-up Discussion Feedback / Evaluations</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. 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 arrhythmia, congestive heart failure, acute pulmonary embolism, anaphylaxis, transfusion reactions, stroke, hemodynamic instability.
4. Provide a time-sensitive approach to the evaluation and treatment of common electrolyte imbalances and acid-base disorders.
5. Workshops in clinical skills such as EKG interpretation, evaluation 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 health-care team.
9. Familiarize students with team-building techniques that may enhance the residency experience, improve continuity of patient care and benefit provider morale.

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 EXTERNALS: No

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)

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

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

TYPICAL WEEKLY SCHEDULE

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."
MD999.08  TEACHING FELLOWSHIP – DOCTORING 4


COURSE CHAIR: Jerome Hoffman, M.D. & LuAnn Wilkerson, Ed.D. PHONE #: (310) 794-7018

SUPPORTING FACULTY: Various faculty in Doctoring 1, 2 and 3, Clinical Applications of the Basic Sciences (CABS) and Microbiology and Immunology

STUDENT COORDINATOR: Anne Gadelha PHONE #: (310) 794-9616

REPORT TO: Location, Date and Time: TBA

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

PREREQUISITES:

AVAILABLE TO EXTERNs: No

STUDENTS / PERIOD: max 40 min 1

DURATION: 8 teaching sessions and 3 evening seminars (course will be acknowledgement on transcript.)

2002-2003 ROTATIONS BEGIN WEEKS:
By Arrangement (beginning mid August)

DESCRIPTION: This is a longitudinal experience that will require students to negotiate time for participation from concurrent clerkships in a teaching practicum as Academic Fellows. During scheduled small group teaching sessions in required courses in medical school years 1, 2 or 3, academic fellows will co-facilitate with an experienced faculty member in a teaching setting of each student’s choice – including: Doctoring 1, 2, or 3, or Clinical Applications of the Basic Sciences (CABS) or Microbiology and Immunology case studies. This teaching practicum will include participation in related faculty development sessions. Learning theory and teaching practices will be addressed in seminar series held on four evenings.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
N/A

INPATIENT: N/A%

OUTPATIENT: N/A%

CONSULTATION: N/A%

PRIMARY CARE: N/A%

CLOSE CONTACT WITH:
X 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

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<tr>
<td>AM</td>
<td>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&amp;I Case Studies: Fall Semester, Fridays, 10 am-12 n or 1-3pm</td>
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<tr>
<td>PM</td>
<td>Four evening seminars on teaching and learning</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: