In-Depth Location: CHS 1998-99

COURSE CHAIR: PHONE #:  
Rishab K. Gupta, Ph.D. (310)-449-5265

LEARNING OBJECTIVES (in order of importance)
1. To relate the laboratory results to clinical situations in cancer patients.
2. To provide an exposure to the laboratory research related to human cancer for students considering an academic research career.

SUPPORTING FACULTY:
Drs. R.F. Irie, D.S.B. Hoon, M.H. Karuturi, Z. Ferzad, M.H. Ravindranath, M. Cabot

STUDENT COORDINATOR: PHONE #:  
Rishab K. Gupta, Ph.D. (310)-449-5265

CREW TO: Rishab K. Gupta, M.D., John Wayne Cancer Institute, Rm 229, 2200 Santa Monica Blvd., CA 90404

PREREQUISITES: Immunology

AVAILABLE TO EXTERNS: yes

STUDENTS/PERIOD: max 4 min 1

DURATION: 4 - 6 weeks

1998-99 ELECTIVES BEGIN WEEKS:
By Arrangement

DESCRIPTION: Students will discuss research projects with faculty members involved in this elective. They will choose to work in one of the following areas of human tumor immunology: serology, detection of tumor-associated antigens in urine of cancer patients, quantitation of circulating immune complexes, cellular cytotoxicity, lymphokines, and hybridoma technology, molecular biology.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Test blood samples from cancer patients for the presence of tumor markers and correlating results with presence or absence of cancer (solid tumors particularly) in the body.

INPATIENT: NA%  
OUTPATIENT: NA%  
CONSULTATION: NA%  
PRIMARY CARE: NA%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
RESIDENTS
INTERNS
X OTHER Basic 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>
<th>Monday</th>
<th>Tuesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>Discussion and directed readings</td>
<td>Research</td>
<td>8:00 - 9:00 Clinical conference research</td>
<td>Research</td>
<td>Research</td>
</tr>
<tr>
<td>PM</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
</tr>
</tbody>
</table>

|             | 5:30 - 6:30 Research conference | Discussion |             |

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
LEARNING OBJECTIVES (in order of importance)
1. The practice on patients of clinical techniques to evaluate vestibular function
2. Emphasis on method of evaluation for differential diagnosis of vestibular disorders
3. Review of the physiopathological principles underlying the disorders of the vestibular system, including the physiological basis of transduction in the labyrinth organs
4. Review of the neuroanatomical pathways
5. Review of the characteristics of neural coding of motion by the nerve cells of the vestibulo-ocular reflex arc
6. Review of identification of the main vestibular reflexes

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Dizziness
2. Tinnitus
3. Hearing loss

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

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20-40
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 20-40

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<tbody>
<tr>
<td>AM</td>
<td>Neurology Clinic with Dr. Vicente Honrubia</td>
<td>Laboratory includes one or several of the following: Vestibular testing in patients: neuroanatomy of the vestibular system, hair cell regeneration</td>
<td>Research</td>
<td>Laboratory (see Tuesday AM)</td>
<td>Laboratory (see Tuesday AM) Research conference</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 Weekly Neurology Patient review (3:00 Laboratory staff meeting)</td>
<td>Laboratory (see Tuesday AM)</td>
<td>Head &amp; Neck Surgery conference schedule</td>
<td>Laboratory (see Tuesday AM)</td>
<td></td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
In-Depth Location: CHS 1998-99

LEARNING OBJECTIVES (in order of importance)
1. Interpretation of history from point of view of fluid and electrolyte management
2. Interpretation of basic tests and physical exam from point of view of acute F/E and A/B problems
3. Fluid and Electrolyte and Acid/Base Management and problem solving
4. Knowledge of F/E and A/B problems, resources, and procedures
5. Basic Science Foundations: review of the lung, kidney, and fluid spaces in acute management
6. Uses of computer-based systems
7. Oral presentations

DESCRIPTION: This course will deal with clinical aspects of F/E and A/B imbalance. We review methods for evaluating acute F/E and A/B problems and then design each a fluid management program for each unique patient. Assuming pre-clinical basic science, we will first review principles of fluid and electrolyte balance from a clinical view and then continue with problem analysis. Problem analysis may proceed at any level -- clinical, physiological, biochemical, mathematical, or computer modeling-- depending upon the interest and proclivities of the student. We will use computer-based simulation when applicable for analyzing losses and replacements of fluid and electrolyte and for treating acute patient problems.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Acute fluid and electrolyte
2. Acid-base problem management

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

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

APPROXIMATE # OF CASES EVALUATED EACH MONTH/STUDENT: 15-20
TOTAL # OF CASES EVALUATED EACH MONTH BY ENTIRE SERVICE: 25

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>10:00 – 12Noon Group meeting</td>
<td>Independent Study (Background review and computer intro learning resources division, library)</td>
<td>10:00 - 12Noon Group meeting</td>
<td>Independent study Individual and group problem solving</td>
<td>Independent study Individual and group problem solving</td>
</tr>
<tr>
<td>PM</td>
<td>Independent Study Individual Problem solving</td>
<td>Independent Study Individual Problem solving</td>
<td>Independent Study Individual and Optional group meeting</td>
<td>Independent Study Individual and Optional group meeting</td>
<td>Independent Study Individual and Optional group meeting</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: NOTE: All rotations begin on the 1st Tuesday of the 1st week. Following an introductory session, students will present analysis of selected cases in a seminar format. Students are assigned homework which they bring to class and present. A certain amount of material is covered; 18 cases are available and students are expected to do 12-14. All students receive feedback four times weekly. Faculty discusses current problems w/students at this time in great detail.
In-Depth  Location: REHAB  1998-99

COURSE CHAIR:  PHONE #:  LEARNING OBJECTIVES (in order of importance)
Marshall R. Urist, M.D.  (310)-825-6521  1.  To bridge the gap between the laboratory and the clinic.

SUPPORTING FACULTY:
Dr. Gerald Finerman, Dr. E.G. Dawson, Dr.J. Lieberman, Dr. E.E. Johnson

STUDENT COORDINATOR:  PHONE #:
Rita Sacks  (310)-825-6986

REPORT TO:  Marshall R. Urist, M.D., UCLA Bone Research Lab,
Room A3-34, 1000 Veteran Ave, at 9:00 AM.

PREREQUISITES:
AVAILABLE TO EXTERNS:  yes
STUDENTS / PERIOD:  max 3 min 1
DURATION:  8 weeks

1998-99 ELECTIVES BEGIN WEEKS:
By Arrangement

DESCRIPTION:  Students will participate in basic science research as applied to the problems of disease and disorders of the skeletal system. Students will isolate and assay the activity of native and recombinant Bone Morphogenetic Protein (BMP). The work will include observations on a neutral protease (BMPase) and a transplantation antigen consisting of a Bone Hydrophobic Polypeptide (BHGP). Students will implant BMP in mice and rats. The work will emphasize methodology, i.e., agarose gel filtration, ion exchange or affinity chromatography, continuous flow gel electrophoresis, tissue and cell cultures, immunoassay, and in situ hybridization. Opportunity for original research designs will be offered to qualified students.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
   1. Bone diseases of unknown etiology

   INPATIENT:  %  CLOSE CONTACT WITH:
   OUTPATIENT:  %  X  FULL TIME FACULTY
   CONSULTATION:  60%  CLINICAL FACULTY
   PRIMARY CARE:  40%  X  FELLOWS

   X  RESIDENTS
   X  INTERNS
   X  OTHER PhD’s

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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<tbody>
<tr>
<td>AM</td>
<td>11:00 – 12:00 Didactic teaching session</td>
<td>11:00 - 12:00 Didactic teaching session</td>
<td>11:00 - 12:00 Didactic teaching session</td>
<td>11:00 - 12:00 Didactic teaching session</td>
<td>11:00 - 12:00 Didactic teaching session</td>
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<tr>
<td>PM</td>
<td>Independent Research Project 6:00 - 7:00 Ward rounds and X-ray conf.</td>
<td>Independent Research Project 6:00 - 7:00 Ward rounds and X-ray conf.</td>
<td>Independent Research Project 6:00 - 7:00 Ward rounds and X-ray conf.</td>
<td>Independent Research Project 6:00 - 7:00 Ward rounds and X-ray conf.</td>
<td>Independent Research Project 6:00 - 7:00 Ward rounds and X-ray conf.</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  No on-call: yes weekend activities

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE CHAIR:  PHONE #:  
Helena R. Chang, M.D., Ph.D.  (310)-794-9515

SUPPORTING FACULTY:  
D. Hiyama, D. McFadden, M. Nguyen, P. Schmidt, R. Bennion

STUDENT COORDINATOR:  PHONE #:  
Sherriy Goldman  (310)-794-9515

REPORT TO:  
Call Breast Center - Mary @ 825-2144- to arrange start time

PREREQUISITES:  Surgery Clerkship

AVAILABLE TO EXTERNS:  yes

STUDENTS / PERIOD:  max 1 min 1

DURATION:  4 weeks

1998-99 ELECTIVES BEGIN WEEKS:  
1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49

DESCRIPTION:  The UCLA Breast Center has a comprehensive and multidisciplined program for women with all forms of breast problems. The diagnostic program is designed for evaluation of lumps, cysts, breast pain, nipple discharge and mammographic abnormalities. The high risk program enrolls women who have a family history of breast cancer or other factors which significantly increase their risk. The multidisciplinary program is for women who have a diagnosis of breast cancer or are at a major decision in their treatment.

LEARNING OBJECTIVES (in order of importance)  
1. Increase the knowledge of presentation, clinical evaluation, and appropriate treatment of diseases of the breast, including cancer, lumps, cysts, etc.
2. Provide emphasis on the surgical treatment of breast cancer, including preoperative, intraoperative, and postoperative decision making.
3. Improve understanding of the systemic treatment of breast cancer.
4. Increase the student’s knowledge of breast cancer screening.
5. Provide exposure to multidisciplinary clinics and conferences.
6. Increase the student’s confidence and ability to perform breast examination.
7. Provide interpretation of common radiologic studies used in the evaluation of breast disease.

STUDENT EXPERIENCES  
COMMON PROBLEMS/DISEASES  
1. Breast Cancer  
2. Breast Lumps  
3. Breast Cysts  
4. Mammographic Abnormalities  
5. Breast Pain  
6. Nipple Discharge  
7. Breast Reconstruction  
8. Breast Cancer Screening

INPATIENT:  10%  
OUTPATIENT:  90%  
CONSULTATION:  100%  
PRIMARY CARE:  
CLOSE CONTACT WITH:  
X FULL TIME FACULTY  
X CLINICAL FACULTY  
FELLOWS  
X RESIDENTS  
INTERNS  
X OTHER Nurse Practitioner

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  30 (2 per clinic)

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

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>8:30 - 12:00</td>
<td>7:30 - 12:00</td>
<td>8:30 - 12:00</td>
<td>7:30 - 12:00</td>
<td>8:30 - 12:00</td>
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<tr>
<td></td>
<td>Diagnostic Breast Clinic</td>
<td>Operating Room</td>
<td>Operating Room</td>
<td>Operating Room</td>
<td>Diagnostic Breast Clinic</td>
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<tr>
<td></td>
<td>12:00 - 5:00</td>
<td>1:00 - 4:00</td>
<td>12:00 - 5:00</td>
<td>12:00 - 5:00</td>
<td>12:00 - 5:00</td>
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<tr>
<td></td>
<td>Diagnostic Breast Clinic</td>
<td>Diagnostic Breast Program</td>
<td>Multidisciplinary Breast Program</td>
<td>Multidisciplinary Breast Program</td>
<td>Multidisciplinary Breast Program</td>
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<td></td>
<td>3:00 - 4:00</td>
<td>3:00 - 4:00</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
SU240.01  COMPREHENSIVE ONCOLOGY

Advanced Clinical Clerkship  Location: HARBOR  1998-99

COURSE CHAIR: Hernan Vargas, M.D.  PHONE #: (310) 222-6715

SUPPORTING FACULTY: Drs. J. Block, R. Chlebowski, P. Eubanks, S. French, S. Klein, H. Lin, B. Stabile, M. Stamos, M. Vargas, R. Venegas, S. Weinstein, & A. Zimmerman

STUDENT COORDINATOR: Juanita Navarette  PHONE #: (310) 222-2760

REPORT TO: Hernandez Vargas, Harbor-UCLA Medical Center, @ 8:00 am

PREREQUISITES: Medicine and Surgery, 3rd Year Clinical Clerkships

AVAILABLE TO EXTERNS: yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 4 weeks


DESCRIPTION: Our interest in organizing this course is based on the current multimodality approach to cancer patients. Recent advances in medical genetics, chemotherapy, surgery, and radiation therapy have changed the practice of oncology. It is essential now to have a broad view and comprehensive approach to the field of oncology and to oncology patients. It is in this light that we would like to offer a course where patients are seen as part of a multidisciplinary approach. Students will be exposed to patient care and discussions about a multidisciplinary approach to oncology. Also, evaluation of the current practice of oncology by participation in ongoing research protocols is encouraged.

