

**AN250.02 ANESTHESIOLOGY**

Advanced Clinical Clerkship

Location: WVA

2013-2014  
Revised: 12/10/12**COURSE CHAIR:**

Kevin K. Win, M.D.

**PHONE #:**

(310) 268-3221

**E-MAIL:** kevin.win@va.gov**SUPPORTING FACULTY:**

Corey Downs, M.D.

**E-MAIL:** corey.downs@va.gov**STUDENT COORDINATOR:**

Victor Rosal

**PHONE #:**

(310) 268-3221

**E-MAIL:** [victor.rosal@va.gov](mailto:victor.rosal@va.gov)**REPORT TO:**

Victor Rosal, Rm. 5404 at 7:15 a.m.

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

1. Management of the airway — control of airway with mask, tracheal intubation.
2. Familiarize students with the principles and technique of general and regional anesthesia.
3. Preoperative evaluation of patients for anesthesia.
4. Anesthesia for general surgery and the surgical sub-specialty i.e., cardiac, neuro, ENT, ophthalmologic orthopedic, and urologic.
5. Establishing lines: IV lines.
6. Preoperative fluid management.
7. Pharmacology of anesthetic drugs: IV agents, inhalation agents, muscle relaxants.
8. Student may go to codes with supervising personnel if he or she wishes.

**COLLEGE AFFILIATION:** Acute Care**AVAILABLE FOR EXTERNS:** No**STUDENTS / PERIOD:** max 1 min 1**DURATION:** 2 weeks**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 28, 30, 32, 34, 38, 40, 42, 44, 46, 48, 50

**DESCRIPTION:** Two-week maximum elective. Excellent for fourth-year medical students to learn basic airway management, establishment of IV access, and gain insight about anesthesia**STUDENT EXPERIENCES****COMMON PROBLEMS/DISEASES**

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

**INPATIENT:**

90%

**OUTPATIENT:**

10%

**CONSULTATION:**

10%

**PRIMARY CARE:**

90%

**CLOSE CONTACT WITH:**

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

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

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:00 Operating Room  11:00 Lecture	7:00 Operating Room  11:00 Lecture	8:00 Operating Room  11:00 Lecture	7:00 Operating Room  11:00 Lecture	7:00 Operating Room  11:00 Lecture
<b>PM</b>	OR  3:00 Pre- and Post-Op Patient Evaluation	OR	OR	OR  Pre-Operative Clinic	OR

**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

2013-2014  
Revised: 12/10/12**COURSE CHAIR:**

Clinton Kakazu, M.D.

**E-MAIL:****PHONE #:**

(310) 222-3472

**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.

**SUPPORTING FACULTY:**

Dr. Y Wu and Faculty

**STUDENT COORDINATOR:**

Shoni Maddox

**E-MAIL:** smaddox@dhs.lacounty.gov**PHONE #:**

(310) 222-3472

**REPORT TO:**Dr. Kakazu or Y. Wu, 2nd Floor Surgery Suite at  
8 a.m. first day of clerkship**COLLEGE AFFILIATION:** Acute Care**AVAILABLE FOR EXTERNS:** Yes**STUDENTS / PERIOD:** max 2 min 1**DURATION:** 3 weeks**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**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.

**STUDENT EXPERIENCES****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

**INPATIENT:**

70%

**OUTPATIENT:**

30%

**CONSULTATION:**

10%

**PRIMARY CARE:**

90%

**CLOSE CONTACT WITH:**

- X FULL-TIME FACULTY
- CLINICAL FACULTY
- 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**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	Clinical Anesthesia in O.R.	6:45 – 7:15 Morning Rounds  Clinical Anesthesia in O.R.	7:00 – 9:00 Didactic Lecture M&M Conference  Clinical Anesthesia in O.R.	6:45 – 7:15 Morning Rounds  Clinical Anesthesia in O.R.	6:45 – 7:15 Morning Rounds  Clinical Anesthesia in O.R.
<b>PM</b>	Pre- & Post-Op Rounds	Pre- & Post-Op Rounds  3:00 – 5:00 Didactic (Chapter Review/ Journal Club)	Pre- & Post-Op Rounds  3:00-5:00 Tutorials	Pre- & Post-Op Rounds	Pre- & Post-Op Rounds

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Optional

**AN250.06 ANESTHESIOLOGY**

Advanced Clinical Clerkship

Location: CS

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**

Ronald H. Wender, M.D.

