This summary listing electives approved or renewed after January 1, 2008. They are not included in the printed version of the handbook.

**NEW ELECTIVES:** Elective profiles are listed following on the following pages of this section.

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE NAME</th>
<th>LOCATION</th>
<th>DATE ADDED</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP253.06</td>
<td>Community Medicine in Koreatown / Jo</td>
<td>ASSOC</td>
<td>9/8/08</td>
<td>2</td>
</tr>
<tr>
<td>ME340.01</td>
<td>Hematology/Oncology / Schiller (original crs. # ME240.01)</td>
<td>CHS</td>
<td>6/18/08</td>
<td>3</td>
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<tr>
<td>SU306.01</td>
<td>Surgical Oncology &amp; Breast Surgery / Karlan</td>
<td>CS</td>
<td>8/21/08</td>
<td>4</td>
</tr>
<tr>
<td>SU310.04</td>
<td>Vascular and Endovascular Surgery / Gewertz</td>
<td>CS</td>
<td>8/21/08</td>
<td>5</td>
</tr>
<tr>
<td>SU330.01</td>
<td>Colorectal Surgery / Fleshner</td>
<td>CS</td>
<td>8/21/08</td>
<td>6</td>
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<tr>
<td>SU330.02</td>
<td>Transplantation and Hepatobiliary Surgery / Nissen</td>
<td>CS</td>
<td>8/21/08</td>
<td>7</td>
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<tr>
<td>SU370.01</td>
<td>Thoracic Surgery / McKenna</td>
<td>CS</td>
<td>8/21/08</td>
<td>8</td>
</tr>
<tr>
<td>SU386.03</td>
<td>Pediatric Surgery / Frykman</td>
<td>CS</td>
<td>8/21/08</td>
<td>9</td>
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<tr>
<td>SU394.02</td>
<td>Minimally Invasive Surgery / Towfigh</td>
<td>CS</td>
<td>8/21/08</td>
<td>10</td>
</tr>
<tr>
<td>SU420.03</td>
<td>Surgical Trauma/ ICU / Putnam</td>
<td>HARBOR</td>
<td>3/7/08</td>
<td>11</td>
</tr>
</tbody>
</table>
STUDENT EXPERIENCES

CLOSE CONTACT WITH:

X FULL-TIME FACULTY
CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS

X OTHER: KRC staff, volunteers (e.g., pharmacists, social workers, nurses, etc.)

COMMON PROBLEMS/DISEASES

1. Diabetes, Hypertension, Lipid disorders
2. Cancer
3. GI problems (i.e., PUD, Esophagitis)
4. Vascular diseases (CAD, CVD)
5. Psychosocial issues
6. Challenges to health care access
7. Gynecologic diseases
8. Preventive health issues

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

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 20
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 20-30

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td></td>
<td></td>
<td>Orientation will be Monday, September 15th, at 3 pm</td>
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<tr>
<td>PM</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Most clinic activities will take place on evenings and weekends. There will be 2-4 half-day clinics sessions per month.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Requirements include: 1) Participation in a minimum of 7 clinics; 2) Writing assignments; 3) Project developing patient educational materials or resources that are culturally and linguistically appropriate for this population.
STUDENT EXPERIENCES

CLOSE CONTACT WITH:

1. Knowledge of certain disease processes or problems: neoplastic disease, platelet disorders, hemoglobinopathies, anemia, leukemias & myeloproliferative disorders, depressed bone marrows due to drugs or chemotherapy.


3. Interpretation of tests: blood counts, microscopy—blood smears & bone marrows, radiographic studies & scans, coagulation studies, hemoglobin electrophoresis, enzyme studies.

4. Diagnosis & management of complex inpatient problems: DIC, anemia, thrombocytopenia, neoplastic diseases in various stages, treatment of all the preceding, psychological support, treatment of depressed bone marrows, chronic pain.