COURSE OBJECTIVES (in order of importance)
1. Knowledge of the complexity of cancer diseases.
2. Understanding some of the new developments in molecular oncology and medical genetics.
3. History and physical exam skills relevant to oncology. Interpretation of CT scans, MRIs, and mammography. Learning to apply T.N.M. staging.
4. Learn to analyze available data in order to plan an appropriate treatment for oncology patients.
5. Involvement in the surgical care of cancer patients by participating in multiple operative procedures, including abdominal surgery, breast surgery, endocrine surgery, and soft tissue surgery.
6. Knowledge of the more commonly used chemotherapeutic drugs.
7. Knowledge of the performance of research in the oncology field, particularly in the evaluation of current oncology practice.
8. To appreciate and understand the doctor/patient relationship established between the doctor and the oncology patient.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Breast Cancer
2. Colon Cancer
3. Stomach Cancer
4. Soft Tissue Tumors
5. Melanoma
6. Endocrine Tumors

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

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 40-60
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 800 outpatients, 60 inpatients

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
<th>Hour</th>
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<th>Tuesday</th>
<th>Wednesday</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:00 Operating Room Surgical Oncology</td>
<td>8:00 Breast Oncology Clinic</td>
<td>8:00 Radiation Oncology 1. Implants 2. Clinic</td>
<td>8:00 O.R. Surgical Oncology</td>
<td>8:00 Medical Oncology Clinic</td>
</tr>
<tr>
<td>PM</td>
<td>Operating Room Breast Oncology</td>
<td>12:00 Breast Specific Tumor Board Cancer Genetics Review of Multidisciplinary Approach to Specific Tumors</td>
<td>12:00 General Tumor Board 2:00 General Surgical Oncology Clinic</td>
<td>O.R. Colorectal Surgery 2:00 Pathology Review</td>
<td>2:00 Review and Assessment of the Week</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Advanced Clinical Clerkship  

**Location:** HARBOR  

**1998-99**

**COURSE CHAIR:**  
Dr. Rinaldo Canalis  
(310)-222-2737

**LEARNING OBJECTIVES (in order of importance)**  
1. Practical exposure to clinical otolaryngology.  
2. Development of diagnostic skills and management of routine otolaryngological problems.  
3. Improve basic surgical skills by direct surgical exposure to major cases and by undertaking minor procedures under direct supervision.  
4. Improved understanding of the roles of audiology and speech pathology in the management of head and neck related problems.

**SUPPORTING FACULTY:**  
Eliot Abemayor, M.D., Ph.D., Joel Sercarz, M.D.

**STUDENT COORDINATOR:**  
Catalina Carreon  
(310)-222-2737

**REPORT TO:** Head and Neck Clinic - 8:30 Main Hospital - Second Floor, Room 2F6.

**PREREQUISITES:** Surgery

**AVAILABLE TO EXTERNS:** yes

**STUDENTS / PERIOD:** max 3 min 1

**DURATION:** 2,4 weeks

**1998-99 ELECTIVES BEGIN WEEKS:**  
1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,

**DESCRIPTION:** The student will be able to see and evaluate, under direct supervision of both the housestaff and faculty, a large variety of ENT problems. The service is very active. Conferences are held on Wednesdays. Grand Rounds at Harbor are followed by the Head and Neck Professor’s conference and the Otological conference at UCLA.

**COMMON PROBLEMS/DISEASES**

<table>
<thead>
<tr>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>CLOSE CONTACT WITH:</th>
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<tbody>
<tr>
<td>0%</td>
<td>100%</td>
<td>X FULL TIME FACULTY</td>
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<td>X CLINICAL FACULTY</td>
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<tr>
<td></td>
<td>10%</td>
<td>FELLOWS</td>
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<tr>
<td></td>
<td>90%</td>
<td>RESIDENTS</td>
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<td>OTHER</td>
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</table>

**STUDENT EXPERIENCES**

<table>
<thead>
<tr>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>CONSULTATION:</th>
<th>PRIMARY CARE:</th>
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<tbody>
<tr>
<td>0%</td>
<td>100%</td>
<td>10%</td>
<td>90%</td>
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</table>

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 100

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 450

**TYPICAL WEEKLY SCHEDULE**

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<thead>
<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>7:30 Rounds</td>
<td>7:30 Rounds</td>
<td>7:30 Rounds</td>
<td>7:30 Grand Rounds</td>
<td>7:30 Rounds</td>
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<tr>
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<td>9:00 - 10:00 Audiology</td>
<td>9:00 - 10:00 O.R.</td>
<td>9:00 - 10:00 Problems conference special lecture</td>
<td>9:00 - 10:00 O.R.</td>
<td>9:00 - 10:00 Clinic</td>
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<td></td>
<td>10:00 – 12:00 Clinic</td>
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<tr>
<td>PM</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Tumor Board - UCLA Otological Conference</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Clinic</td>
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<td></td>
<td>4:30 Rounds</td>
<td>4:30 Rounds</td>
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**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:**

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** For 4-week course, list 2 consecutive time blocks in an Inclusion Group.
LEARNING OBJECTIVES (in order of importance)
1. Knowledge of hearing loss and its measurement.
2. Knowledge of strengths, weaknesses, and limitations of basic and advanced procedures.
4. Knowledge of brainstem and central auditory structures and electrodiagnostic evaluation of their function.
5. Knowledge of criteria and techniques for neonatal health evaluation.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Conductive hearing
2. Sensory-neural hearing losses
3. Middle-ear disease
4. Otoxicity
5. Vestibular dysfunction

INPATIENT: 20%
OUTPATIENT: 80%
CONSULTATION: 15%
PRIMARY CARE: 85%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 15
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 75

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<th>Wednesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:00 Discussion</td>
<td>8:00 Discussion</td>
<td>8:00 Otolaryngology conference</td>
<td>8:00 Discussion</td>
<td>8:00 Discussion</td>
</tr>
<tr>
<td></td>
<td>10:00 Otolaryngology Grand Rounds</td>
<td></td>
<td>Electrodiagnostic Laboratory</td>
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<td>Electrodiagnostic Laboratory</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 Audiology clinic</td>
<td>1:00 Electrodiagnostic laboratory</td>
<td>1:00 Patient care</td>
<td>1:00 Audiology clinic</td>
<td>1:00 Audiology clinic</td>
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<tr>
<td></td>
<td>3:00 Review/Discussion</td>
<td>3:00 Review/Discussion</td>
<td>3:00 Review/Discussion</td>
<td>3:00 Review/Discussion</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Advanced Clerkship  

**COURSE CHAIR:**  
Dan J. Castro, M.D.  
**PHONE #:** (818)364-1555, ext 6221

**SUPPORTING FACULTY:**  
Akira Ichiyama, M.D., & Marc Kerner, M.D.

**STUDENT COORDINATOR:**  
Ed Carron  
**PHONE #:** (818)364-3194

**REPORT TO:**  
Judy Cruz, Olive View Med. Ctr. - Dept. of Surgery, Rm 2B156 at 8:00 am

**PREREQUISITES:**  
Surgery

**AVAILABLE TO EXTERNS:**  
yes

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

**DURATION:**  
2 weeks

**1998-99 ELECTIVES BEGIN WEEKS:**  
1,3,5,7,9,11,13,15,17,19,21,23,25,27,29.

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

1. Knowledge of frequently encountered disorders of the head & neck, including congenital anomalies, infections, & neoplasms.

2. Thorough evaluation of patients w/head & neck diseases, including pertinent history & complete examination of the head & neck. Instruction in the use of head mirror, fiberoptic endoscopes, & microscopic otoscopy.

3. Appropriate work-up, diagnosis, & treatment of patients with cancer of the head & neck.

4. Interpretation of basic head & neck X-Ray studies, audiograms, common microbiology lab results, & pathology.

5. Participation in surgical cases as an integral part of the operating team. Knowledge of basic techniques of direct laryngoscopy, wound closure, & knot-tying. Observation of a variety of operations performed by the head & neck surgery team during the clerkship.

6. Medical record keeping.

7. Knowledge of commonly used antibiotics, allergy medications, ear preps & other meds. often used in head & neck disorders.

**DESCRIPTION:**  
The Head and Neck Surgery service at OVH-Medical Center has a busy outpatient clinic as well as OR schedule. Consultations are also done from all services in the hospital. A variety of disorders are seen, ranging from common ear, nose, and throat diseases to rare tumors and infections. Emphasis is placed on learning to perform a complete head and neck evaluation and examination through the use of head mirrors and fiberoptic scopes. Teaching conferences with Rad. & Path. are held.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

1. Tonsillitis
2. Otitis media and externa
3. Hearing loss
4. Sinusitis, acute and chronic
5. Allergic rhinitis
6. Epistaxis
7. Cancer of head and neck
8. Facial trauma, plastic and reconstructive

**INPATIENT:** 10%  
**OUTPATIENT:** 90%  
**CONSULTATION:** 75%  
**PRIMARY CARE:** 25%  

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

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 50  
**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 500

**TYPICAL WEEKLY SCHEDULE**

<table>
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<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:00-12:00 ENT Clinic</td>
<td>8:00-12:00 ENT Clinic and/or Operating Room</td>
<td>8:00-10:00 ENT Clinic</td>
<td>8:00-12:00 ENT Clinic and/or Operating Room</td>
<td>8:00-12:00 ENT Clinic and/or Operating Room</td>
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<tr>
<td></td>
<td>10:00-11:00 Teaching conference radiology or pathology</td>
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<tr>
<td>PM</td>
<td>1:00-5:00 Operating Room; inpatient and consult Rounds</td>
<td>1:00-4:00 Operating Room</td>
<td>1:00-3:00 Tumor Board, UCLA 200 Medical Plaza Ste. 550</td>
<td>1:00-5:00 Clinic and/or minor procedure room; inpatient and consults Rounds</td>
<td>1:00-4:00 Operating Room</td>
</tr>
<tr>
<td></td>
<td>4:00-5:00 Attending Rounds</td>
<td></td>
<td>3:00-5:00 Basic Science Lecture series, CHS</td>
<td></td>
<td>4:00-5:00 Attending Rounds</td>
</tr>
</tbody>
</table>

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

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** This clerkship provides an outstanding opportunity for the interested student to evaluate and manage a wide variety of head and neck disorders. The county population served by OVH-UCLA Medical Center manifests both common disease (ear, sinus infections, tonsillitis) and unusual tumors (parotid neoplasms, cancer of the aerodigestive tract, congenital anomalies). There are only 2 head and neck residents assigned to this hospital so there is ample opportunity for students to participate actively in both the clinic and the O.R. This course will be useful for students interested in pursuing both.
Advanced Clerkship  
Location: ASSOC (S.M. Hoeftlin Office)  

**COURSE CHAIR:** Steven M. Hoeftlin, M.D., F.A.C.S.  
**PHONE #:** (310) 451-4733

**SUPPORTING FACULTY:**

**STUDENT COORDINATOR:** Marilyn Irwin  
**PHONE #:** (310) 451-4733

**REPORT TO:** Dr. Hoeftlin, The Hoeftlin Bldg., 1530 Arizona Ave, Santa Monica @ 9:00 am

**PREREQUISITES:** Medicine and Surgery

**AVAILABLE TO EXTERN:** Yes

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

**DURATION:** 4-6 weeks

**1998-99 ELECTIVES BEGIN WEEKS:** 1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51.

**COURSE OBJECTIVES (in order of importance)**
1. To learn basic wound care skills
2. To learn basic suturing techniques
3. To observe a large private plastic surgical office setting and coordination of a 26-member healthcare team of plastics nursing, anesthesia, surgical, fellows, secretarial staff, and O.R., and to be a part of that team.
4. To learn the proper preoperative preparation of a patient, especially emotional as well as physical.
5. To learn the factors in providing patients with an enjoyable anesthesia and surgical experience.
6. To learn to eliminate pain both during and after surgery with the proper use of local anesthesia and nerve blocks
7. To learn proper intraoperative care of patients (warming fluids, anesthesia techniques, postop care, etc.)
8. To learn clinical photography techniques
9. To complete at least one clinical paper in a voluminous publication setting
10. Time for reading and research
11. Utilization of health care team
12. Cost effectiveness

**DESCRIPTION:** Students will learn assessment and management of patients in a plastic surgery office surgical facility setting.