**E-MAIL:** ronald.wender@cshs.org

**PHONE #:**

(310) 423-5841

**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 edotracheal 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.

**SUPPORTING FACULTY:**

Attending Staff

**STUDENT COORDINATOR:**

Cathy Lobue

**E-MAIL:** cathy.lobue@cshs.org

**PHONE #:**

(310) 423-5846

**REPORT TO:**

Dept. of Anesthesiology, Room 8211, Cedars-Sinai Med Center, 8:30 a.m.

**COLLEGE AFFILIATION:** Acute Care

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 4 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**DESCRIPTION:** An introduction to airway management as well as principles and practice of anesthesia.

STUDENT EXPERIENCES		
<b>COMMON PROBLEMS/DISEASES</b> 1. Cardiovascular disease 2. COPD 3. Hypertension 4. Diabetes 5. Renal Failure 6. Trauma 7. Multisystem dysfunction 8. Pediatric Problems	<b>INPATIENT:</b>	90%
	<b>OUTPATIENT:</b>	10%
	<b>CONSULTATION:</b>	10%
	<b>PRIMARY CARE:</b>	90%
	<b>CLOSE CONTACT WITH:</b>	
	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:** 416

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	Clinical Anesthesia in O.R.	Clinical Anesthesia in O.R.	Clinical Anesthesia in O.R.	7:00 – 8:00 Didactic Lecture 2nd & 4th Wed. of each month  Clinical Anesthesia in O.R.	Clinical Anesthesia in O.R.
<b>PM</b>	Pre- & Post-Op Rounds	Pre- & Post-Op Rounds	Pre- & Post-Op Rounds	Pre- & Post-Op Rounds  4:30 Conference	Pre- & Post-Op Rounds

**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

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**  
Karina Chan, M.D.  
**PHONE #:**  
(818) 364-4350  
**E-MAIL:** karchan@dhs.lacounty.gov

**SUPPORTING FACULTY:**  
Drs. Jeffrey Rusheen, Aram Messerlian, Stephen Nemeth,  
Maryetta Ovsepien and Timothy Yuen

**STUDENT COORDINATOR:**  
Juliet Esmaili  
**PHONE #:**  
(818) 364-4350  
**E-MAIL:** jesmaili@dhs.lacounty.gov

**REPORT TO:**  
Student Coordinator, 3A-113, OVMC, on the first day.

**COLLEGE AFFILIATION:** Acute Care

**AVAILABLE FOR EXTERNS:** Yes

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

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**  
2, 5, 8, 11, 14, 17, 20, 23, 27, 30, 33, 38, 41, 44, 47

**DESCRIPTION:** Students will work with clinical faculty in a busy county facility. The primary focus will be on how anesthesia and surgery affect patients with various diseases. Students will evaluate patients pre-operatively and actively participate in patients' anesthesia management and post-operative care. Students will work primarily with the attending Anesthesiology faculty who will provide daily intra-operative and peri-operative teaching. Students will be given guidance for self-learning utilizing selected journal articles and online resources. It is expected that this will enhance the learning experience provided by the faculty members.

