AN250.02 ANESTHESIOLOGY

Advanced Clinical Clerkship Location: WVA 2010-2011
Revised: 12/7/09

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

90%
10%
10%
90%

COMMON PROBLEMS/DISEASES
1. Chronic Obstructive Pulmonary Disease
2. Coronary Artery Disease
3. Difficult Airway
4. General surgery (hernia, cholelithiasis)
5. ENT (tumor, deviated nasal septum)
6. Cataract, lens implant
7. Orthopedic (fractures, total hip)
8. Neurosurgery (tumor, aneurysm)

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 12 - 13
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 100

TYPICAL WEEKLY SCHEDULE

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<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>7:00 Operating Room</td>
<td>7:00 Operating Room</td>
<td>8:00 Operating Room</td>
<td>7:00 Operating Room</td>
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<td></td>
<td>11:00 Lecture</td>
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<td></td>
<td>3:00 Pre- and Post-Op Patient Evaluation</td>
<td>OR</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: *No medical students in the month of December due to low patient volume in the VA system.
AN250.03  ANESTHESIOLOGY

Advanced Clinical Clerkship  Location: HARBOR  2010-2011

Revised: 11/17/09

COURSE CHAIR: Clinton Kakazu, M.D.
PHONE #: (310) 222-3472
E-MAIL: e-mail

SUPPORTING FACULTY: Dr. Y Wu and Faculty

STUDENT COORDINATOR: Paula M. Conley
PHONE #: (310) 222-3472
E-MAIL: p.conley49@worldnet.att.net

REPORT TO: Dr. Kakazu or Y. Wu, 2nd Floor Surgery Suite at 8 a.m. first day of clerkship

PREREQUISITES: None

AVAILABLE FOR EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2010-2011 ROTATIONS BEGIN WEEKS:
3, 6, 9, 12, 15, 18, 21, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This elective introduces the students to the skills associated with anesthesia which are essential and useful to physicians of any specialty. These include airway management, the care of the unconscious patients, cardiopulmonary resuscitation, and management of acute surgical emergencies. Also, introducing with trauma anesthesiology experience in a Tier I trauma hospital with high patient volume. Provide broad perspective of various roles in Anesthesia including: preoperative clinic, pain clinic, and regional anesthesia experience.

COURSE OBJECTIVES (in order of importance)
1. Airway Management.
2. Knowledge of common anesthetic agents.
3. Knowledge of how a patient’s condition affects his or her response to anesthesia.
4. Knowledge of different anesthetic techniques.
5. Knowledge of regional anesthesia.
6. Pre-operative evaluation anesthesia record keeping.
7. Interpretation of blood gases, pulmonary function testing, SG monitoring.
8. Post-operative care and evaluation.
9. Knowledge of essential and important drugs used in resuscitation.

COMMON PROBLEMS/DISEASES
1. Airway Management Problems
2. Trauma, Shock Patient
3. COPD, Asthma
4. Coronary Artery Disease
5. Diabetes
6. Renal Failure
7. Hypertension
8. Multisystem Dysfunction

STUDENT EXPERIENCES

| INPATIENT | 70% |
| OUTPATIENT | 30% |
| CONSULTATION | 10% |
| PRIMARY CARE | 90% |
| CLOSE CONTACT WITH |
| X FULL-TIME FACULTY |
| CLINICAL FACULTY |
| X FELLOWS |
| X RESIDENTS |
| INTERNS |
| OTHER |

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:
10

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:
200+

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>Clinical Anesthesia in O.R.</td>
<td>6:45 – 7:15 Morning Rounds</td>
<td>7:00 – 9:00 Didactic Lecture M&amp;M Conference</td>
<td>6:45 – 7:15 Morning Rounds</td>
<td>6:45 – 7:15 Morning Rounds</td>
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<td></td>
<td>Clinical Anesthesia in O.R.</td>
<td>Clinical Anesthesia in O.R.</td>
<td>Clinical Anesthesia in O.R.</td>
<td>Clinical Anesthesia in O.R.</td>
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<td>3:00 – 5:00 Didactic (Chapter Review/ Journal Club)</td>
<td>3:00-5:00 Tutorials</td>
<td>3:00-5:00 Tutorials</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Optional
COURSE OBJECTIVES (in order of importance)
1. Introduction to principles and technique of both general and regional anesthesia.
2. Airway management including proper use of the mask and endotracheal intubation.
3. Introduction to invasive monitoring, including Swan-Ganz catheters, CVPs and arterial lines.
4. Fluid and electrolyte management intra-op.
5. Post-op pulmonary ventilation.
6. Introduction to OB Anesthesia.