**STUDENT EXPERIENCES**

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Facial Dermatochalasis</td>
<td>0%</td>
<td>100%</td>
<td>X FULL TIME FACULTY</td>
</tr>
<tr>
<td>2. Bilateral Blepharochalasis</td>
<td>CONSULTATION: 10%</td>
<td>PRIMARY CARE: 90%</td>
<td>CLINICAL FACULTY</td>
</tr>
<tr>
<td>3. Lipomatosis, various sites</td>
<td></td>
<td></td>
<td>FELLOWS</td>
</tr>
<tr>
<td>4. Mastodynia, Micromastia</td>
<td></td>
<td></td>
<td>RESIDENTS</td>
</tr>
<tr>
<td>5. Caring for preop prep. of elective patients</td>
<td></td>
<td></td>
<td>INTERNS</td>
</tr>
<tr>
<td>6. Treating common intraoperative problems</td>
<td></td>
<td></td>
<td>OTHER</td>
</tr>
<tr>
<td>7. Managing wound care and scarring problems</td>
<td></td>
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<tr>
<td>8. Optimizing patient’s total experience</td>
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</tbody>
</table>

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 50-100

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 50-100

**TYPICAL WEEKLY SCHEDULE**

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<tbody>
<tr>
<td>AM</td>
<td>8:00 - 12:00 Operating Room</td>
<td>8:00 - 12:00 Patient Consultations</td>
<td>8:00 - 12:00 Operating Room</td>
<td>8:00 - 12:00 Patient Consultations</td>
<td>8:00 - 12:00 Operating Room</td>
</tr>
<tr>
<td>PM</td>
<td>12:00 - 5:00 Operating Room</td>
<td>1:00 - 4:00 Patient Consultations</td>
<td>12:00 - 3:00 Operating Room</td>
<td>1:00 - 5:00 Operating Room</td>
<td>12:00 - 3:00 Operating Room</td>
</tr>
</tbody>
</table>

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

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:**
COURSE CHAIR: Michael B. Strauss, M.D (562)-933-6951
SUPPORTING FACULTY: George B. Hart, M.D., F.A.C.S., Robert C. Borer, Jr., M.D.
STUDENT COORDINATOR: Celia Loney (562)-933-6951

LEARNING OBJECTIVES (in order of importance)
1. Recognize the indications for, complications of, hazards of, and contraindications to hyperbaric oxygen (HBO).
2. Understand the application of and time for HBO in life and limb treating diseases.
3. Learn the optimal management of complex wounds.
4. Continue to develop skills in acquiring and recording history and physical examinations, progress notes, and procedures with special emphasis on the baromedical evaluation.
5. Understand the gas laws and physiology of oxygen, nitrogen, carbon dioxide, and carbon monoxide.
6. Learn the pharmacological effects of HBO and which drugs are antagonistic or synergistic with HBO.
7. Gain an understanding of diving medical conditions.
8. Demonstrate knowledge and hands on operation of a hyperbaric chamber with adaptation of physiological monitoring and life support systems.

DESCRIPTION: Long Beach Memorial Medical Center's Baromedical Department has five monoplace hyperbaric chambers, three of which are adapted to support the critically ill patient. The Department treats 200-350 patients per year and carries ongoing projects in clinical and basic research in hyperbaric oxygen therapy. Students are expected to be knowledgeable in medicine, surgery, physiology, and bacteriology. They will assist in the management of critically ill patient as well as those suffering from chronic disorders, especially non-healing wounds.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Non-healing wounds, osteomyelitis
2. Carbon monoxide poisoning
3. Burns and compromised flaps
4. Radiation injuries
5. Crush injuries, compartment syndrome
6. Neurological disorders
7. Diving accidents

INPATIENT: 70%
OUTPATIENT: 30%
CONSULTATION: 80%
PRIMARY CARE: 20%

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 15-25
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 30-50

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:00 Report in 10:00 Entrance Interview &amp; Objectives Rounds (Patient Allocation) 11:00 Research/ Project Meeting</td>
<td>7:30 HBO/Wound care Rounds Tutorial: (Osteomyelitis) Noon: Surgery Grand Rounds</td>
<td>8:00 Orthopaedic Rounds (H/UCLA MC) Patient review and service report Preceptorship (Outpatient wound care)</td>
<td>8:00 Work Rounds Patient review and service report Preceptorship (Outpatient wound care &amp; HBO)</td>
<td>8:00 Pediatric Grand Rounds Patient review and service report Mini-Rounds Tutorial: (Infections) Noon: Lunch meeting</td>
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<td></td>
<td>1:00 Tutorial: (HBO indications and side effects) 2:00 Preceptorship (Outpatient wound care and HBO)</td>
<td>1:00 Tutorial: (Crush injury) 2:00 Reading, work Rounds, research projects</td>
<td>1:00 Tutorial: (Complicated wounds) 2:00 Visitation: Dr. Borer's Lab 3:00 Reading, work Rounds, Research Projects</td>
<td>Surgery, reading, research or work Rounds Tutorial: (CO Poisoning, Neuro conditions)</td>
<td>Tutorial: (Diving Medicine) Reading, Work Rounds, research, projects; Exit Interviews</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES
Elective or call for the student's special interest(s), e.g. carbon monoxide poisoning, diving accidents.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Grand Rounds are held weekly on Tuesday mornings. They expose students to a multidisciplinary approach to wound care and the other uses of hyperbaric oxygen. There are opportunities for both clinical and basic research in this field. Those interested in such projects should contact the department prior to rotation in order to make the best use of their time. Attempts are made to schedule the clerkship with our quarterly Orientation Course in Hyperbaric Medicine.
**SU310.01 CARDIOTHORACIC SURGERY**

**Subinternship**

**Location:** KDMC  
**1998-99**

**COURSE CHAIR:** Ashis K. Mandal, M.D  
**PHONE #:** (310)-668-4538

**LEARNING OBJECTIVES (in order of importance)**
1. Clinical skills - Students will be able to view and participate in the diagnosis of current hospital patients.
2. Interpretation of tests such as chest x-rays, angiograms, cardiac catheterization, data and physiologic monitoring, etc.
3. Knowledge of pathogenesis, orderly investigation differential diagnosis, and management of disease processes such as pericarditis, bronchogenic carcinoma, chest trauma, esophagitis, mediastinal tumors, diaphragm, etc.

**SUPPORTING FACULTY:** Arthur Fleming, M.D.

**STUDENT COORDINATOR:** Charvette Pilchier  
**PHONE #:** (310)-668-4538

**REPORT TO:**  
Dept. of Surgery (Cardiothoracic), King Drew Medical Center,

**PREREQUISITES:**  
Surgery and Medicine Clerkships

**AVAILABLE TO EXTERNS:** No

**STUDENTS / PERIOD:** max 1 min 0

**DURATION:** 2 weeks

**1998-99 ELECTIVES BEGIN WEEKS:**  
By Arrangement

**DESCRIPTION:** This elective allows the medical student to evaluate and to recognize proper sequence of procedures and management of chest trauma. In addition, the students will be exposed to some of the general Thoracic Surgery clinical topics. They will be closely supervised by the resident and attending. There will be ample opportunities for library work and learning will be reinforced by learning modules, tutorials, and clinical sessions.

**STUDENT EXPERIENCES**

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>CONSULTATION:</th>
<th>PRIMARY CARE:</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Penetrating &amp; blunt chest trauma</td>
<td>70%</td>
<td>30%</td>
<td>10%</td>
<td>90%</td>
<td>X FULL TIME FACULTY</td>
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<tr>
<td>2. Empyema</td>
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<td>X CLINICAL FACULTY</td>
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<tr>
<td>3. Spontaneous pneumothorax</td>
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<td>X FELLOWS</td>
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<tr>
<td>4. Esophageal carcinoma</td>
<td></td>
<td></td>
<td>X RESIDENTS</td>
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<tr>
<td>5. Cardiac injuries</td>
<td></td>
<td></td>
<td>INTERNS</td>
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<td>OTHER</td>
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**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 20

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 30-40

**TYPICAL WEEKLY SCHEDULE**

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<tr>
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<tbody>
<tr>
<td>AM</td>
<td>Morning reports</td>
<td>Morning reports</td>
<td>Morning reports</td>
<td>Morning reports</td>
<td>Surgery Grand Rounds</td>
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<td>Work Rounds</td>
<td>Work Rounds</td>
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<td></td>
<td>O.R.</td>
<td>O.R.</td>
<td>O.R.</td>
<td>O.R.</td>
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<tr>
<td>PM</td>
<td>Joint chest conference</td>
<td>Staff &amp; X-ray Rounds</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Thoracic Surgery clinic</td>
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<tr>
<td></td>
<td>Staff &amp; X-ray</td>
<td>Thoracic Surgery clinic</td>
<td>Joint cath. conference</td>
<td>Thoracic Surgery clinic</td>
<td>Staff &amp; X-ray Rounds</td>
</tr>
</tbody>
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**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** Students will make Rounds with attending staff on Saturday and will attend the Thoracic Surgery Conference at UCLA. Night and weekend call is optional.

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Students will get excellent exposure to chest trauma and become proficient in management of penetrating and blunt chest trauma. On-call every third night.
LEARNING OBJECTIVES (in order of importance)
1. Ability to perform a thorough evaluation of the traumatized and emergency patient, to establish priorities of management.
2. Patient evaluation and pre- and post-operative management.
3. Perform initial and follow-up outpatient evaluation.
4. Demonstration of proper knowledge of important aspects of diagnosis and operative procedures on patients personally evaluated.
5. Demonstration of proficiency for the diagnosis and management of common emergency surgical problem.

PREREQUISITES: Medicine and Surgery

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 4 min 1

DURATION: 4 weeks

1998-99 ELECTIVES BEGIN WEEKS: By Arrangement

DESCRIPTION:

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Multiple trauma
2. Gunshot wounds and stab wounds
3. Blunt abdominal trauma
4. Appendicitis
5. Perforated ulcer
6. Acute cholecystitis
7. Intestinal obstruction

INPATIENT: 80%
OUTPATIENT: 20%
CONSULTATION: 10%
PRIMARY CARE: 90%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER Physician Assistants

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 30
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 300

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<tbody>
<tr>
<td>AM</td>
<td>6:00 Ward Rounds w/ 7:00 Morning report rm. 1053 MLK------------------</td>
<td>Resident team-------------</td>
<td>---------</td>
<td>8:00 - 11:00 Ward MS Primary Care Clinic or Ward responsibilities</td>
<td>MS Primary Care Clinic or Ward responsibilities</td>
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<td></td>
<td>8:00 - 11:00 Ward MS Primary Care Clinic or Ward responsibilities</td>
<td>MS Primary Care Clinic or Ward responsibilities</td>
<td>12:00 Lunch</td>
<td>Tutorial rm 3006 MLK 2:00 Ward responsibility</td>
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<tr>
<td>PM</td>
<td>12:00 Lunch</td>
<td>1:00 - 4:00 Ward responsibilities</td>
<td>Journal Club 3006 MLK (Every 3rd Wed.)</td>
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<td></td>
<td>5:00 - 6:00 Anatomy rm. 1053 MLK</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: On call 2 nights/week as integral part of a general surgery trauma team.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: In a County Hospital environment, this rotation will highlight trauma care and emergency surgical problems of the socio-economically disadvantaged people.
SU320.02 INTRODUCTION TO TRAUMA PATIENT MANAGEMENT

COURSE CHAIR:  
Stanley Klein, M.D.  
PHONE #:  (310)-222-2795

SUPPORTING FACULTY:  
Marianne Gausche, M.D.

STUDENT COORDINATOR:  
Teresa Scanlon  
PHONE #:  (310)-222-2795

REPORT TO:  
Harbor-UCLA Main Unit, 3rd floor, Room 36, 0800 on 1st day.

AVAILABLE TO EXTERNs:  yes

STUDENTS / PERIOD:  max 2 min 1

DURATION:  4 weeks

1998-99 ELECTIVES BEGIN WEEKS:  
1,5,9,13,17,21,25,29,33,37,41,45,49.