5. Knowledge of drugs: chemotherapeutic agents, Fe, folate & B12, narcotics, transfusion.


7. Library research & interpretation of literature.

8. Oral presentation.


10. Utilization of health care team.

11. Medical record keeping.

12. Develop consultative skills with other physicians.

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 3

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 15

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></td>
<td>8:30 BMT Conference</td>
<td>Hematology Journal Club BMT Conference</td>
<td>Medical Grand Rds. Hem-Onc Grand Rds. or Lymphoma Conference</td>
<td>Research Conference</td>
<td>Oncology Journal Club</td>
</tr>
<tr>
<td></td>
<td>9:30 Oncology Consult Rounds</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>8:30 BMT Conference 10:00 BMT Rounds</td>
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</tr>
<tr>
<td></td>
<td>Consults</td>
<td>Myeloma Clinic Consults</td>
<td>Leukemia Clinic Consults</td>
<td>Consults</td>
<td>Fellows Clinic Conference</td>
</tr>
<tr>
<td></td>
<td>Inpatient Care</td>
<td>Inpatient Care</td>
<td>Inpatient Care</td>
<td>Inpatient Care</td>
<td>Hematology Clinic</td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: There is no requirement that the student be available for night or weekend on-call responsibility.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: After an appropriate review of the literature, the patient and the disorder will be discussed with senior trainees and faculty. Students will also participate in major clinical conferences of the Division of
COURSE CHAIR: Scott Karlan, MD  
PHONE #: (310) 423-8353  
E-MAIL: shirin.towfigh@cshs.org

SUPPORTING FACULTY:  
Drs. Allan Silberman, Jason Cohen, Catherine Dang, Scott Karlan, Jerrold Steiner, Edward Phillips

STUDENT COORDINATOR: Sheila Yancy  
PHONE #: (310) 423-3253  
E-MAIL: sheila.yancy@cshs.org

REPORT TO: Sheila Yancy, 8730 Alden Drive, Thalians Bldg W221 @9:00 am

PREREQUISITES: All third year core clerkships

AVAILABLE FOR EXterns: Yes

DURATION: 3 weeks

2008-2009 ROTATIONS BEGIN WEEKS: 2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This sub-internship is intended to provide the student with in-depth knowledge of surgical oncology as a multi-disciplinary specialty. The student is expected to function at the level of an intern, including pre-operative assessment of the patient in the clinic setting, participation in the operating room, and post-operative care of the patient either in the intensive care unit or on the wards. The student is involved in formal bedside presentations, journal club presentations, and case presentations, which are teaching sessions that are held weekly or bi-weekly. In addition, the student is expected to gain in-depth knowledge by attending various multi-disciplinary conferences, such as Tumor Board and pathology conferences.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES  
1. Breast cancer  
2. Benign breast disorders  
3. Pancreatic cancer  
4. Melanoma  
5. Thyroid cancer  
6. Colon cancer  
7. Genetically-linked malignant disorders  
8. Sarcoma

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

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 75

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>6:00-7:15 Work Rounds</td>
<td>6:00-7:15 Work Rounds</td>
<td>7:00 – 8:00 Grand Rounds</td>
<td>6:00-7:15 Work Rounds</td>
<td>6:00-7:15 Work Rounds</td>
</tr>
<tr>
<td></td>
<td>7:15-9:00 Ward Patient Care</td>
<td>7:15-9:00 Ward Patient Care</td>
<td>8:00-noon Library Research</td>
<td>7:00-8:00 Educational Conference</td>
<td>7:15-9:00 Ward Patient Care</td>
</tr>
<tr>
<td></td>
<td>9:00-noon Clinic</td>
<td>9:00-noon OR</td>
<td></td>
<td>8:00-9:00 M+M Matrix</td>
<td>9:00-noon Clinic</td>
</tr>
<tr>
<td>PM</td>
<td>12:00-3:00 Clinic</td>
<td>12:00-3:00 Clinic</td>
<td>12:00-1:00 Surgical Oncology Tumor Board</td>
<td>12:00-3:00 Operating Room</td>
<td>12:00-3:00 Clinic</td>
</tr>
<tr>
<td></td>
<td>3:00-4:00 Work Rounds</td>
<td>3:00-4:00 Work Rounds</td>
<td>2:00-5:00 Breast Clinic</td>
<td>4:00-5:00 Surgical Oncology Conference</td>
<td>3:00-4:00 Work Rounds</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No call. Students are expected to participate in weekend rounds for routine patient care.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
COURSE OBJECTIVES (in order of importance)
1. Take an accurate, focused patient history as it relates to vascular disease, including risk factors, precipitating factors, and family history.
2. Ability to perform a focused vascular exam.
3. Knowledge of common acute and chronic vascular disorders of peripheral and central arterial and venous systems.
4. Knowledge of gender and age-specific preventive measures for vascular disorders, including evidence-based knowledge of treatment recommendations for carotid atherosclerotic disease.
5. Knowledge of appropriate use of imaging modalities, such as ultrasound, MRI, CT scan to diagnose or follow-up on vascular diseases.
6. Knowledge of appropriate bedside procedures to diagnose common vascular disorders, including ankle-brachial index, transcutaneous PO2, and physical exam maneuvers.
8. Treatment of peripheral venous disorders, such as deep venous thrombosis, venous stasis ulcers, and thoracic outlet syndrome.