STUDENT EXPERIENCES
CLOSE CONTACT WITH:
X FULL-TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
OTHER:
90%
10%
10%
90%

COMMON PROBLEMS/DISEASES
1. Cardiovascular disease
2. COPD
3. Hypertension
4. Diabetes
5. Renal Failure
6. Trauma
7. Multisystem dysfunction
8. Pediatric Problems

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

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 416

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>Clinical Anesthesia in O.R.</td>
<td>Clinical Anesthesia in O.R.</td>
<td>Clinical Anesthesia in O.R.</td>
<td>7:00 – 8:00 Didactic Lecture 2nd &amp; 4th Wed. of each month Clinical Anesthesia in O.R.</td>
<td>Clinical Anesthesia in O.R.</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None required; however, student may elect to take call.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
AN250.07 ANESTHESIOLOGY

Advanced Clinical Clerkship

Location: OVH

2010-2011 Revised: 11/24/09

COURSE CHAIR:
Rima Matevosian, M.D.
(818) 364-4350
E-MAIL: rmatevosian@mednet.ucla.edu

COURSE OBJECTIVES (in order of importance)
1. Introduction to principles and technique of both general and regional anesthesia.
2. Airway management including proper use of the mask and endotracheal intubation.
3. Introduction to invasive monitoring, including Swan-Ganz catheters, CVPs and arterial lines.
4. Fluid and electrolyte management intra-op.
5. Introduction to OB Anesthesia.

SUPPORTING FACULTY:

STUDENT EXPERIENCES

CLOSE CONTACT WITH:

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

INPATIENT: 50%
OUTPATIENT: 50%
CONSULTATION: 20%
PRIMARY CARE: 80%

COMMON PROBLEMS/DISEASES

1. Hypoxia
2. Diabetes
3. Obesity
4. Asthma/COPD

STUDENT EXPERIENCES

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 105

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>Clinical ANES in O.R.</td>
<td>Clinical ANES in O.R.</td>
<td>Clinical ANES in O.R.</td>
<td>7:00 – 8:00 Clinical Conference</td>
<td>Clinical ANES in O.R.</td>
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<td>PM</td>
<td>Clinical in O.R.</td>
<td>Clinical in O.R.</td>
<td>Clinical in O.R.</td>
<td>Clinical in O.R.</td>
<td>Clinical in O.R.</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: If scheduling permits, students will attend at least one session at the UCLA Anesthesiology Simulator.
AN298.01  PAIN MEDICINE

Advanced Clinical Clerkship  Location: S. MONICA  2010-2011  Revised: 11/17/09

COURSE CHAIR:  F. Michael Ferrante, M.D.  (310) 319-2241  E-MAIL: mferrante@mednet.ucla.edu

SUPPORTING FACULTY:  Nirmala Hidalgo, M.D., and Eric Hsu, M.D.

STUDENT EXPERIENCES

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

INPATIENT:
0%

OUTPATIENT:
100%

CONSULTATION:
100%

PRIMARY CARE:
0%

COMMON PROBLEMS/DISEASES
1. Neuropathic Pain
2. Somatic Pain
3. Postoperative Pain
4. Visceral Pain
5. Complex Regional Pain Syndrome
6. Back and Neck Pain

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:  20 - 25

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:  125

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>7:30 - 12:00 Procedures</td>
<td>8:00 - 12:00 Clinic</td>
<td>8:00 - 12:00 Clinic</td>
<td>8:00 - 12:00 Clinic</td>
<td>8:00 - 12:00 Clinic</td>
</tr>
<tr>
<td>PM</td>
<td>1:00 - 4:00 Procedures</td>
<td>1:00 - 5:00 Clinic</td>
<td>1:00 - 4:30 Clinic/Procedures</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Clinic</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
AN310.02  INTENSIVE CARE UNIT, CARDIAC SURGERY

Subinternship/Inpatient Location: CS 2010-2011
Revised: 12/9/09

COURSE CHAIR:
Nicola D’Attellis, M.D.  (310) 423-5846

SUPPORTING FACULTY:
Drs. M. Wilson, L. Czer, S. Raissi, N. O’Atellis, J. Pryor

STUDENT COORDINATOR:
Cathy Lobue  (310) 423-5846
E-MAIL: cathy.lobue@cshs.org

REPORT TO: Cathy Lobue, 8730 Alden Dr., 2W, Room 221 @ 8:00

PREREQUISITES: Internal & Ambulatory Medicine and Surgery

AVAILABLE FOR EXTERNS: Yes

STUDENTS / PERIOD: max  3  min  1

DURATION: 3 weeks

2010-2011 ROTATIONS BEGIN WEEKS:
3, 6, 9, 12, 15, 18, 21, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This is an intensive care unit-based service that focuses on the medical management of the open heart surgery patient. Students also have the opportunity to observe and scrub in on cardiac surgery cases. This is a practical rotation for students. They will benefit by a close association with full-time faculty, cardiology fellows, and cardiac surgeons throughout each day. The primary emphasis will be on hands-on patient care and procedures with in-depth consideration of physical findings and ancillary laboratory testing. Students attend two daily lectures on EKG interpretation and on general cardiology topics.