DESCRIPTION:  
This elective will give the student the opportunity to study all phases of care for the injured patient. There will be exposure to the prehospital phase by working in the field with paramedics and analyzing patient management at several conferences. Concomitantly the student will be assigned to the Orange (Trauma) Surgery Service to assist in the management of patients during their in-hospital phase. Course didactic material will emphasize principles outlined in the Advanced Trauma Life Support (ATLS) manual. During the course and the rotation, the student will attend several weekly conferences where the care and outcome of patient management is reviewed.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Blunt traumatic injury
2. Motor vehicular accidents
3. Falls
4. Penetrating injury
5. Gunshot wounds
6. Stab wounds

INPATIENT:  80%  
OUTPATIENT:  20%

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

CONSULTATION:  %
PRIMARY CARE:  100%

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  20-25
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  40-50

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Morbidity Conference</td>
<td>Rounds</td>
<td>Rounds</td>
</tr>
<tr>
<td></td>
<td>Clinical work</td>
<td>Trauma Call</td>
<td>Rounds</td>
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<td></td>
<td></td>
<td>Critical Care Conference</td>
<td></td>
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<tr>
<td>PM</td>
<td>Paramedic tape review</td>
<td>Clinical work</td>
<td>Paramedic ride along</td>
<td>Clinical work</td>
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<tr>
<td></td>
<td>Paramedic ride along</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  Will follow in-patients and be on-call as scheduled. Paramedic ride along will include weekend activity.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  None.

LEARNING OBJECTIVES (in order of importance)
1. Ability to perform a thorough evaluation of the traumatized and emergency patient; to establish priorities of management.
2. To increase knowledge and skills in patient evaluation and pre- and post-operative management.
3. Demonstration of proficiency for the diagnosis and management of the multiply injured patient.
4. Learn to evaluate the injured patient in the pre-hospital setting. This includes triage of the patient to the inpatient phase of care.
5. Students will learn the concepts stated in Advanced Trauma Life Support from the American College of Surgeons Committee on Trauma
6. 
7.
LEARNING OBJECTIVES (in order of importance)
1. Become knowledgeable as to the pathogenesis, diagnosis, and treatment of malnutrition secondary to other illnesses (e.g., inflammatory bowel disease, gastrointestinal cancer, short bowel syndrome).
2. Observe techniques for establishing intravenous and enteral access (i.e., central venous access, endoscopic and radiologic gastrostomies, surgical gastrostomies, and jejunostomies).
3. Study the bases of nutritional and metabolic abnormalities.
4. Assess malnutrition by dietary history and physical exam.
5. Interpret clinical and biochemical information to formulate solutions for enteral and parenteral nutrition.
7. Perform library research and literature review and give oral presentations on selected topics in nutritional support.
8. Participate in ongoing projects of clinical investigation.

DESCRIPTION: This course offers the opportunity to observe and treat a wide variety of major illnesses that require nutritional support. The student will be expected to actively participate in establishing intravenous and enteral accesses for nutritional formulas and monitor patients on nutritional support.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Crohn’s disease
2. Ulcerative colitis
3. Enterocutaneous fistulas
4. Short bowel syndrome
5. Postgastrectomy syndromes
6. Esophageal motor disorders
7. Organ failure syndromes
8. Complications of bariatric surgery

INPATIENT: 10%
OUTPATIENT: 90%
CONSULTATION: 20%
PRIMARY CARE: 80%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER Clinical dietitian, Nurse specialists

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

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>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:00 - 4:00 Surgical and endoscopic procedures for nutritional disorders</td>
<td>8:00 - 12:00 Surgical nutrition clinic</td>
<td></td>
<td>10:00 - 12:00 Topic Discussion</td>
<td></td>
</tr>
<tr>
<td>PM</td>
<td>5:00 - 6:00 Surgical GI conference</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Evenings on call with surgical residents during weekdays after surgical procedures for nutritional disorder (optional).

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: On Mondays, students have the option of going to the Olive View-UCLA to follow the schedule as outlined above or remaining at CHS to work on ward consults and independent study.
**SU350.02  GENERAL SURGERY**

**Subinternship**

**Location:** OVH  
1998-99

**COURSE CHAIR:** Jesse E. Thompson, M.D.  
**PHONE #:** (818)-364-3194

**SUPPORTING FACULTY:** Robert Bennion, M.D., Lionel Zuckerbraun, M.D., Paul Schmit, M.D., Darryl Hiyama, M.D., C. Chandler, M.D., Anthony Shaw, M.D.

**STUDENT COORDINATOR:** Ed Carron  
**PHONE #:** (818)-364-3194

**REPORT TO:** Olive View Medical Center, Dept. of Surgery, 14445 Olive View Dr., Sylmar, CA 91342, Rm 2B156.

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

1. Management and evaluation and therapy of common surgical problems and diseases.
2. Improvement of surgical judgment and evaluation of indications for surgery.
3. Knowledge of appendicitis, cholelithiasis, breast masses, thyroid masses, atherosclerosis, GI problems in both adults and children.
4. Technical training in minor surgical procedures, handling of tissue, intubation, sigmoidoscopy.

**PREREQUISITES:** Medicine, Surgery

**AVAILABLE TO EXTERNS:** yes

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

**DURATION:** 4 weeks

**1998-99 ELECTIVES BEGIN WEEKS:**  
1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49

**DESCRIPTION:** This elective is on a very busy general surgery service in a county hospital setting. All aspects of general surgery including pediatric, vascular, and thoracic are included in the patient base. This course is designed for the student interested in a career in surgery or family practice who desires further exposure to fundamental surgical problems. The course will be tailored to meet each individual student’s goals, expectations, and plans.

**STUDENT EXPERIENCES**

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT:</th>
<th>50%</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Appendicitis</td>
<td></td>
<td></td>
<td>X FULL TIME FACULTY</td>
</tr>
<tr>
<td>2. Cholelithiasis</td>
<td></td>
<td></td>
<td>X CLINICAL FACULTY</td>
</tr>
<tr>
<td>3. Acute abdomen</td>
<td></td>
<td></td>
<td>X FELLOWS</td>
</tr>
<tr>
<td>4. Rectal, colon</td>
<td></td>
<td></td>
<td>X RESIDENTS</td>
</tr>
<tr>
<td>5. Pediatric problems</td>
<td></td>
<td></td>
<td>OTHER</td>
</tr>
<tr>
<td>6. Claudication</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>7. Breast masses</td>
<td></td>
<td></td>
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<tr>
<td>8. Trauma</td>
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</tbody>
</table>

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:**  
70

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:**  
700

**TYPICAL WEEKLY SCHEDULE**

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<tbody>
<tr>
<td></td>
<td>7:30-12:00 O.R. or Pediatric surgery clinic</td>
<td>7:30 Patient Management conf.</td>
<td>7:30-4:00 O.R.</td>
<td>10:00 Tutorial or Independent study</td>
<td>7:30-3:00 O.R.</td>
</tr>
<tr>
<td></td>
<td>9:00-12:00 clinic</td>
<td>12:00 Faculty Lecture</td>
<td></td>
<td>12:00-1:00 GI conf. (alternate)</td>
<td></td>
</tr>
<tr>
<td>PM</td>
<td>1:00-4:00 clinic</td>
<td>1:00-4:00 Breast clinic</td>
<td>3:00-4:00 Chest conf. (alternate)</td>
<td>1:00-2:00 Tumor Board</td>
<td>Independent study or O.R.</td>
</tr>
</tbody>
</table>

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** Flexible

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** The Surgical Service provides a spectrum of opportunities in General, Pediatric, Vascular, and Thoracic Surgery, and the student is encouraged to utilize any and/or all aspects of the service to make this rotation meaningful and pertinent to his/her ultimate career plans. Regularly scheduled conferences, Rounds, lectures and tutorials are available to supplement the clinical exposure.
COURSE CHAIR: Donald P. Becker, M.D  
PHONE #: (310)-206-8093

SUPPORTING FACULTY:
Drs. Batzdorf, Hovda, Fried, Martin, Frazee DeSalle, McBride, Vespa, Mathern, Kelly, Bergsneider, Johnson, Filler, Rubino, Lazareff

STUDENT COORDINATOR: Patricia Macdonald  
PHONE #: (310)-206-8093

REPORT TO: 7W ICU @ 6:00 AM.

AVAILABLE TO EXTERNALS: yes

PREREQUISITES: Medicine, Surgery, Radiology

STUDENTS / PERIOD: max 2 min 1

DURATION: 4 weeks

1998-99 ELECTIVES BEGIN WEEKS:
By Arrangement

LEARNING OBJECTIVES (in order of importance)
1. Acquisition of knowledge of neurosurgical conditions expanded beyond the core clerkship exposure.
2. Improvement in the assessment of neurosurgical problems.
3. Development of understanding of surgical treatment of neurological disease, including pain.
5. Familiarity with diagnostic armamentarium.
6. Understanding of risks and complications of neurosurgical procedures.
7. Training in pre- and post-operative care with emphasis upon common problems.
8. Preparation of short scientific presentations, both written and oral.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Spinal degenerative joint disease
2. Intracranial masses
3. Pain problems
4. CNS trauma
5. Congenital defects
6. Hydrocephalus
7. Intracranial vascular disease

INPATIENT: 70%
OUTPATIENT: 30%
CONSULTATION: 0%
PRIMARY CARE: 0%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 15-20
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 175+

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>6:00 - 7:00 Rounds</td>
<td>6:00 - 7:00 Rounds</td>
<td>6:00 - 7:00 Rounds</td>
<td>6:00 - 7:00 Rounds</td>
<td>6:00 - 7:00 Rounds</td>
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<tr>
<td></td>
<td>10:00 - 11:00 Brain tumor board 200MP, B2 conf. room</td>
<td>7:15 Division mtg; Surgery grand rds**</td>
<td>7.15 Division mtg; Surgery grand rds**</td>
<td>6:00 Rounds</td>
<td>6:00 Rounds</td>
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<tr>
<td></td>
<td>Noon - Journal Club</td>
<td>1:00 - 4:00 Resident’s clinic 300 MP, B200</td>
<td>4:00 - 6:00 Neurosurgery/Neuroradiology conference; 6:00 Rounds</td>
<td>4:00 - 6:00 Neurovascular conf. Radiology reading room, B level CHS</td>
<td>6:00 Rounds</td>
</tr>
<tr>
<td></td>
<td>1:00 - 3:00 Neuromuscular conf. room 18-126 BRI; 4:00 - 6:00 Brain slicing rm. 18-126 BRI; 6:00 Rounds</td>
<td>1:00 - 4:00 Resident’s conf. room 18-126 BRI</td>
<td>5:30 pituitary Conf. 1x month 6:00 Rounds</td>
<td>5:30 pituitary Conf. 1x month 6:00 Rounds</td>
<td>6:00 Rounds</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: On-call every 3rd- 4th day. Saturday and Sunday 6:15 -7:00a.m. and 6:00 - 7:30 p.m. Rounds in addition to 9:30 Resident’s conf. Saturdays 1S conf. room.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: *M & M conf 2nd Wed of every month, 1S conf. room;
**Surgery grand rds 73-105 CHS; ***Neurosurgery/Radiology grand Rounds Bauer Classroom
SUBINTERNSHIP

LOCATION: HARBOR

1998-99

COURSE CHAIR:
Duncan Q. McBride, M.D
PHONE #: (310)-222-2754

SUPPORTING FACULTY:
UCLA Neurosurgery Faculty

STUDENT COORDINATOR:
Lucia Miller
PHONE #: (310)-222-2754

LEARNING OBJECTIVES (in order of importance):
1. Perform adequate neurological examination.
2. Formulate plan for treatment in patients with acute neurological disease.
3. Learn indications for and basic interpretations of specialized neuroradiological procedures.
4. Learn pre-operative, postoperative, and intra-operative care.

REPORT TO:
Chief Resident, Main Building, 6th West, 6:30 AM.

PREREQUISITES: Surgery, Neurology, Medicine

AVAILABLE TO EXterns: yes

STUDENTS / PERIOD: max 1 min 1

DURATION: 4 weeks

1998-99 ELECTIVES BEGIN WEEKS:
1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49.