COMMON PROBLEMS/DISEASES
1. Aortic aneurysm
2. Stroke
3. Deep venous thrombosis
4. Aorto-iliac occlusive disease
5. Diabetes mellitus
6. Lower extremity ulcers
7. Peripheral vascular occlusive disease
8. Thoracic outlet syndrome

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 60

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>Pre-Round+ Round with Team 7:15-12 OR</td>
<td>Pre-Round+ Round with Team 7:15-12 OR</td>
<td>Pre-Round+ Round with Team 7:00-8:00 Grand Rounds 8:00-12:00 Endovascular Suite</td>
<td>Pre-Round+ Round with Team 8:00-9:00 M+M Matrix Conference 9:00-12:00 Endovascular Suite</td>
<td>Pre-Round+ Round with Team 7:15-12 OR</td>
</tr>
<tr>
<td>PM</td>
<td>1:00-5:00 Clinic</td>
<td>1:00-4:00 Clinic</td>
<td>1:00-5:00 OR</td>
<td>1:00-5:00 OR</td>
<td>1:00-5:00 Free Time</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No call

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Student is expected to participate in weekend rounds for routine patient care.
SU330.01  COLORECTAL SURGERY

Subinternship  Location: CS  2008-2009  Revised: 8/21/08

COURSE CHAIR:  PHONE #:  E-MAIL:  
Phillip Fleshner, MD  (310) 423-4508  Shirin.Towfigh@cshs.org

SUPPORTING FACULTY:  
Drs. Thomas Sokol, Elman Firoozmand, Mari Madsen, Beth Moore, Zuri Murrell

STUDENT COORDINATOR:  PHONE #:  E-MAIL:  
Sheila Yancy  (310) 423-3544  sheila.yancy@cshs.org

REPORT TO:  Sheila Yancy, 8730 Alden Drive, Thalians Bldg  
W221 @ 9:00 am

PREREQUISITES:  All third year core clerkships

AVAILABLE FOR EXterns:  Yes

STUDENTS / PERIOD:  max  2  min  1

DURATION:  3  week

2008-2009 ROTATIONS BEGIN WEEKS:  
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION:  This sub-internship is intended to provide the student with in-depth knowledge of colorectal surgery as it relates to common chronic medical illnesses as well as surgical disorders. The student is expected to function at the level of an intern, including pre-operative assessment of the patient in the clinic setting, participation in the operating room, and post-operative care of the patient either in the intensive care unit or on the wards.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Colon Cancer 65%
2. Inflammatory bowel disease 35%
3. Bowel obstruction 85%
4. Diverticulitis 15%
5. Hemorrhoids
6. Anal fissures
7. Anal tumors—benign and malignant
8. Infectious colitis

INPATIENT:  65%
OUTPATIENT:  35%
CONSULTATION:  85%
PRIMARY CARE:  15%
CLOSE CONTACT WITH:
X  FULL-TIME FACULTY
X  CLINICAL FACULTY
X  FELLOWS
X  RESIDENTS
X  INTERNS
OTHER:

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:  25
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:  250

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>7:00-noon Colonoscopy</td>
<td>7:00-12:00 OR</td>
<td>7:00-8:00 Grand Rounds 8:00 –noon Colonoscopy</td>
<td>6:00-7:00 Work rounds 7:00-8:00 Resident/med student teaching conf. 8:00-9:00 M+M Matrix Conference 9:00-noon OR</td>
<td>6:00-7:00 Work Rounds 7:00-noon OR</td>
</tr>
<tr>
<td>PM</td>
<td>1:00-4:00 Physiology Lab 5:15-6:15 Core textbook review</td>
<td>12:00-5:00 OR</td>
<td>12:00 IBD Conference 5:00 Colorectal Clinical Conference 6:00 Case Review Conference (First Wed each month=Colorectal Conference) (Last Wed each month=Journal Club)</td>
<td>12:00 Colorectal Grand Rounds 2:00-4:30 Colorectal Surgery clinic (1st Thurs. each month)</td>
<td>12:00 noon Pathology Conference 1:00-5:00 OR</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  No call

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  In addition, the student is involved in formal bedside presentations, journal club presentations, and case presentations, which are teaching sessions that are held weekly or bi-weekly.
**SU330.02  TRANSPLANTATION AND HEPATOBILIARY SURGERY**

**COURSE CHAIR:**
Nicholas Nissen, M.D.

**PHONE #:** 310-423-8350

**E-MAIL:** shirin.towfigh@cshs.org

**SUPPORTING FACULTY:**
Drs. Nicholas Nissen, Steven Colquhoun, Donald Dafoe, and J. Louis Cohen

**STUDENT COORDINATOR:**
Sheila Yancy

**PHONE #:** 310-423-5883

**E-MAIL:** sheila.yancy@cshs.org

**REPORT TO:** Sheila Yancy, 8730 Alden Drive, Thalians Bldg W221 @ 9:00 am

**PREREQUISITES:** All third-year core clerkships

**AVAILABLE FOR EXTERNS:** Yes

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

**DURATION:** 3 weeks

**2008-2009 ROTATIONS BEGIN WEEKS:**
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

**DESCRIPTION:** This sub-internship is intended to provide the student with in-depth knowledge of transplantation surgery and non-transplant hepatobiliary surgery. The student is expected to function at the level of an intern, including pre-operative assessment of the patient in the clinic setting, participation in the operating room, and post-operative care of the patient either in the intensive care unit or on the wards. In addition, the student is involved in formal beside presentations, journal club presentations, and case presentations. The student is expected to attend and participate in conferences sponsored by the Liver Transplant Service including: 1) Transplant morbidity/mortality conference (monthly); 2) Multidiciplinary Liver Cancer Conf. (weekly); 3) Carcinoid & Neuroendocrine Tumor Conf. (monthly); 4) Journal Club (monthly); 5) Transplant Patient Selection Committee (weekly); 6) Transplant Grand Rounds (monthly).

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

1. Demonstrate ability to make concise patient presentation
2. Interpret common imaging modalities used to diagnose liver and pancreatic pathology, including CT scan and MRI
3. Demonstrate knowledge of common chronic and acute diseases of the liver, including benign and malignant masses.
4. Demonstrate knowledge of indications for solid organ transplantation, including kidney, pancreas, liver, heart and lung.
5. Participate in patient selection process through patient encounters and presentation at selection committee meeting.
6. Identify common side effects and mechanism of action in common immunosuppressive medications.
7. Manage post-operative patients after liver resection and pancreatic resection.
8. Describe surgical approach and techniques for organ procurement and organ transplantation, resection, regional therapy, and transplantation.
9. Gain an understanding of the treatment options for liver cancer, including local therapy, resection, regional therapy, and transplantation.