- COURSE OBJECTIVES (in order of importance)**
1. Understand the key concepts of the perioperative evaluation of patients (i.e. airway examination and identifying risk factors).
  2. Understand the principles on the physiology and pathophysiology affecting a patient's anesthetic course.
  3. Develop the basic technical skills to manage a patient's airway; specifically, proper use of mask ventilation and advanced airways (i.e. endotracheal tubes and laryngeal mask airway).
  4. Understand the pharmacology of the drugs commonly used in anesthesia (i.e. induction agents, inhalation agents, neuromuscular blocking drugs, opiates).
  5. Understand the principles of perioperative electrolyte and fluid management (including blood transfusions).
  6. Learn to identify basic intraoperative problems and discuss differential diagnosis.
  7. Understand critical care issues for the Anesthesiologist.
  8. Develop skills in placing intra-venous catheters, arterial lines and central venous catheters.
  9. Understand the importance of post anesthesia management.
  10. Understand the importance on compassionate and respectful behavior when interacting with patients and their families in the perioperative setting.
  11. Understand the importance on communication with the perioperative team members to provide quality care.

**STUDENT EXPERIENCES**

<b>COMMON PROBLEMS/DISEASES</b>	1. Hypoxia	<b>INPATIENT:</b> 50%	<b>CLOSE CONTACT WITH:</b> FULL-TIME FACULTY X CLINICAL FACULTY FELLOWS X RESIDENTS INTERNS OTHER:
	2. Hypertension / CAD	<b>OUTPATIENT:</b> 50%	
	3. Diabetes	<b>CONSULTATION:</b> 20%	
	4. Obesity	<b>PRIMARY CARE:</b> 80%	
	5. Asthma/COPD		
	6. Hypotension		
	7. Hypercarbia		

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 10

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

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	Clinical ANES	Clinical ANES	Clinical ANES	7:00 – 8:00 Clinical Conference Clinical ANES	Clinical ANES
<b>PM</b>	Clinical ANES	Clinical ANES	Clinical ANES	Clinical ANES	Clinical ANES

**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

2013-2014  
Revised: 12/10/12**COURSE CHAIR:**

F. Michael Ferrante, M.D.

**E-MAIL:** mferrante@mednet.ucla.edu**PHONE #:**

(310) 319-2241

**SUPPORTING FACULTY:**

Eric Hsu, M.D. and Irene Wu, M.D.

**STUDENT COORDINATOR:**

Lucine Torosian

**E-MAIL:** [ltorosian@mednet.ucla.edu](mailto:ltorosian@mednet.ucla.edu)**PHONE #:**

(310) 267-8653

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

1. Knowledge of spinal medicine and somatic, neuropathic and visceral pain.
2. Improved history and physical exam.
3. Pain procedures: epidural analgesia, sympathetic blocks, neurolytic blocks, radiofrequency lesioning, spinal cord stimulation and implantation of intrathecal drug delivery systems.
4. Management of postoperative pain.
5. Pharmacology of opioids, NSAIDs, membrane-stabilizing agents, antidepressants, local-anesthetics.

**REPORT TO:**

Irene Wu, M.D., 1245 16th St., Ste. 225, Santa Monica; 8:00 a.m.

**COLLEGE AFFILIATION:** Urban Underserved**AVAILABLE FOR EXTERNS:** Yes**STUDENTS / PERIOD:** max 1 min 1**DURATION:** 3 weeks**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**DESCRIPTION:** This elective is designed to give the student hands-on training in the comprehensive evaluation, diagnosis and treatment of a wide variety of chronic pain conditions with emphasis on spinal medicine. These treatments include both medication management as well interventional techniques. Comprehensive evaluation includes complete history and physical examination with full development of plan of care for each patient. As the basic skills of evaluation and diagnosis are being obtained, the student is introduced to various pain procedures as listed above.

**STUDENT EXPERIENCES****COMMON PROBLEMS/DISEASES**

1. Neuropathic Pain
2. Somatic Pain
3. Postoperative Pain
4. Visceral Pain
3. Complex Regional Pain Syndrome
4. Back and Neck Pain

