AN250.02  ANESTHESIOLOGY

Advanced Clinical Clerkship
Location: WVA

2012-2013
Revised: 12/8/11

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:
Theresa Beers
PHONE #: (310) 478-3711 x40255
E-MAIL: Theresa.beers@va.gov

REPORT TO:
Theresa Beers, Rm. 5404 at 7:00 a.m.

COLLEGE AFFILIATION: Acute Care

AVAILABLE FOR EXternS: No

STUDENTS / PERIOD: max 1 min 1

DURATION: 2 weeks

2012-2013 ROTATIONS BEGIN WEEKS:
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 26, 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
CLOSE CONTACT WITH:
X FULL-TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
X OTHER:

COMMON PROBLEMS/DISEASES
1. Chronic Obstructive Pulmonary Disease
2. Coronary Artery Disease
3. Difficult Airway
4. Gen’l surgery (hernia, cholelithasis)
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%

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 12 - 13

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

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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</thead>
<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>
<td>7:00 Operating Room</td>
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<tr>
<td></td>
<td>11:00 Lecture</td>
<td>11:00 Lecture</td>
<td>11:00 Lecture</td>
<td>11:00 Lecture</td>
<td>11:00 Lecture</td>
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<tr>
<td>PM</td>
<td>OR 3:00 Pre– and Post-Op Patient Evaluation</td>
<td>OR</td>
<td>OR</td>
<td>OR Pre-Operative Clinic</td>
<td>OR</td>
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</table>

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  2012-2013

Revised: 12/8/11

STUDENT EXPERIENCES

CLOSE CONTACT WITH:
- 70%
- 30%
- 10%

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

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10

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

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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</thead>
<tbody>
<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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<tr>
<td></td>
<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>
<td>3:00-5:00 Tutorials</td>
<td>3:00-5:00 Tutorials</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Optional
AN250.06  ANESTHESIOLOGY

Advanced Clinical Clerkship
Location: CS
2012-2013
Revised: 12/8/11

STUDENT EXPERIENCES

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

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

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>
<th>Hour</th>
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<tbody>
<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

DESCRIPTION: An introduction to airway management as well as principles and practice of anesthesia.
Advanced Clinical Clerkship Location: OVH 2012-2013 Revised: 12/8/11

STUDENT EXPERIENCES

CLOSE CONTACT WITH:

<table>
<thead>
<tr>
<th>Full-time Faculty</th>
<th>Clinical ANES</th>
<th>Clinical ANES</th>
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<th>Clinical ANES</th>
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<tbody>
<tr>
<td>X CLINICAL FACULTY</td>
<td>50%</td>
<td>50%</td>
<td>20%</td>
<td>80%</td>
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<tr>
<td>X FELLOWS</td>
<td>INPATIENT: 50%</td>
<td>OUTPATIENT: 50%</td>
<td>CONSULTATION: 20%</td>
<td>PRIMARY CARE: 80%</td>
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<td>X RESIDENTS</td>
<td>OTHER:</td>
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COMMON PROBLEMS/DISEASES

1. Hypoxia
2. Hypertension / CAD
3. Diabetes
4. Obesity
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

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<tbody>
<tr>
<td>AM</td>
<td>Clinical ANES</td>
<td>Clinical ANES</td>
<td>Clinical ANES</td>
<td>7:00 – 8:00 Clinical Conference</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.
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

<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. Neuropathic Pain</td>
<td>0%</td>
<td>100%</td>
<td>100%</td>
<td>0%</td>
<td>X FULL-TIME FACULTY</td>
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<td>2. Somatic Pain</td>
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<td>CLINICAL FACULTY</td>
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<td>3. Postoperative Pain</td>
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<td>X FELLOWS</td>
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<td>4. Visceral Pain</td>
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<td>X RESIDENTS</td>
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<td>5. Complex Regional Pain Syndrome</td>
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<td>INTERNS</td>
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<td>6. Back and Neck Pain</td>
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<td>OTHER:</td>
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</table>