**STUDENT EXPERIENCES**

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>PRIMARY CARE:</th>
<th>CONSULTATION:</th>
<th>X INTERNS</th>
<th>X RESIDENTS</th>
<th>X FULL-TIME FACULTY</th>
<th>X CLINICAL FACULTY</th>
<th>OTHER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Anatomy and surgical approach to liver, pancreas, mesenteric vessels</td>
<td>75%</td>
<td>25%</td>
<td>80%</td>
<td>20%</td>
<td></td>
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<tr>
<td>2. Liver mass</td>
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<tr>
<td>3. Immunosuppression</td>
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<td>4. Organ procurement</td>
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<tr>
<td>5. Indications for transplantation</td>
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<tr>
<td>6. Transplant selection process</td>
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<td>7. Complications of transplantation</td>
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<td>8. Hepatitis</td>
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</table>

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:**
20

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

**TYPICAL WEEKLY SCHEDULE**

<table>
<thead>
<tr>
<th>Hour</th>
<th>AM</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00</td>
<td>Work rounds</td>
<td>1:00 Hepatobiliary Surgery Clinic</td>
</tr>
<tr>
<td>7:00</td>
<td>Grand Rounds</td>
<td>2:00 –4:00 Transplant Clinic</td>
</tr>
<tr>
<td>9:00</td>
<td>Independent Study</td>
<td>4:00 –5:00 Work rounds</td>
</tr>
<tr>
<td>10:00</td>
<td>Elective Surgery</td>
<td>1:00 –4:00 Hepatobiliary Surgery Clinic</td>
</tr>
<tr>
<td>11:00</td>
<td>Free time</td>
<td>4:00-5:00 Work rounds</td>
</tr>
</tbody>
</table>

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** No in-house call, however, student is to remain on pager during assigned home on-call dates.

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Due to the unpredictable nature of transplantation students will be on-call assigned dates for organ procurements and solid organ transplants including kidney, pancreas, heart, lung and liver. Attendance at transplant surgery will take priority over all other clinical activities until the student has attended or scrubbed 2 organ procurements and one of each type of solid organ transplant surgery.
SU370.01  THORACIC SURGERY

Subinternship  Location: CS  2008-2009
Revised: 9/16/08

COURSE CHAIR:  Robert McKenna.
PHONE #:  310-423-8353
E-MAIL:  shirin.towfigh@cshs.org

SUPPORTING FACULTY:
Drs. Clark Fuller, Wen Cheng, Ali Mahtabifard

STUDENT COORDINATOR:  Sheila Yancy
PHONE #:  310-423-5883
E-MAIL:  sheila.yancy@cshs.org

REPORT TO:  Sheila Yancy @ 8730 Alden Drive, Thailians Bldg.
W221 @ 9:00 am.

PREREQUISITES:  All third year required clerkships

AVAILABLE FOR EXTERNALS:  Yes

STUDENTS / PERIOD:  max 2 min 1

DURATION:  3 weeks

2008-2009 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION:  This sub-internship is intended to provide the student with in-depth knowledge of thoracic surgery as it relates to common chronic medical illnesses as well as surgical disease processes. Pre-operative assessment of the patient in the clinic setting, hands-on participation in the OR, and post-operative care of the patient either in the ICU or on the wards. Also, the student is involved in formal bedside presentations, journal club presentations, and case presentations, which are teaching sessions that are held weekly.

COURSE OBJECTIVES (in order of importance)
1. Patient history as it relates to thoracic disorders
2. Perform a focused physical exam of the chest, lung, and heart
3. Make a thoracic surgery patient presentation at the bedside
4. Knowledge of common acute and chronic lung disorders
5. Knowledge of common malignancies and infectious processes affecting the chest and mediastinum
7. Appropriate use of imaging modalities, such as plain Xray, MRI, and CT scan to diagnose or follow-up on lung diseases
8. Appropriate bedside procedures performed both diagnostically and therapeutically, including thoracentesis, tube thoracostomy, pleurodesis, and pulmonary function testing
10. Minimally invasive surgical options for patients with thoracic disorders, eg, video-assisted thoracic surgery
11. Knowledge of clinical criteria for lung transplantation
12. Knowledge of common post-operative complications seen with thoracic surgery
13. Treatment recommendations for lung carcinoma
14. Knowledge of risk assessment of patients with chronic lung disease in the peri-operative setting
15. Knowledge of bronchial anatomy