DESCRIPTION:

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Head Injury
2. Subarachnoid Hemorrhage
3. Spine Injury
4. Cerebrovascular disease
5. Brain Tumors
6. Nervous System Infections

INPATIENT: 75%
OUTPATIENT: 25%
CONSULTATION: 20%
PRIMARY CARE: 80%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 30-60
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 40-80

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>6:30 - 8 Ward Rounds</td>
<td>6:30 - 8 Ward Rounds</td>
<td>7 - 8:30 Ward Rounds</td>
<td>6:30 - 8 Ward Rounds</td>
<td>8 - 9 Neuroradiology Conference</td>
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<tr>
<td></td>
<td>8 - 1 Operating Room</td>
<td>8 - 1 Operating Room</td>
<td>8:30 - 10 Patient</td>
<td>8 - 1 Operating Room</td>
<td>9 -11 Neurology/ Neurosurgery Conf.</td>
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<td></td>
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<td></td>
<td>Evaluations</td>
<td></td>
<td>11-12 Neuropathology Conference</td>
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<tr>
<td>PM</td>
<td>1 - 4 Work up of new</td>
<td>1 - 3 Work up of new</td>
<td>4 - 6 Neurosurgery</td>
<td>1 - 4 Neurosurgery</td>
<td>1:00 Attending</td>
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<tr>
<td></td>
<td>Admissions</td>
<td>Admissions</td>
<td>Conference UCLA</td>
<td>Clinic</td>
<td>Lecture/Rounds</td>
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<td></td>
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<td></td>
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<td></td>
<td>HELD SATURDAY (once a month)</td>
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<tr>
<td></td>
<td>4 - 6 Attending Rounds</td>
<td>4 - 6 Evening Rounds</td>
<td>4 - 6 Attending rounds</td>
<td>4:30 - 6 Attending Rounds</td>
<td>UCLA CHS</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: On-call every 3rd day and night along with neurosurgery resident. Saturday and Sunday Neurosurgery Rounds, 9:00 - 11:00 a.m.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
LEARNING OBJECTIVES (in order of importance)
1. To provide experience/knowledge of out-patient and in-patient pediatric surgical care.
2. Knowledge of pediatric pre- and post-operative care of most common and important disorders including: anomalies of the inguinal canal, newborn malformations, gastrointestinal disorders, neoplasms, and a variety of thoracic disorders.
3. Knowledge of clinical background and physical examination.
4. Knowledge of appropriate diagnostic techniques.
5. Knowledge of pediatric operative management of most common disorders.
6. To provide exposure to pediatric surgery research.

DESCRIPTION: An individual study in Pediatric Surgery at the UCLA Medical Center. The student will participate in lectures, conferences, clinics, ward Rounds, and assist in patient care, including emergency call responsibilities. The student may also participate in ongoing research projects being carried out by Research Fellows in the Division of Pediatric Surgery.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Hernias
2. Newborn intestinal malformations
3. Gastroesophageal reflux
4. Inflammatory bowel disease
5. Appendicitis
6. Pediatric thoracic disorders
7. Abdominal & thoracic neoplasms
8. Undescended testes

INPATIENT: 50%
OUTPATIENT: 50%
CONSULTATION: 90%
PRIMARY CARE: 10%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER Administrator

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 40
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 110

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
<th>Hour</th>
<th>Monday</th>
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<tbody>
<tr>
<td>AM</td>
<td>6:30 - 7:50 Rounds w/o</td>
<td>Pediatric Housestaff</td>
<td>7:15-8:15 Dept. Surgery Conf.</td>
<td>7:30 Operating room</td>
<td>8:00 Pediatric grand Rounds</td>
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<tr>
<td></td>
<td>Outpatient clinic</td>
<td>7:30 Operating room</td>
<td>Operating room</td>
<td>7:30 Operating room</td>
<td>9:00 Operating room</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 Outpatients in surgery</td>
<td>Outpatient clinic</td>
<td>Outpatient Clinic</td>
<td>Surgery clinic</td>
<td>3:00 Pediatric surgery conference</td>
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<tr>
<td></td>
<td>3:30 Tutorial</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Participate in Emergency operations and surgical care. Morbidity and Mortality Conference Mon. 5:00 p.m. General Surgery Education Conference, Sat. 8:00-10:00 (General Surgery Grand Rounds) Wed. 7:15 am.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: The student will give a brief oral presentation on some topic of his choosing in Pediatric Surgery during the last week of his rotation.
LEARNING OBJECTIVES (in order of importance)
1. Increase skills in physical examination of the head and neck.
2. Become familiar with benign and malignant neoplasms of the head and neck.
3. Learn the most efficient methods of diagnosing and evaluating head and neck neoplasms.
4. Learn how to perform a tracheotomy.
5. Learn how to do a thorough history, physical examination, and laboratory evaluation of the dizzy patient.
6. Learn how to do a thorough history, physical examination, and laboratory evaluation of the hearing loss patient.
7. Learn to recognize and treat common ear diseases and infectious diseases of the head and neck.
8. Learn the basic principles of facial cosmetic surgery.
9. Learn how to evaluate pediatric airways.
10. Learn how to evaluate common pediatric problems related to the upper aerodigestive tract.

DESCRIPTION: Students participate on the active in- and out-patient Services in Head and Neck Surgery as well as in the care of patients seen in the Operating Room at UCLA. Didactic training on Wednesday afternoons includes Tumor Board and Otology, Audiology, and Facial Plastic and Reconstruction conferences.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Ears
2. Sinuses
3. Neoplasias of the Head and Neck
4. Bronchoesophagology
5. Laryngology

INPATIENT: 70%
OUTPATIENT: 30%
CONSULTATION: 50%
PRIMARY CARE: 50%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER Nursing staff

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 2000

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>6:30 6W Round</td>
<td>6:30 6W Round</td>
<td>6:30 6W Teaching Rounds with Dr. Berke</td>
<td>6:30 6W Round</td>
<td>6:30 6W Round</td>
</tr>
<tr>
<td></td>
<td>8:00 Clinic</td>
<td>8:00 Surgery</td>
<td>7:30 Surgery Grand Rounds</td>
<td>8:00 Clinic</td>
<td>8:00 Clinic</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>8:00 Clinic</td>
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<tr>
<td>PM</td>
<td>1:00 Clinic</td>
<td>1:00 Clinic</td>
<td>1:00 - 6:00 Conferences</td>
<td>1:00 Clinic</td>
<td>1:00 Clinic</td>
</tr>
<tr>
<td></td>
<td>5:00 Rounds</td>
<td>5:00 Rounds</td>
<td>5:00 Rounds</td>
<td>5:00 Rounds</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Fourth year students are not required to be on-call. Basic Science courses are held on Saturday mornings.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: In case of student overload, expect to be rotated to another hospital facility in order to benefit student.
SU390.02  ADVANCED OTOLARYNGOLOGY CLERKSHIP

Subinternship  Location: KDMC  1998-99

COURSE CHAIR:  PHONE #:  Gus Gill, M.D  (310)-668-4536

LEARNING OBJECTIVES (in order of importance)
1. Knowledge of the pathogenesis, diagnosis, and management of common otolaryngology problems, e.g., sinusitis, epistaxis, dizziness, head and neck cancer; facial plastic surgery.
2. Interpretation of laboratory aids, CT, routine sinus x-rays, audiograms, etc.
3. Medical judgment, analysis and synthesis of information
4. Detailed history and physical examination
5. Management of minor trauma to face, nasal fracture, facial lacerations
6. Appreciation of spectrum of disease managed by otolaryngologist

SUPPORTING FACULTY:

STUDENT COORDINATOR:  PHONE #:  Glenn Kanamori, M.D.  (310)-668-4536

REPORT TO:  MLK Hospital, ENT Clinic - 5004, 8:00 AM.

PREREQUISITES:  Otolaryngology Clerkship, Surgery and Medicine

AVAILABLE TO EXTERNs:  No

STUDENTS / PERIOD:  max 2  min 2

DURATION:  2 weeks

1998-99 ELECTIVES BEGIN WEEKS:  By Arrangement

DESCRIPTION:  This course will allow the student to further enhance knowledge and skills in Otolaryngology. Patient responsibility will be increased and a broader range of diseases will be discussed.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Sinusitis
2. Hearing loss
3. Nose bleed
4. Dizziness
5. Head and neck surgery
6. Facial plastic surgery
7. Tonsillitis
8. Chronic ear disease

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

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER PA, Audiologist, Speech therapist

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  100
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  450

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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<th>Wednesday</th>
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<tbody>
<tr>
<td>AM</td>
<td>7:00 Rounds</td>
<td>7:00 Rounds</td>
<td>7:00 Rounds</td>
<td>7:00 Rounds</td>
<td>7:00 Rounds</td>
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<tr>
<td></td>
<td>9:00 - 12:00 Clinic/Surgery</td>
<td>9:00 - 12:00 Clinic/Surgery</td>
<td>10:00 - 12:00 Grand Rounds</td>
<td>9:00 - 12:00 Clinic/Surgery</td>
<td>8:00 Radiology, pathology, M.M.</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 - 4:00 Clinic Patient workups</td>
<td>1:00 - 4:00 Clinic Audiology examinations</td>
<td>1:00 - 2:00 Tumor board</td>
<td>1:00 - 4:00 Clinic Speech pathology</td>
<td>1:00 - 4:00 Clinic</td>
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<td>2:00 - 4:00 UCLA conference</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
**Subinternship**

**Location:** CHS  
**1998-99**

**COURSE CHAIR:** William Shaw, M.D.  
PHONE #: (310)-794-9726

**SUPPORTING FACULTY:** M. Lesavoy, M.D., T. Miller, M.D., B. Markowitz, M.D., H. Kawamoto, M.D., D.D.S., N. Jones, M.D., J. Watson, M.D., A. Dalio, M.D.

**STUDENT COORDINATOR:** Devora London  
PHONE #: (310)-206-3656

**REPORT TO:**  
Devora London, 64-131 CHS, 7:45 a.m.

**AVAILABLE TO EXTERNS:** yes

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

**DURATION:** 4 weeks

**1998-99 ELECTIVES BEGIN WEEKS:**  
1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49.

**DESCRIPTION:** This elective offers exposure to a wide variety of plastic surgery problems and operative techniques, from complex craniofacial or microsurgical reconstructions to routine out-patient cosmetic surgery. Extern’s role can be flexible depending upon interest and background. Some experience in plastic surgical suturing is likely in the OR and in the ER.

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

1. Exposure to scope of problems encountered in the field of plastic and reconstructive surgery: head & neck reconstruction, management of burns, hand injuries, congenital deformities, breast reconstruction, aesthetic surgery, microvascular surgery.
2. Knowledge in basic surgical sciences: wound healing, suturing techniques, skin grafting, cutaneous and musculotaneous flaps.
4. Assume responsibility, under supervision, for the total care of selected patients.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

1. Congenital anomalies  
2. Trauma  
3. Microsurgery  
4. Hand surgery  
5. Head & Neck reconstruction  
6. Breast Surgery  
7. Aesthetic surgery  
8. Wound healing

**CLOSE CONTACT WITH:**

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

**APPROMXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 20

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 120

**TYPICAL WEEKLY SCHEDULE**

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>AM</strong></td>
<td>7:30 Operating room</td>
<td>7:30 Operating room</td>
<td>7:00 Integrated teaching Rounds Surgery grand Rounds Operating room</td>
<td>7:30 Operating room</td>
<td>7:30 Operating room</td>
</tr>
<tr>
<td><strong>PM</strong></td>
<td>1:00 Operating room</td>
<td>1:00 Operating room</td>
<td>Craniofacial clinic</td>
<td>Clinic</td>
<td>Plastic surgery clinic</td>
</tr>
</tbody>
</table>

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** Saturday & Sunday morning Rounds and scheduled conferences. On-call schedule will be given by the chief resident.

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Informal oral presentations. Attendance at teaching Rounds and conferences. Assisting with patients in the plastic surgery clinic course curriculum available upon request.

369
Subinternship  

Location: CHS

1998-99

COURSE CHAIR:  
Timothy Miller, M.D.  
(310)-825-5644  
(310)-268-3427

PHONE #: 

LEARNING OBJECTIVES (in order of importance)

1. The instruction of an approach to the management of large surgical defects and their closure by all varieties of methods; In particular, the selection of flaps, including myocutaneous, random and arterial flaps.

2. Emphasis is placed on surgical anatomy and its relevance to the performance of aesthetic and reconstructive surgery.

3. An appreciation of the scope of plastic surgery and all varieties of reconstruction of large defects created by excision of cancers of the head and neck, extremities as well as aesthetic surgery is emphasized.

SUPPORTING FACULTY:  
James Watson, M.D.