**INPATIENT:**

0%

**OUTPATIENT:**

100%

**CONSULTATION:**

100%

**PRIMARY CARE:**

0%

**CLOSE CONTACT WITH:**

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

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 20 - 25**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 200**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	8:00-12:00 Clinic	7:00—8:00 Didactics 8:00 - 12:00 Clinic	7:00—8:00 Didactics 8:00 - 12:00 Clinic	7:00—8:00 Didactics 8:00 - 12:00 Clinic	8:00 - 12:00 Procedures
<b>PM</b>	1:00 - 4:00 Clinic	1:00 - 4:00 Clinic	1:00 - 4:00 Clinic/Procedures	1:00 - 4:00 Clinic	1:00 - 4:00 Procedures

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** None

**AN310.02 INTENSIVE CARE UNIT, CARDIAC SURGERY**

Subinternship/Inpatient

Location: CS

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**  
Elizabeth Behringer, M.D.

**PHONE #:**  
(310) 423-5846

**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.
7. Knowledge of drugs: digitalis preparations, procainamide, inotropes, vasodilators, quinidine, lidocaine, amiodarone, beta blockers, calcium channel blockers, and other cardiotoxic agents.
8. Oral presentations.

**SUPPORTING FACULTY:**

Drs. M. Wilson, L. Czer, S. Raissi, N. O'Atellis, J. Pryor

**STUDENT COORDINATOR:**

Cathy Lobue

**PHONE #:**  
(310) 423-5846

**E-MAIL:** cathy.lobue@cshs.org

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

**COLLEGE AFFILIATION:** Acute Care

**AVAILABLE FOR EXTERNS:** Yes

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

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**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.

**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**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	8:00 - Morning Rds on post open-heart surgery patients 10:00 - Work Rds with Attending Cardiologists, Fellow and House Staff	8:00 - Arrhythmia Conf. 9:00 - Cardiology Grand Rounds 10:00 - Work Rounds with Attending and Team	8:30 Morning Rounds 10:00 Work Rounds with Attending and Team	9:00 Morning Rounds 10:00 Work Rounds with Attending and Team	8:00 Morning Rounds 10:00 Work Rounds with Attending and Team
<b>PM</b>	12:00 - EKG Lecture 1:00 - Perform Workup and review data for next day's surgical patient 3:00 - Afternoon Rounds Cardiology Lecture	12:00 - EKG Lecture 1:00 - Workups of Next Day's Patients 3:00 - Afternoon Rounds Cardiology Lecture	12:00 - EKG Lecture 1:00 - Workups Patients 3:00 - Afternoon Rounds Cardiology Lecture	12:00 - EKG Lecture 1:00 - Workups Patients 3:00 - Afternoon Rounds Cardiology Lecture	12:00 - EKG Lecture 1:00 - Workups Patients 3:00 - Afternoon Rounds Cardiology Lecture

**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

2013-2014  
Revised: 1/26/12

**COURSE CHAIR:**  
Mitchell Lin, M.D.

**PHONE #:**  
(310) 267-8653

**E-MAIL:** milin@mednet.ucla.edu

**SUPPORTING FACULTY:**  
Faculty

**STUDENT COORDINATOR:**  
Lucine Torosian

**PHONE #:**  
(310) 267-8653

**E-MAIL:** [ltorosian@mednet.ucla.edu](mailto:ltorosian@mednet.ucla.edu)

**REPORT TO:**  
Lucine Torosian, RRUMC Suite 3304 at 7:00 a.m.

**COLLEGE AFFILIATION:** Acute Care

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 6 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**  
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

- 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).

**DESCRIPTION:** Students will work on a one-to-one basis with an anesthesiology attending and resident in the operating room. In addition, students will be exposed to other aspects of anesthetic care, including outpatient anesthetic practice and preoperative assessment. Didactics will consist mainly of teaching in the OR and weekly grand rounds and resident didactic lectures. Students with special interests are urged to contact the department prior to joining the course. Students may rotate to two or three different sites during their rotation: Santa Monica Hospital, Ronald Reagan UCLA Medical Center and the Ambulatory Surgery Center nearby..