COURSE OBJECTIVES (in order of importance)
1. Knowledge of the timing and role of surgery for coronary and valvular heart disease.
2. History and physical examination of patients with coronary artery disease or valvular heart disease.
3. Evaluation of specialized cardiac tests that are of importance for patients being assessed for open-heart surgery. (CXR, EKG, echocardiograms, nuclear scintigrams, coronary angiograms, and cardiac catheterization data).
4. Medical judgment, analysis of medical data, and synthesis of information in the preoperative patient.
5. The care of patients in the early postoperative period, with emphasis on low cardiac output state, pulmonary insufficiency, tamponade, and arrhythmias.
6. Diagnosis and treatment of various arrhythmias.
8. Oral presentations.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Coronary artery disease
2. Valvular heart disease
3. Arrhythmias
4. Congestive heart failure
5. Anticoagulation
6. Sepsis, renal failure, pulmonary complications
7. Anemias
8. Drug interactions

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

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

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 5
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 40

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:00 - Morning Rds on post open-heart surgery patients</td>
<td>8:00 - Arrhythmia Conf.</td>
<td>8:30 Morning Rounds</td>
<td>9:00 Morning Rounds</td>
<td>8:00 Morning Rounds</td>
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<td>10:00 - Work Rds with Attending Cardiologists, Fellow and House Staff</td>
<td>9:00 - Cardiology Grand Rounds</td>
<td>10:00 Work Rounds with Attending and Team</td>
<td>10:00</td>
<td>10:00 Work Rounds with Attending and Team</td>
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<td></td>
<td>10:00 - Work Rds with Attending and Team</td>
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<td>PM</td>
<td>12:00 - EKG Lecture 1:00 - Perform Workup and review data for next day’s surgical patient</td>
<td>12:00 - EKG Lecture 1:00 - Workups of Next Day’s Patients</td>
<td>12:00 - EKG Lecture 1:00 - Workups Patients</td>
<td>12:00 - EKG Lecture 1:00 - Workups Patients</td>
<td>12:00 - EKG Lecture 1:00 - Workups Patients</td>
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<td>3:00 - Afternoon Rounds Cardiology Lecture</td>
<td>3:00 - Afternoon Rounds Cardiology Lecture</td>
<td>3:00 - Afternoon Rounds Cardiology Lecture</td>
<td>3:00 - Afternoon Rounds Cardiology Lecture</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: No call or weekends.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: In addition, x-rays, electrocardiograms, echocardiograms, and coronary angiograms are gone over in detail with the attending cardiologist to provide in-depth teaching for the entire team. If the student wishes, opportunities are amply available for exposure to ongoing research projects.
AN350.01 SUBINTERNSHIP IN ANESTHESIOLOGY

Subinternship Location: UCLA/SM 2010-2011 Revised: 12/9/09

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

INPATIENT:
1. Pulmonary disease
2. Cardiac disease
3. Renal disease
4. Critical care
5. Pain management
6. Obstetrics
7. Neurologic disease

OUTPATIENT:
1. Pain management
2. Obstetrics
3. Neurologic disease

CONSULTATION:
1. Critical care
2. Pain management
3. Obstetrics
4. Neurologic disease

PRIMARY CARE:

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 200

COURSE OBJECTIVES (in order of importance)
1. Teach the student clinical physiology and pathophysiology.
2. Teach the student principles of clinical pharmacology.
3. Teach the student how to prepare patients for anesthesia and surgery.
4. Introduce the student to the management of anesthesia for subspecialty surgery.
5. Airway management (control of airway with mask, endotracheal intubation).
6. Familiarize the student with the techniques of general and regional anesthesia.
7. Introduce the practical pharmacology of sedatives, narcotics, and local anesthesia.
8. Introduce monitoring (EKG, BP, pulse oximetry and invasive monitors).
9. Experience establishing lines: IV, CVP, Swan-Ganz, and arterial lines.
10. Introduce critical care (resuscitation, IV fluid management, and mechanical ventilation).

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>7:00 – 9:00 Intubation Training</td>
<td>6:30 – 12:00 Operating Room</td>
<td>7:00 – 8:00 Grand Rounds</td>
<td>6:30 – 12:00 Operating Room</td>
<td>6:30 – 12:00 Operating Room</td>
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<td>IV Catheter Training</td>
<td>12:00 – 3:30 Operating Room</td>
<td>8:30 – 12:00 Operating Room</td>
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<td>9:00 – 12:00 Operating Room</td>
<td>3:30 – 4:00 Case Conference</td>
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<td>PM</td>
<td>12:00 – 3:30 Operating Room</td>
<td>4:00 – 5:00: Lecture</td>
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<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Clinic</td>
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<td>4:30 Pre- &amp; Post-Op Patient Evaluation</td>
<td>5:00: Post-Op Patient Evaluation</td>
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<td>5:00 -6:00 Didactics</td>
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<td>6:30 – 12:00 Operating Room</td>
<td>1:00 - 4:00 Clinic</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Overnight call once a week

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Report to Coco Camargo on first day. Faculty will orient student at this time.