COMMON PROBLEMS/DISEASES
1. Lung carcinoma
2. End-stage lung disease
3. Emphysema
4. Pleural diseases
5. Mediastinal diseases
6. Esophageal carcinoma

INPATIENT:  85%
OUTPATIENT:  15%
CONSULTATION:  35%
PRIMARY CARE:  65%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:  25
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:  110

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>6:30 AM Rounds 7:00-5:00 All day OR and clinic</td>
<td>6:30 AM Rounds 8:00 Pulmonary case review; Thoracic Tumor Board 9:00 McKenna Clinic</td>
<td>6:30 AM Rounds 7:30 Thoracic Case Presentation; M+M Conference; Journal Club 8:30-noon: OR</td>
<td>6:30 AM Rounds 8:00 M+M Matrix Conference 9:00-noon OR</td>
<td>6:30 AM Rounds 9:00 McKenna Clinic</td>
</tr>
<tr>
<td>PM</td>
<td>7:00-5:00 All day OR and clinic</td>
<td>1:00-4:00 Clinic</td>
<td>1:00-5:00 OR</td>
<td>1:00-5:00 OR</td>
<td>1:00-4:00 OR</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  None.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  Students are expected to participate in weekend rounds for routine patient care.
COURSE CHAIR: Philip K. Frykman, MD, PhD.  
PHONE #: (310) 423-8353  
E-MAIL: Shrin.Towfigh@cshs.org

SUPPORTING FACULTY: Drs. Steve Chen and Thomas Hui

STUDENT COORDINATOR: Sheila Yancy  
PHONE #: (310) 423-3544  
E-MAIL: sheila.yancy@cshs.org

REPORT TO: Report to Sheila Yancy, 8730 Alden Drive, Thalians Bldg. W221, Room 221 @ 9:00 am

PREREQUISITES: All third year core clerkships

AVAILABLE FOR EXterns: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2008-2009 ROTATIONS BEGIN WEEKS: 2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This sub-internship is intended to provide the student with in-depth knowledge of pediatric surgery in the acute and subacute setting. The student is expected to function at the level of an intern, including pre-operative assessment of the patient in the clinic or inpatient setting, participation in the operating room, and post-operative care of the patient, either in the intensive care unit or on the wards.

Common Problems/Diseases

1. Gastroesophageal reflux disease
2. Appendicitis
3. Hemia (inguinal & umbilical)
4. Tracheoesophageal fistula
5. Diaphragmatic hernia
6. Necrotizing enterocolitis
7. Hirschsprung’s disease
8. Pyloric stenosis

Approximate # of Patients evaluated each week by Student: 20

Total # of Patients evaluated each week by entire Service: 80

Student Experiences

<table>
<thead>
<tr>
<th>Common Problems/Diseases</th>
<th>Inpatient:</th>
<th>Consultation:</th>
<th>Outpatient:</th>
<th>Primary Care:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Gastroesophageal reflux disease</td>
<td>85%</td>
<td>20%</td>
<td>15%</td>
<td>80%</td>
</tr>
<tr>
<td>2. Appendicitis</td>
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<tr>
<td>3. Hemia (inguinal &amp; umbilical)</td>
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<tr>
<td>4. Tracheoesophageal fistula</td>
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<tr>
<td>5. Diaphragmatic hernia</td>
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<tr>
<td>6. Necrotizing enterocolitis</td>
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<td>7. Hirschsprung’s disease</td>
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<td>8. Pyloric stenosis</td>
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Typical Weekly Schedule