STUDENT COORDINATOR:  
Devora London  
(310)-206-3656

PHONE #: 

PREREQUISITES: Surgery & Medicine

AVAILABLE TO EXTERNS: yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 2.4.6 weeks

1998-99 ELECTIVES BEGIN WEEKS:  
By Arrangement

DESCRIPTION:  
Elective is flexible. Primary emphasis is on the approach to reconstructive surgery and aesthetic surgery. The rotation can include emergency call schedule to provide exposure and experience with suturing of lacerations and wound management. This course is designed in a flexible manner to supply the goals in individual students who desire a greater appreciation of reconstructive surgery and actively participate in surgery at West Los Angeles VA Medical and UCLA.

LEARNING OBJECTIVES (in order of importance)

1. The instruction of an approach to the management of large surgical defects and their closure by all varieties of methods; In particular, the selection of flaps, including myocutaneous, random and arterial flaps.

2. Emphasis is placed on surgical anatomy and its relevance to the performance of aesthetic and reconstructive surgery.

3. An appreciation of the scope of plastic surgery and all varieties of reconstruction of large defects created by excision of cancers of the head and neck, extremities as well as aesthetic surgery is emphasized.

LEARNING OBJECTIVES (in order of importance)

1. The instruction of an approach to the management of large surgical defects and their closure by all varieties of methods; In particular, the selection of flaps, including myocutaneous, random and arterial flaps.

2. Emphasis is placed on surgical anatomy and its relevance to the performance of aesthetic and reconstructive surgery.

3. An appreciation of the scope of plastic surgery and all varieties of reconstruction of large defects created by excision of cancers of the head and neck, extremities as well as aesthetic surgery is emphasized.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Aesthetic surgery
2. Reconstruction following skin cancer
3. Defects requiring pedicle flap closure
4. General reconstruction

INPATIENT: 50%
OUTPATIENT: 50%
CONSULTATION: 30%
PRIMARY CARE: 70%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20-30

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>Operating room West LA VA</td>
<td>Assist with surgery Dr. Miller (UCLA) all day</td>
<td>Assist with surgery West LA VA</td>
<td>Assist with out-patient surgery Dr. Miller (UCLA)</td>
<td>Assist with surgery Dr. Miller - Wadsworth, VA (until noon)</td>
</tr>
<tr>
<td>PM</td>
<td>West LA VA Plastic Surgery Clinic</td>
<td>Wadsworth, VA Plastic surgery clinic</td>
<td>Plastic surgery grand Rounds 5:30 pm</td>
<td></td>
<td>Hand Surgery Clinic (optional)</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: A call schedule is encouraged (although not required) with general surgery resident to obtain exposure to a variety of E.R. problems which involve primary suturing of facial lacerations and management of facial fractures.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE CHAIR: Malcolm A. Lesavoy, M.D.  
PHONE #: (310) 222-2760  
COURSE OBJECTIVES (in order of importance)  
1. To offer an in-depth exposure to the broad field of Plastic and Reconstructive Surgery.  
2. Reinforce general surgical principles  
3. Gain introduction operative surgical skills  

SUPPORTING FACULTY:  

STUDENT COORDINATOR: Juanita Navarette  
PHONE #: (310) 222-2760  
REPORT TO: Juanita Navarette, Building 1-East, 8:30 am on the first day  

PREREQUISITES: Surgery and Medicine  

AVAILABLE TO EXterns: Yes  

STUDENTS / PERIOD: max 2 min 1  

DURATION: 4 weeks  

1996-97 ELECTIVES BEGIN WEEKS:  
1, 5, 9, 13, 17, 21, 25, 2, 33, 37, 41, 45, 49.  

DESCRIPTION: The student will function as a junior member of the plastic Surgery staff, which consists of a Chief Resident, a General Surgery Resident and Attending Surgeon. The student will assist in the operating room and given personal operative experience under close supervision. The student will participate in the work-up and evaluation of a large variety of reconstructive surgical problems. The student will attend two weekly conferences, during which time interesting and challenging reconstructive problems are present and discussed. Experience in congenital anomalies, trauma, burns, hand surgery, head and neck reconstruction, and aesthetic surgery will be stressed.  

STUDENT EXPERIENCES  

COMMON PROBLEMS/DISEASES  
1. Hand surgery  
2. Craniofacial congenital anomalies  
3. Burns  
4. General reconstruction  
5. Maxillofacial trauma  
6. General trauma  
7. Head & neck tumors  

INPATIENT: 50%  
OUTPATIENT: 50%  
CONSULTATION: 5%  
PRIMARY CARE: 95%  
CLOSE CONTACT WITH:  
X FULL TIME FACULTY  
X CLINICAL FACULTY  
X FELLOWS  
X RESIDENTS  
X INTERNS  
OTHER  

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 25  
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 2500  

TYPICAL WEEKLY SCHEDULE  

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<tbody>
<tr>
<td>AM</td>
<td>7:00 Ward Rounds</td>
<td>7:00 Ward Rounds</td>
<td>7:00 Ward Rounds</td>
<td>7:00 Ward Rounds</td>
<td>7:00 Ward Rounds</td>
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<tr>
<td></td>
<td>8:30 Out-patient Surgery Clinic</td>
<td>7:00 Ward Rounds</td>
<td>7:30-8:30 General Surgery M&amp;M</td>
<td>8:00 UCLA OR (1st OR available HGH)</td>
<td>1:00 Cranofacial Clinic (1st and 3rd Fridays of the month)</td>
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<tr>
<td></td>
<td>(1st OR available HGH)</td>
<td>9:00 OR</td>
<td>9:00 OR</td>
<td>9:00 OR</td>
<td>9:00 OR</td>
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<tr>
<td>PM</td>
<td>1:00 Plastic Surgery Clinic</td>
<td>1:00 Plastic Surgery Clinic</td>
<td>OR Continued</td>
<td>OR Continued</td>
<td>1:00 Plastic Surgery Clinic</td>
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<tr>
<td></td>
<td>4:30 Plastic Surgery Conf.</td>
<td>OR Continued</td>
<td>OR Continued</td>
<td>OR Continued</td>
<td>OR Continued</td>
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<td></td>
<td>5:30 Pre-of rounds with MAL</td>
<td>6:00 UCLA Grand Rounds</td>
<td>6:00 UCLA Grand Rounds</td>
<td>6:00 UCLA Grand Rounds</td>
<td>6:00 UCLA Grand Rounds</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None  

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
LEARNING OBJECTIVES (in order of importance)
1. Knowledge in the assessment of plastic surgery related deformities
2. Knowledge in the possibilities of reconstruction.
4. Knowledge regarding the management of cutaneous malignancies.
5. Knowledge in the assessment of functional deformities of the hand.
6. Practice in the care of traumatic and surgical wounds, with emphasis on proper tissue handling and wound closure.
7. Practice in obtaining history and physical for patients with plastic surgical problems, to have the opportunity to first-hand evaluate functional and aesthetic deformities.
8. Knowledge regarding the various aspects of superficial anatomy, especially the hand and the face.
9. Knowledge regarding the evaluation and management of various facial injuries, including fractures.
10. Observance of evaluation and team approach for facial cleft deformities.

DESCRIPTION: This elective provides the student an opportunity to assist in managing patients with plastic surgery problems at a County hospital. The student activities in this course that closely parallel the daily journey of the plastic surgery resident, usually also fully trained in general surgery. The student assumes responsibilities that are appropriate in the context of this close partnership.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Head and Neck defects and deformities
2. Hand Injuries
3. Hand Infections
4. Cutaneous malignancies & benign tumors
5. Breast deformities
6. Scars
7. Facial Injuries, including fractures
8. Other soft tissue injuries

INPATIENT: 20%
OUTPATIENT: 80%
CONSULTATION: 40%
PRIMARY CARE: 60%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 70

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>6:30-7:30 Rounds</td>
<td>6:30-7:30 Rounds</td>
<td>6:30-7:30 Rounds</td>
<td>6:30-7:30 Rounds</td>
<td>6:30-7:30 Rounds</td>
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<td></td>
<td>7:30-1:00 OR at OVMC</td>
<td>7:30-1:00 Postop Clinic</td>
<td>8:00 am - 4:00 pm Plastic Surgery Clinic (On 1st Wednesday, Cleft Palate Clinic)</td>
<td>7:15 am - 8:15 am Grand Rounds at OVMC (last week)</td>
<td>7:30 am - 3:30 pm OR at OVMC</td>
</tr>
<tr>
<td>PM</td>
<td>7:30 am - 3:30 pm OR at OVMC</td>
<td>OR when available</td>
<td></td>
<td>5:30 pm - 7:30 pm Grand Rounds - Plastics at UCLA</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Rounds and On-Call responsibilities determined in conjunction with the Plastic Surgery Resident rotating through OVMC

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: This rotation requires that the student have access to a car, as he/she will need to go from one hospital to another.
LEARNING OBJECTIVES (in order of importance)

1. To develop skills in the pre- and post-operative management of surgical patients.
2. To have exposure to the spectrum of peripheral vascular disease problems.
3. To develop skills in examination of patients with peripheral vascular disease and knowledge of the essential laboratory data.
4. To become familiar with the use of the vascular diagnostic laboratory & interpretation of test results.
5. To develop basic knowledge in angiographic anatomy and pathology.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Aorto-iliac occlusive disease
2. Femoral-popliteal occlusive disease
3. Cerebrovascular insufficiency
4. Aneurysm disease-abd. & peripheral
5. Deep venous insufficiency
6. Thoracic outlet syndrome
7. Vasospastic disease

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 40
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 150

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
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<tr>
<td>AM</td>
<td>7:00 - 8:00</td>
<td>6:30 - 7:15</td>
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<td>8:00 - 12:00</td>
<td>7:45</td>
<td>7:30 - 8:30</td>
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<tr>
<td></td>
<td>Vascular Surgery Clinic</td>
<td>Operating Room</td>
<td>Operating Room</td>
<td>Operating Room</td>
<td>Operating Room</td>
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<tr>
<td>PM</td>
<td>12:00 - 1:00</td>
<td>3:00 - 4:00</td>
<td>3:00 - 4:00</td>
<td>3:00 - 4:00</td>
<td>3:00 - 4:00</td>
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<tr>
<td></td>
<td>Lunch</td>
<td>Operating Room</td>
<td>Operating Room</td>
<td>Operating Room</td>
<td>Operating Room</td>
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<tr>
<td></td>
<td>1:00 - 3:30</td>
<td>4:00 - 5:00</td>
<td>4:00 - 5:00</td>
<td>4:00 - 5:00</td>
<td>4:00 - 5:00</td>
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<tr>
<td></td>
<td>Vascular Surgery Clinic</td>
<td>Evening Rounds</td>
<td>Evening Rounds</td>
<td>Evening Rounds</td>
<td>Evening Rounds</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Variable according to case load. Saturday: 8:00 a.m. General Surgery Education Conference (this used to be General Surgery Grand Rounds). Monday, 5:00 p.m. Morbidity and Mortality Conference.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: The student functions essentially as a subintern, participating in Rounds, operating room responsibilities, surgical ward responsibilities, teaching conference, and special tutorials.
**SU410.02 THORACIC & CARDIAC SURGERY**

**Subinternship/Inpatient**

**Location:** CHS

**COURSE CHAIR:**
Donald G. Mulder, M.D.  
PHONE #: (310)-825-0857

**SUPPORTING FACULTY:**
Drs. H. Laks, G. Buckberg, P. Waters, E. C. Holmes, F. Esmalian, A. Sadeghi, R. Cameron, D. Marelli, A. Ardehali

**STUDENT COORDINATOR:**
Faye Turner  
PHONE #: (310)-825-0857

**REPORT TO:**
Cardiothoracic Surgery 62-249 CHS.

**PREREQUISITES:** All Clerkships

**AVAILABLE TO EXTERNS:** yes

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

**DURATION:** 4 weeks

**1998-99 ELECTIVES BEGIN WEEKS:**  
By Arrangement

**DESCRIPTION:** This elective provides an opportunity to participate actively in the care of both pediatric and adult cardiac patients, as well as those with lung, esophageal, mediastinal diseases. This clinical exposure will be enhanced by didactic lectures and teaching sessions with the surgical faculty.