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

TOTAL # OF PATIENTS EVALUATED EACH WEEK 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>8:00-12:00 Clinic</td>
<td>7:00—8:00 Didactics</td>
<td>7:00—8:00 Didactics</td>
<td>7:00—8:00 Didactics</td>
<td>8:00 - 12:00 Procedures</td>
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<tr>
<td></td>
<td>8:00 - 12:00 Clinic</td>
<td></td>
<td>8:00 - 12:00 Clinic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Clinic/Procedures</td>
<td>1:00 - 4:00 Clinic</td>
<td>1:00 - 4:00 Procedures</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

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

Subinternship/Inpatient: CS
Location: CS
2012-2013
Revised: 12/8/11

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

SUPPORTING FACULTY:
Drs. M. Wilson, L. Czer, S. Raissi, N. O’Attellis, 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

2012-2013 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 37, 40, 43, 46, 49

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 outpatient state, pulmonary insufficiency, tamponade, and arrhythmias.
6. Diagnosis and treatment of various arrhythmias.
8. Oral presentations.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
<table>
<thead>
<tr>
<th>INPATIENT:</th>
<th>OUTPATIENT:</th>
<th>CONSULTATION:</th>
<th>PRIMARY CARE:</th>
</tr>
</thead>
</table>
1. Coronary artery disease | 100% | 0% | 0% | 100% |
2. Valvular heart disease | | | | |
3. Arrhythmias | | | | |
4. Congestive heart failure | | | | |
5. Anticoagulation | | | | |
6. Sepsis, renal failure, pulmonary complications | | | | |
7. Anemias | | | | |
8. Drug interactions | | | | |

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

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
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<th>Wednesday</th>
<th>Thursday</th>
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</thead>
<tbody>
<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 Rds with Attending and Team</td>
<td>10:00 - Work Rds with Attending and Team</td>
<td>10:00 - Work Rds with Attending and Team</td>
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<tr>
<td></td>
<td>12:00 - EKG Lecture</td>
<td>12:00 - EKG Lecture</td>
<td>12:00 - EKG Lecture</td>
<td>12:00 - EKG Lecture</td>
<td>12:00 - EKG Lecture</td>
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<tr>
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<td>1:00 - Perform Workup and review data for next day’s surgical patient</td>
<td>1:00 - Workups of Next Day’s Patients</td>
<td>1:00 - Workups of Next Day’s Patients</td>
<td>1:00 - Workups Patients</td>
<td>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>
<td>3:00 - Afternoon Rounds Cardiology Lecture</td>
</tr>
</tbody>
</table>

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.

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AN350.01 SUBINTERNSHIP IN ANESTHESIOLOGY

Subinternship Location: UCLA/SM 2012-2013

COURSE CHAIR: Mitchell Lin, M.D. (310) 267-8653
Edward Park, M.D.
E-MAIL: milin@mednet.ucla.edu
E-MAIL: epark@mednet.ucla.edu

SUPPORTING FACULTY: Faculty

STUDENT COORDINATOR: Lucine Torosian (310) 267-8653
E-MAIL: ltorosian@mednet.ucla.edu

REPORT TO: Lucelva Mendez or Lucine Torosian, RRUMC Suite 3304 at 7:00 a.m.

COLLEGE AFFILIATION: Acute Care

AVAILABLE FOR EXTERNALS: Yes

STUDENTS / PERIOD: max 6 min 1

DURATION: 3 weeks

2012-2013 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 37, 40, 43, 46, 49

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
OTHER:

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10

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

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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</thead>
<tbody>
<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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<tr>
<td></td>
<td>IV Catheter Training</td>
<td>9:00 – 12:00 Operating Room</td>
<td>8:30 – 12:00 Operating Room</td>
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<td>12:00 – 4:00 Operating Room</td>
<td>12:00 – 3:30 Operating Room</td>
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<td>3:30 – 5:00 Didactics</td>
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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.