<table>
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<tr>
<th>Hour</th>
<th>Monday</th>
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<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>6:00-7:00 Work rounds 8:00-9:30 Attending rounds 9:30-11:00 Independent Study time 11:00-12:00 Ped. Surgery Conf. Resident teaching</td>
<td>6:00-7:00 work rounds 7:00-12:00 OR (Dr. Frykman)</td>
<td>6:00-7:00 work rounds 7:00-8:00 Grand Rounds 8:00-12:00 OR (Dr. Chen)</td>
<td>6:00-7:00 work rounds 7:00-8:00 Resident med student teaching conf. 8:00-9:00 M&amp;M Matrix Conference 9:00-10:30 Attending rounds 10-12 CHC clinic</td>
<td>6:00-7:00 work rounds 8:00-9:30 Attending rounds 9:00-12:00 OR</td>
</tr>
<tr>
<td>PM</td>
<td>1:00-5:00 CHC Clinic (Dr. Frykman)</td>
<td>12:00-5:00 OR (Dr. Frykman)</td>
<td>12:00-5:00 OR</td>
<td>1:00-2:30 Lab research meeting (Dr. Frykman) 12-5 CHC clinic (Dr. Chen)</td>
<td>12:00-3:00 OR 3:00-Free time</td>
</tr>
</tbody>
</table>

On-Call Schedule & Weekend Activities: Overnight in-house call every 4th night w/ Pediatric Surgery resident.

Additional Comments and Other Special Requirements: Student expected to participate in weekend rounds for routine patient care.
COURSE CHAIR: Shirin Towfigh, M.D. 
PHONE #: (310) 423-8350 
E-MAIL: shirin.towfigh@cshs.org

SUPPORTING FACULTY: 
Drs. Alexander Allins, Scott Cunneen, Ted Khalili, Gregg Kai Nishi

STUDENT COORDINATOR: Sheila Yancy 
PHONE #: (310) 423-3544 
E-MAIL: sheila.yancy@cshs.org

REPORT TO: Report to Sheila Yancy 
8730 Alden Drive, 2W, Room 221 @ 9:00 am

PREREQUISITES: All third year core clerkships

AVAILABLE FOR EXTERNALS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2008-2009 ROTATIONS BEGIN WEEKS: 2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This sub-internship is intended to provide the student with in-depth knowledge of general surgery and weight loss surgery using minimally invasive techniques. The student is expected to function at the level of an intern, including pre-operative assessment of patient in the clinic setting, participation in the operating room and post-operative care of the patient either in the intensive care unit or on the wards. In addition, the student is involved in formal bedside presentations, journal club presentations, and case presentations, which are teaching sessions that are held weekly or bi-weekly.

COMMON PROBLEMS/DISEASES
1. Gastro-esophageal reflux disorder
2. Inguinal and abdominal wall hernias
3. Morbid obesity
4. Adrenal mass
5. Splenomegaly
6. Choledocholithiasis

INPATIENT: 80%
OUTPATIENT: 20%
CONSULTATION: 5%
PRIMARY CARE: 95%

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

APPORXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 20
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 200

TYPICAL WEEKLY SCHEDULE

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<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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<th>Thursday</th>
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<tbody>
<tr>
<td>AM</td>
<td>7:00 - noon OR (Bariatric)</td>
<td>7:00-noon OR (MIS)</td>
<td>7:00 Grand Rounds</td>
<td>7:00 Educational Conf.</td>
<td>7:00—noon OR (Bariatric)</td>
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<td>8:00 –noon (Bariatric)</td>
<td>8:00 M+M Matrix</td>
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<td>09:00 (Baraiatric)</td>
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<tr>
<td>PM</td>
<td>1:00 –4:30 Clinic (MIS)</td>
<td>1:00-4:00 OR (MIS)</td>
<td>1:00-5:00 OR (Bariatric)</td>
<td>1:00-4:30 Clinic (MIS)</td>
<td>1:00-4:30 Clinic (MIS)</td>
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<td>4:00 Education Conf.</td>
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<td>5:00 –6:00 MIS/ Bariatric M+M</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No on-call.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: No on-call, however, the student is expected to participate in weekend rounds for routine patient care.
COURSE CHAIR: Brant Putman, M.D.  
PHONE #: (310) 222-5251  
E-MAIL: brantputnam@hotmail.com

SUPPORTING FACULTY:  
Drs. Frederic Bongard, Timothy Van Natta, and Angela Nelville.