**LEARNING OBJECTIVES (in order of importance):**
1. Progressive patient responsibilities with capability of evaluating and participating in the care of critically ill patients.
2. Capability of interpreting chest x-rays, pulmonary function studies, and cardiac catheterization data.
3. Familiarity with techniques for monitoring cardiopulmonary events, i.e., evaluation of CVP, pulmonary wedge pressure, and blood gases.
4. Develop an appreciation for the role of surgery in the patient with cardiac, pulmonary, esophageal, and other thoracic abnormalities.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**
1. Coronary artery disease
2. Congenital heart defects
3. Lung cancer
4. Benign lung lesion
5. Acquired valvular heart disease, esophageal lesions, benign & malignant heart block requiring pacemaker insertion.
6. Mediastinal tumors

**COMMON PROBLEMS/DISEASES**

<table>
<thead>
<tr>
<th>INPATIENT: 95%</th>
<th>OUTPATIENT: 5%</th>
<th>CONSULTATION: 5%</th>
<th>PRIMARY CARE: 95%</th>
<th>CLOSE CONTACT WITH:</th>
</tr>
</thead>
</table>
| X FULL TIME FACULTY | CLINICAL FACULTY | X FELLOWS | X RESIDENTS | X INTERNS | X OTHER: Nurses

**APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:** 20

**TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:** 100

**TYPICAL WEEKLY SCHEDULE**

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:00 Indoctrination Rounds with residents (4E Nurses Station)</td>
<td>6:45 - 7:45 M &amp; M Confer.(62-173) 8:00 - 12:00 OR/Ward/Library</td>
<td>7:15 - 8:15 Surgical Grand Rounds (53-105) 8:30 - 12:00 OR/Ward/Library</td>
<td>8:00 - 12:00 OR/Ward/Library</td>
<td>7:00 - 8:15 Transplant meeting (14-214) 8:30 - 12:00 OR/Ward/Library</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 - 5:00 OR/Ward/Library</td>
<td>4 - 5:00 Student Tutorial (Surgeon’s Office) 5 - 6:00 Thoracic Conf 6 - 7:00 Ct Grand Rds</td>
<td>1:00 - 4:00 OR/Ward/Library 4:00:5:00 Student Tutorial (Surgeon’s Office)</td>
<td>1:00 - 4:00 OR/Ward/Library 4:00 - 5:00 Student Tutorial (Surgeon’s Office)</td>
<td>1:00 - 2:00 OR/Ward/Library 2:00 - 5:00 Lecture Series</td>
</tr>
</tbody>
</table>

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:**  
Saturday OR/Ward/Library; Sunday Rounds with Dr. Laks & residents 4E ICU (5:00 pm time approximate)

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

1. Understanding of basic cardiovascular physiology.
2. Understanding of basic pulmonary physiology and pulmonary fraction tests.
3. Application of basic principles to the intensive care of critically ill patients with cardiorespiratory disease.
4. Understanding of the major categories of cardiac disease (ischemic, acquired valvular, and congenital).
5. Understanding of invasive and non-invasive data in the management of cardiac disease.
6. Knowledge of the evaluation and surgical management of patients with bronchogenic cancer and other pulmonary disease.
7. Exposure to basic skills including thoracentesis, chest tube insertion, and the placement of monitoring lines (arterial, Swan-Ganz, CVP).
8. Ability to assess a patient with penetrating or blunt chest trauma and develop a treatment plan.

DESCRIPTION:
This course is designed to allow the student to function as a member of the patient care team on a busy cardiothoracic surgical service in a hospital with an active trauma center. The role as a sub-intern will require a student with motivation, responsibility, and diligence.

COMMON PROBLEMS/DISEASES
1. Coronary artery disease
2. Valvular heart disease
3. Bronchogenic carcinoma
4. Congenital heart disease
5. Penetrating thoracic trauma
6. Blunt thoracic trauma
7. Thoracic inflammatory disease
8. Pericardial disease

DESCRIPTION:
This course is designed to allow the student to function as a member of the patient care team on a busy cardiothoracic surgical service in a hospital with an active trauma center. The role as a sub-intern will require a student with motivation, responsibility, and diligence.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Coronary artery disease
2. Valvular heart disease
3. Bronchogenic carcinoma
4. Congenital heart disease
5. Penetrating thoracic trauma
6. Blunt thoracic trauma
7. Thoracic inflammatory disease
8. Pericardial disease

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 15
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 50

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>6:30 - 8:00 Ward Rounds</td>
<td>6:30 - 8:00 Ward Rounds</td>
<td>6:30 - 7:30 Ward Rounds</td>
<td>6:30 - 8:00 Ward Rounds</td>
<td>6:30 - 8:00 Ward Rounds</td>
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<tr>
<td></td>
<td>Patient care, OR or reading</td>
<td>8:00 - 1:00 Patient care, operating room or reading</td>
<td>7:30 - 9:00 Morbidity &amp; mortality con. 9:00 - 3:00 Patient care, operating room or reading</td>
<td>8:00 - 3:00 Patient care, operating room or reading</td>
<td>8:00 - 3:00 Patient care, operating room or reading</td>
</tr>
<tr>
<td></td>
<td>1:00 - 4:00 Out-patient clinic</td>
<td>4:30 - 5:00 Adult cardiology conference</td>
<td>3:00 - 5:00 Attending Rounds</td>
<td>3:00 - 5:00 Attending Rounds</td>
<td>3:00 - 5:00 Attending Rounds</td>
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<tr>
<td></td>
<td>4:00 - 5:00 Medical/Surgical Chest clinic 6:00 - 7:30 Thoracic grand Rounds (CHS)</td>
<td>5:00 - 7:00 Attending Round</td>
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<tr>
<td>PM</td>
<td>5:00 - 6:00 Attending Rounds</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Surgical grand Rounds, Saturday, 8:30 - 10:00 am. On call every third night.

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

1. To develop skills in preoperative evaluation of the patient with multiple trauma.
2. To gain exposure to techniques of resuscitation.
3. To evaluate the hospitalized patient who develops an acute surgical condition.
4. To develop an in-depth knowledge of the pathophysiology and treatment of shock and sepsis.
5. To become familiar with the principles of outpatient surgical diagnosis and treatment.
6. To learn principles of critical care medicine in the surgical ICU.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Appendicitis
2. Biliary tract disease
3. Multiple Trauma
4. Multiple Organ System Failure
5. Shock

INPATIENT: 90%
OUTPATIENT: 10%
CONSULTATION: 25%
PRIMARY CARE: 75%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 75

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>6:30 Rounds</td>
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<tr>
<td></td>
<td>7:15</td>
<td></td>
<td>Dept. of Surgery Grand Rounds, 53-105 CHS Clinic</td>
<td>Trauma patient review</td>
<td>Ward Work &amp; Emergency Surgery</td>
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<tr>
<td></td>
<td>7:45 Elective Surgery</td>
<td>Elective Surgery</td>
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<td>9:00</td>
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<tr>
<td>PM</td>
<td>1:00 Elective Surgery</td>
<td>Elective Surgery</td>
<td>2:00 Teaching Rounds with Dr. Cryer</td>
<td>2:00 Ward Work</td>
<td>2:00 Ward Work &amp; Emergency Surgery</td>
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<tr>
<td></td>
<td>4:00 Ward Rounds</td>
<td>Ward Rounds</td>
<td>Ward Rounds</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: On-call every third night. Saturday, 8:00 a.m. General Surgery Education Conference (this used to be General Surgery Grand Rounds).

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Students will participate in clinics, conferences, Rounds, and other teaching activities. Monday, 5:00 p.m. Morbidity and Mortality Conference (previously held Saturdays).
LEARNING OBJECTIVES (in order of importance)
1. Ability to resuscitate the injured patient using advanced trauma life support protocol.
2. Initiate urgent assessment of the trauma patient utilizing sequential diagnostic studies.
4. Interpretation of x-rays, CT Scans, and blood gases.
5. Critical care record keeping and chart maintenance.
6. Use of such agents as steroids, Mannitol, and blood component therapy.
7. Operative management of blunt and penetrating thoraco-abdominal trauma.
8. Evaluation of the acute abdomen and other urgent and emergent general surgery conditions.

DESCRIPTION: The emphasis is on initial resuscitation, urgent diagnostic evaluation, and rapid operative management of critically injured patients brought to this Level I Trauma Center. The clerk will follow the patient from the Emergency Department to the Scan/Angiography suite, the operating room, and the SIC.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Multi-organ system trauma
2. Major extremity fractures
3. Isolated closed head trauma
4. Major arterial disruption
5. Massive soft tissue injuries
6. Foreign bodies
7. Acute abdomen
8. Thoracic Problems

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 10-15
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 100

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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<tbody>
<tr>
<td>AM</td>
<td>6:00 Work Rounds 6:45 Surgical Principles</td>
<td>6:00 Work Rounds</td>
<td>6:00 Work Rounds</td>
<td>7:00 Basic Science</td>
<td>6:00 Work Rounds</td>
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<td></td>
<td>7:30 Trauma Conf.</td>
<td>7:15 Operating Room</td>
<td>7:15 Surgical Procedures Workshop</td>
<td>8:00 Morbidity/Mortality</td>
<td>7:15 Operating Room</td>
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<td></td>
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<td>9:00 Clinic Noon Grand Rounds</td>
<td>9:00 Clinic Noon Grand Rounds</td>
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<td></td>
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<td></td>
<td>1:00 Chief Rounds</td>
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<td>1:00 “This Week in Surgery”</td>
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<td></td>
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<td></td>
<td>3:00 Work Rounds</td>
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<td>4:00 Surgical Pathology Conference</td>
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<td></td>
<td>4:00 Breast/Colorectal Conf.</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Night and weekend call with team member every third night. Will respond to E.R. for all Trauma Runs; will follow patients to X-ray, O.R., and SIC.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Advanced reading assignments and conference presentations are expected. On Call room, meal tickets, and operating room orientation will be provided. Students will participate in all educational activities of the surgical residency, including the Surgical Procedures Workshop, work Rounds at 0700 on Saturday mornings, and the Basic Science Conference at 0800 every Saturday morning, September to December each year.
LEARNING OBJECTIVES (in order of importance)
2. Management of the pre and post-operative care of patients having operations for gastrointestinal diseases.
3. Improved knowledge of sterile technique, assistance in the operating rooms, and care of postoperative incisions.
4. The fundamental techniques and interpretation of endoscopic procedures.
5. Knowledge of the role of the surgical gastroenterologist and the relationship of this specialty to medical gastroenterology.
6. Interpretation of x-rays, ultrasound, and CAT scan studies of gastrointestinal diseases.
7. The technical, psychological, and sociological management of patients with temporary and permanent intestinal stomas.
8. Knowledge of the principles and techniques of assessment of state of nutrition and the enteral and parenteral management of nutritional repletion.
9. Improved History and Physical examination.
10. Appreciation of the specialized care and treatment provided by the surgical gastroenterologist.

DESCRIPTION: This program is designed for the student interested in advanced study in Surgery, particularly a student planning a career in Surgery and, most specifically, any student wishing to apply to the General Surgery Residency Program. The student functions essentially as a subintern. Students will participate in Rounds, operating room responsibilities, teaching conferences, and special tutorials.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Acute & chronic cholecystitis
2. Inflammatory Bowel Disease
3. Liver tumor, bile ducts, pancreas & intest. tract
4. Benign diseases obstructing the biliary tree
5. Peptic ids. of esophagus, stomach & duodenum
6. Esophageal motor disorders
7. Abdominal and inguinal hernias
8. Morbid obesity

INPATIENT: 70%
OUTPATIENT: 30%
CONSULTATION: 15%
PRIMARY CARE: 85%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL 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: 150

TYPICAL WEEKLY SCHEDULE

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<th>Hour</th>
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<tr>
<td>AM</td>
<td>Rounds</td>
<td>7:00 - 8:30</td>
<td>7:15 - 8:15</td>
<td>Rounds</td>
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<td></td>
<td>Operating Rooms</td>
<td>Professor’s Rounds</td>
<td>Department of Surgery Grand Rounds</td>
<td>Operating Rooms</td>
<td>Operating Rooms</td>
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<td></td>
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<td>9:00 - 3:00</td>
<td>Operating Rooms</td>
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<td>9:00 - 10:00</td>
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<td></td>
<td></td>
<td>Clinic</td>
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<td>G.I. X-Ray Rounds</td>
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<tr>
<td>PM</td>
<td>O.R.</td>
<td>5:00 - 6:00</td>
<td>5:00 - 6:00</td>
<td>2:00 - 6:00</td>
<td>O.R.</td>
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<td></td>
<td>General Surgery M&amp;M Conference</td>
<td>G.I. Surgery Conference</td>
<td>Rounds</td>
<td>Patient Work-up or O.R.</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Variable, according to case load. Saturday, 8:00 a.m. General Surgery Education Conference (this used to be General Surgery Grand Rounds). Mon., 5:00 p.m. Morbidity and Mortality Conference (previously held Sat.).

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: UCLA non-surgical residency applicants are welcome.
SUBINTERNSHIP\INPATIENT  LOCATION: CHS  1998-99

COURSE CHAIR:  Fred R. Eilber  (310)-825-7086

LEARNING OBJECTIVES (in order of importance)
1. Understand basic principles of multidisciplinary approach (surgery, radiation therapy, chemotherapy, immunotherapy) to treatment of solid human cancers.
2. Understand modes of clinical presentations and evaluation of common adult tumors.
3. Participate in patient care management, both on the ward and in the operating room.

SUPPORTING FACULTY:
Full-time attending surgeons on White Surgical Service (Oncology)

STUDENT COORDINATOR:  Rebecca Bernstein  (310)-825-6643

REPORT TO:
Chief resident surgeon (White Surgical Service), 4 East Ward, CHS

PREREQUISITES:  Surgery, Medicine, Peds, Ob/Gyn

AVAILABLE TO EXTERNS:  yes

STUDENTS / PERIOD:  max 3 min 1

DURATION:  4 weeks

1998-99 ELECTIVES BEGIN WEEKS:
1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49.

DESCRIPTION:  This program is designed only for the student interested in advanced study in Surgery, particularly a student planning a career in Surgery and, most specifically, any student wishing to apply to the General Surgery Residency Program.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Melanoma
2. Sarcoma
3. Colon carcinoma
4. Breast Carcinoma
5. Benign breast disease
6. Gastric carcinoma
7. Thyroid carcinoma
8. Immunotherapy

INPATIENT:  90%
OUTPATIENT:  10%
CONSULTATION:  20%
PRIMARY CARE:  80%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  50
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  150

TYPICAL WEEKLY SCHEDULE

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<th>Hour</th>
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<tbody>
<tr>
<td></td>
<td>7:15 AM Department of Surgery Grand Rounds</td>
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<tr>
<td>PM</td>
<td>4:00 PM Ward Rounds</td>
<td>5:00 PM Ward Rounds</td>
<td>1:00 PM White Clinic Oncology Clinic Multidisciplinary Breast Center 4:00 PM Tumor Conference</td>
<td>4:30 PM Musculo-Skeletal Conference</td>
<td>5:00 PM Ward Rounds</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  Varied according to case load. Saturday, 8:00 a.m. General Surgery Education Conf. (this used to be General Surgery Grand Rounds). Mon., 5:00 p.m. Morbidity and Mortality Conference (previously held Saturdays).

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  The student functions essentially as a subintern, participating in Rounds, operating room responsibilities, teaching conferences, and special tutorials.
LEARNING OBJECTIVES (in order of importance)
1. Improve history and physical examination skills.
2. Knowledge of congenital gastrointestinal anomalies.
3. Ability to acquire relevant clinical data, analyze and synthesize data, and develop surgical judgment.
4. Interpretation of x-rays, invasive diagnostic studies, and medical parameters.
5. Technical skills, such as sigmoidoscopy, laparotomy wound closure, and intestinal intubation.
7. Oral presentations at conferences and Rounds.
8. Surgical record keeping and chart maintenance.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Carcinoma of breast
2. Anorectal disorders
3. Carcinoma of thyroid
4. Colon carcinoma
5. Small bowel obstruction
6. Inguinal hernia
7. Appendicitis
8. Laparoscopic Surgery

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20
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>6:00 Work Rounds</td>
<td>6:45 Work Rounds</td>
<td>6:45 Work Rounds</td>
<td>7:00 Basic Science</td>
<td>6:45 Work Rounds</td>
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<td></td>
<td>6:45 Surgical Principles</td>
<td>8:15 Operating Room</td>
<td>8:15 Surgical Procedures</td>
<td>8:00 MorbMortality</td>
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<td></td>
<td>7:30 Trauma Conf.</td>
<td>8:15 Operating Room</td>
<td>9:00 Clinic</td>
<td>9:00 Clinic</td>
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<td>Noon Grand Rounds</td>
<td>8:15 Operating Room</td>
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<tr>
<td>PM</td>
<td>5:00 Trauma Conference</td>
<td>2:00 Chief Rounds</td>
<td>4:00 Surgical Pathology Conference</td>
<td>4:00 Colorectal/Breast Conference*</td>
<td>1:00 &quot;This Week in Surgery&quot;</td>
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<td>3:00 Work Rounds</td>
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<td>(*Alternate weeks)</td>
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<td>4:00 Surgical Pathology Conference</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: On-call room and operating room orientation will be provided. Case presentations and advanced reading will be assigned. Students will participate in all educational activities of the surgical residency, including the Surgical Procedures Workshop, work Rounds at 0700 on Saturday mornings, and the Basic Science Conference at 0800 every
LEARNING OBJECTIVES (in order of importance)

1. Familiarity with the treatment and diagnosis of patients who have general surgical diseases, particularly of the liver and biliary system, the pancreas, the gastrointestinal tract, breasts, and vascular system.

2. Learn to manage patients with trauma.

3. Opportunity for performing minor technical procedures under supervision.

4. Intensive care unit experience.

DESCRIPTION: For your elective, you will be assigned to one of four general surgery services. You will function as a subintern, taking care of patients particularly assigned to you. Inhouse call one night in four, including weekends.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. The acute abdomen
2. Trauma victims
3. Critical care
4. Carcinoma colon & GI tract
5. Inflammatory bowel disease
6. Breast disease
7. Obstructive jaundice & other biliary problems

STUDENTS / PERIOD: max 8 min 1

DURATION: 4 weeks

1998-99 ELECTIVES BEGIN WEEKS:
1, 5, 9, 13, 21, 25, 29, 33, 37, 41, 45, 49.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

INPATIENT: 75%
OUTPATIENT: 25%
CONSULTATION: 25%
PRIMARY CARE: 75%
CLOSE CONTACT WITH: X FULL TIME FACULTY

X CLINICAL FACULTY

X FELLOWS

X RESIDENTS

X INTERNS

X OTHER 3rd year students

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 25

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 150

TYPICAL WEEKLY SCHEDULE

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<th>Hour</th>
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<th>Saturday</th>
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<tbody>
<tr>
<td>AM</td>
<td>Ward Rounds</td>
<td>7:30 Trauma/ICU Conference</td>
<td>Ward Rounds</td>
<td>7:30 Trauma Conference</td>
<td>7:30 Surgery Grand Rounds</td>
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<td></td>
<td>Ward Rounds Operating Room</td>
<td>Mortality/Morbidity Conference (7:30)</td>
<td>Word Rounds Operating Room</td>
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<td>9:00 Breast Clinic</td>
<td>10:00 Trauma Conf.</td>
<td>11:00 GI Conf. Operating Room</td>
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<td>12:00 Breast Conf.</td>
<td>12:00 Tumor Board</td>
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<tr>
<td>PM</td>
<td>Operating Room</td>
<td>Clinics</td>
<td>1:00 Trauma Clinic</td>
<td>1:00 GI Oncology Clinic</td>
<td>6:30 Journal Club</td>
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<td></td>
<td>1:00 Breast Clinic</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Call schedule: Every fourth night. Required conferences - Surgery Grand Rounds, 8:30 - 10:00 a.m., Saturday.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Learning Objectives (in order of importance):
1. Knowledge of principles of surgical critical care physiology.
2. Management of deranged hemodynamics and severe respiratory abnormalities, including ARDS.
4. Interpretation of laboratory and blood gas data, x-rays, nuclear and CT scans.
5. Resuscitation of sepsis and all types of shock.
6. Critical care record keeping, including knowledge of a computerized critical care data management system.
7. Technical skills including S-G and A-line placement, intubation, closed thoracostomy, and percutaneous tracheostomy.
8. Use of vasoactive drugs.

Description: The emphasis is on the care of critically ill and unstable patients from all surgical services. Activities are confined to the Surgical Intensive Care Units, although operating room participation is permitted.

Student Experiences

Common Problems/Diseases
1. Multisystem trauma
2. Major resectional procedures
3. Liver transplantation
4. Pulmonary resection
5. Vascular reconstruction
6. Post-operative organ failure
7. Hepatobiliary procedures
8. Intestinal obstruction

Inpatient: 100%
Outpatient: %
Consultation: 100%
Primary Care: 0%

Close Contact With:
X Full Time Faculty
X Clinical Faculty
X Fellows
X Residents
X Interns
X Other ancillary service personnel

Approximate # of Patients Evaluated Each Month/Student: 20
Total # of Patients Evaluated Each Month by Entire Service: 225

Typical Weekly Schedule

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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>6:45 Surgical Principles Conference</td>
<td>8:00 Faculty Rounds</td>
<td>8:00 Faculty Rounds</td>
<td>8:00 Morbidity/ Mortality</td>
<td>8:00 Faculty Rounds</td>
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<tr>
<td></td>
<td>7:30 Traumatic Conf.</td>
<td>9:00 Faculty Rounds</td>
<td>12:00 Surgical Grand Rounds</td>
<td>9:00 Faculty Rounds</td>
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<td></td>
<td>8:30 Faculty Rounds</td>
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<td>12:00</td>
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<tr>
<td>PM</td>
<td>3:00 Team Rounds</td>
<td>2:00 SICU teaching conference</td>
<td>3:00 Team Rounds</td>
<td>3:00 Team Rounds</td>
<td>SICU Journal Club</td>
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<td></td>
<td>4:00 Team Rounds</td>
<td>4:00 Core Curriculum Conference</td>
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<td>(4th Friday is also Performance Improvement Comm.)</td>
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<td>4:00 Team Rounds</td>
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On-call Schedule & Weekend Activities: Night and weekend call with team member every 4th night.

Additional Comments and Other Special Requirements: As an integral member of a house staff team supervised by a full-time faculty member, the student will function at the level of a first-year resident in the care of patients in two 10-bed surgical critical care units. All patients are surgical and include a wide computerized spectrum of acute surgical illness and injury. Students will be assigned a wide range of bedside procedures to perform with resident supervision. Students will also participate in all educational activities of the surgical
LEARNING OBJECTIVES (in order of importance)
1. Knowledge of the pathogenesis, natural history, diagnosis and management of patients with acute and chronic liver failure.
3. Knowledge and insight into the immunological problems of transplantation (i.e., rejection).
4. Diagnosis and management of the complications associated with liver transplantation.
5. Ability to examine and cost effectively evaluate patients with liver failure.
6. Knowledge and experience in managing critical care patients.
7. Awareness of the indications for liver transplantation.
8. Management of pediatric patients with liver failure.
9. Participation in operative procedures, including all aspects of the liver transplant.
10. Exposure to a multidisciplinary approach in the care and management of the transplant patient.

DESCRIPTION: This elective provides an excellent opportunity to learn about and manage patients with liver failure. In addition, this elective allows the student to experience the problems and complexity of transplantation. The student is responsible, under proper guidance, for managing patients with liver failure from the initial evaluation through the transplant operation and into the post-operative period. The student will be exposed to critical care medicine in both adult and pediatric patients.

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>7:00 - 8:00 Work Rounds</td>
<td>7:00 - 8:00 Work Rounds</td>
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<td>7:00 - 8:00 Work Rounds</td>
<td>7:00 - 8:00 Work Rounds</td>
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<td>8:00 - 12:00 Elective or Cases</td>
<td>9:00 - 12:00 Adult Transplant Clinic</td>
<td>9:00 - 12:00 Pediatric transplant Clinic</td>
<td>8:00 - 12:00 Elective or Cases</td>
<td>7:00 - 8:00 Work Rounds</td>
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<tr>
<td>PM</td>
<td>2:00 - 3:00 Teaching Rounds</td>
<td>2:00 - 3:00 Teaching Rounds</td>
<td>2:00 - 3:00 Teaching Rounds Dr. Busuttil</td>
<td>2:00 - 3:00 Teaching Rounds</td>
<td>3:00 - 4:00 Live Transplant Teaching Conference</td>
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<td>3:00 - 4:00 X-Ray and Pathology Rounds</td>
<td>3:00 - 4:00 X-Ray and Pathology Rounds</td>
<td>3:00 - 4:00 X-Ray and Pathology Rounds</td>
<td>3:00 - 4:00 X-Ray and Pathology Rounds</td>
<td>3:00 - 4:00 Live Transplant Teaching Conference</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: On Call every 3rd night with resident. Available nights for liver transplants and harvests.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 75