**STUDENT EXPERIENCES**

- COMMON PROBLEMS/DISEASES**
1. Pulmonary disease
  2. Cardiac disease
  3. Renal disease
  4. Critical care
  5. Pain management
  6. Obstetrics
  7. Neurologic disease

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

**CLOSE CONTACT WITH:**  
X FULL-TIME FACULTY  
X 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**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:00 – 9:00 Intubation Training IV Catheter Training 9:00 – 12:00 Operating Room	6:30 – 12:00 Operating Room	7:00 – 8:00 Grand Rounds 8:30 – 12:00 Operating Room	6:30 – 12:00 Operating Room	6:30 – 12:00 Operating Room
<b>PM</b>	12:00 – 4:00 Operating Room	12:00 – 3:30 Operating Room 3:30 – 5:00 Didactics	12:00 – 4:00 Operating Room	12:00 – 4:00 Operating Room	12:00 – 4:00 Operating Room

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** Overnight call once a week

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Report to Lucine Torosian on first day for orientation.

**AN350.02 SUBINTERNSHIP IN ANESTHESIOLOGY**

Subinternship

Location: OVH

2013-2014  
Revised: 6/7/12

**COURSE CHAIR:**  
Karina Chan, M.D.

**PHONE #:**  
(818) 364-4350

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

1. Understand the key principles of the pre-anesthesia evaluation and participate in evaluation in-patients scheduled for surgery.
2. Understand the key concepts of the perioperative evaluation of patients (i.e., airway examination and identifying risk factors).
3. Understand the principles of the physiology and pathophysiology affecting patient's anesthetic course.
4. Develop the basic technical skills to manage a patient's airway: specifically, proper use of mask ventilation and advanced airways (i.e. endotracheal tubes and laryngeal mask airway).
5. Understand the pharmacology of the drugs commonly used in anesthesia (i.e. induction agents, inhalation agents, neuromuscular blocking drugs, opiates).
6. Understand the principles of perioperative electrolyte and fluid management (including blood transfusions).
7. Learn to identify basic intraoperative problems and discuss differential diagnosis.
8. Develop skills in placing intra-venous catheters, arterial lines, and central venous catheters.
9. Understand critical care issues for the Anesthesiologist.
10. Understand the importance of compassionate and respectful behavior when interacting with patients and their families in the perioperative setting.

**SUPPORTING FACULTY:**

Drs. Jeffrey Rusheen, Aram Messerlian, Stephen Nemeth, Maryetta Ovsepiyan, and Timothy Yuen

**STUDENT COORDINATOR:**

Juliet Esmaili

**PHONE #:**  
(818) 364-4350

**E-MAIL:** [jesmaili@dhs.lacounty.gov](mailto:jesmaili@dhs.lacounty.gov)

**REPORT TO:** Juliet Esmaili at 7:00 am in 3A113 OVMC.

**COLLEGE AFFILIATION:** Acute Care College

**AVAILABLE FOR EXTERNS:** Yes

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

**DURATION:** 3 weeks

**2012-2013 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**DESCRIPTION:** Students will work with clinical faculty in a busy County facility. The primary focus will be on how anesthesia and surgery affect patients with various diseases. Students will participate in the pre-anesthesia evaluation of inpatients and actively participate in patients' anesthesia management and post-operative care. Students will work primarily with the attending Anesthesiology faculty who will provide daily intraoperative and perioperative teaching. Students will be assigned learning topics to discuss with the faculty. Students will also be expected to attend afternoon lectures provided by the faculty. At the end of the rotation, students will give a presentation regarding a pertinent topic of Anesthesiology in the perioperative setting.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

1. Hypoxia
2. Hypertension/CAD
3. Diabetes
4. Obesity
5. Asthma/COPD
6. Hypotension
7. Hypercarbia

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

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

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 3-4

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 40

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	Clinical ANES	Clinical ANES	Clinical ANES	Clinical ANES	Clinical ANES
<b>PM</b>	Clinical ANES Afternoon Lecture	Clinical ANES Afternoon Lecture	Clinical ANES Afternoon Lecture	Clinical ANES Afternoon Lecture	Clinical ANES Afternoon Lecture

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

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