STUDENT COORDINATOR: Kris Holstrom  
PHONE #: (310) 222 5251  
E-MAIL: kholstrom@labiomed.org

REPORT TO: Harbor-UCLA, 3WICU, report to the Surgical

PREREQUISITES: Inpatient Surgery

AVAILABLE FOR EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2008-2009 ROTATIONS BEGIN WEEKS: 2,5,8,11,14,17,20,27,30,33,36,39,42,45,48

DESCRIPTION: Students will receive an intense overview of surgical and trauma-related diseases in the Surgical Intensive Care Unit at Harbor-UCLA. Basic critical care principles such as management of brain trauma, sedation, and analgesia, ventilator management, hemodynamic support, acid/base, fluids and electrolytes, surgical nutrition, and sepsis/organ dysfunction will be emphasized. Students will have a hands-on experience by actively evaluating and managing new patients, performing bedside procedures such as flexible bronchoscopy, chest tubes, and central line insertions with supervision, participating in daily rounds with faculty, and giving an oral presentation at the end of the rotation during the Trauma/Critical Care Conference.

COURSE OBJECTIVES (in order of importance)

1. Gain an understanding of fluid resuscitation and the use of hemodynamic support in trauma/surgical patients
2. Describe the use of pulmonary artery catheters in surgical patients.
3. Gain an understanding of the management of ventilators for acute respiratory failure.
4. Demonstrate a focused history and physical examination using the primary and secondary survey for a trauma or surgical patient.
5. Describe the management of traumatic brain injury and other surgical CNS diseases.
6. Interpret arterial blood gases.
7. Manage electrolyte and metabolic problems in the critically ill patient.
8. Gain a basic understanding of the principles of surgical nutrition.
9. Describe the principles of managing a critically ill patient with intra-abdominal or intra-thoracic sepsis.
10. Perform ICU procedures, including central line and arterial line insertions, tube thoracostomy, and flexible bronchoscopy.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Multisystem trauma
2. Septic shock/severe sepsis
3. Acute respiratory failure
4. Hypovolemic shock
5. Acute renal insufficiency
6. Myocardial infarction
7. Damage control surgery
8. Ischemic bowel

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 25

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 100

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>6AM-8AM ICU Teaching Rounds</td>
<td>6AM-8AM ICU Teaching Rounds</td>
<td>6AM-7:30AM ICU Teaching Rounds</td>
<td>6AM-8AM ICU Teaching Rounds</td>
<td>6AM-8AM ICU Teaching Rounds</td>
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<tr>
<td></td>
<td>9AM-10AM ICU X-Ray Rounds</td>
<td>9AM-10AM ICU Professor Teaching Rounds</td>
<td>7:30AM-8:30AM Dept. of Surgery Grand Rounds</td>
<td>8:30AM-10AM Surgery M&amp;M</td>
<td>10AM-12PM ICU Patient Evaluation/Management</td>
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<tr>
<td></td>
<td>10AM-12PM ICU Patient Evaluation/Management</td>
<td>10AM-11AM ICU Multidisciplinary Rounds</td>
<td>11AM-12PM Surgery Junior Housestaff Lecture</td>
<td>1PM-4PM ICU Patient Evaluation/Management</td>
<td>1PM-4PM ICU Patient Evaluation/Management</td>
</tr>
<tr>
<td>PM</td>
<td>1PM-4PM ICU Patient Evaluation/Management</td>
<td>1PM-4PM ICU Patient Evaluation/Management</td>
<td>12PM-4PM ICU Patient Evaluation/Management</td>
<td>1PM-4PM Trauma Clinic</td>
<td>1PM-4PM ICU Patient Evaluation/Management</td>
</tr>
<tr>
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<td>4PM-5PM ICU WorkRounds</td>
<td>4PM-5PM ICU WorkRounds</td>
<td>4PM-5PM ICU WorkRounds</td>
<td>4PM-5PM ICU WorkRounds</td>
<td>4PM-5PM ICU WorkRounds</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: 1 overnight call per week

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: