605F ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE, 4 WEEKS

Course Description:
Students will participate as an integral member of the Anesthesiology Perioperative Medicine Team under the supervision of an attending and fellow. Students will assume responsibility of assigned patients on the service and help manage pre- and postoperative patients with a wide variety of conditions including cardiovascular, hemodynamic, and endocrine abnormalities, etc. The management of acute and chronic pain in the perioperative setting, including regional and neuraxial block management, is also part of the experience. Students will be caring for a variety of patients including patients in the intensive care units. Emphasis is on care of the perioperative patient and the student will become proficient in managing unique challenges in this subgroup.

Department: Anesthesiology

Prerequisites: Successful completion of basic science courses (1st and 2nd year curriculum) and successful completion of the following clinical clerkships: general surgery, internal medicine, Anesthesiology General OR. Extramural students must be in their final year of undergraduate medical education.

Restrictions: Enrollment priority will be given to UC Irvine students. This rotation is not accepting international or osteopathic students.

Elective Director: Kyle Paredes, MD

Instructing Faculty: All faculty within the Department of Anesthesiology

Course Website: http://anesthesiology.uci.edu/education_med.shtml

Site(s): UC Irvine Medical Center

Site Coordinator: Rhonda Chu, Medical Student Coordinator
UCI Medical Center - 101 The City Drive South, Bldg. 53, Room 227, Orange, CA 92868
Telephone: (714) 456-8657, Fax: (714) 456-7321, Email: rhondalc@uci.edu Email contact is preferred

Who to Report to on First Day: Contact Site Coordinator
Location to Report on First Day: Building 53, Room 227

Time to Report on First Day: 9AM

Periods Available: Throughout the year in 4 week blocks excluding the month of June/July

Duration: 4 weeks

Number of Students: 1 total per block

Scheduling Coordinator: UC Irvine students please call (714) 456-8462 to make a scheduling appointment. Please read the following information carefully. Any student enrolled at a U.S. LCME medical school will use VSAS to apply. To apply please refer to this website http://www.aamc.org/programs/vsas/.
Course Objectives: At the end of this rotation, the student will be able to:

- Perform an evidence based approach to preoperative risk reduction and optimization strategies (e.g. anemia correction, statin use, beta blocker use, antiplatelet management) (KNOWLEDGE)
- Deliver postoperative care that delivers enhanced recovery strategies. (KNOWLEDGE, SKILL)
- Perform preoperative evaluation and optimization of Chronic heart failure, diabetes, COPD, asthma, and coronary stents. (KNOWLEDGE, SKILL)
- Assist in the management of postoperative complications such as delirium, stroke, myocardial infarction, acute renal injury and failure, pneumonia, and sepsis. (KNOWLEDGE, SKILLS)
- Evaluate evidence based medicine based on current literature (KNOWLEDGE, SKILLS)
- Use perioperative practice guidelines and understand their impact on patient outcomes (KNOWLEDGE, SKILLS)
- Understand the available multimodal therapies as well as regional anesthesia techniques to alleviate pain in the acute setting. (KNOWLEDGE)
- Communicate effectively with members of a patient’s primary care team in coordinating care and making recommendations (SKILLS, DUTY)

Key Topics:
- Preoperative optimization
- Pathways for postoperative enhanced recovery and improved outcomes
- Management of post-operative complications
- Management of patient comorbidities in the postoperative setting
- Multimodal pain management in the perioperative setting

Competencies:
- Perform a thorough preoperative assessment of a surgical patient
- Recommend measures for patient optimization based on evidence based guidelines.
- Knowledge of pathways for postoperative enhanced recovery and improved outcomes.
- Recognition of post-operative complications.
- Management of common comorbidities in the perioperative setting
- Demonstrate an understanding of pain management options for the acute pain patient.

Attitudes and Commitment:
- Professionalism
- Continual learning and remaining up to date with current evidence based medicine literature
- Thoroughness in patient care

Educational Activities:
- Evaluation of new patients and follow up of existing patients. Students will see new consults when assigned and follow the progress of patients to whom they are assigned.
Consult rounds- Students will be presenting new patients and their assessment of the progress of current patients. They will work closely with house staff in creating a plan for new patients and managing the care of existing patients.

- Perioperative Medicine didactic sessions and conferences
- Anesthesiology Department Grand Rounds

**What Students Should do to Prepare for the Rotation:** Satisfactorily complete Internal Medicine Core Clerkship, General Surgery Core Clerkship, and Anesthesiology General OR Elective. Prior the start of the rotation the student should visit the departmental website at [http://www.anesthesiology.uci.edu/education_med.shtml](http://www.anesthesiology.uci.edu/education_med.shtml)

All orientation, contact and syllabus information can be found on this site.

**Clinical Responsibilities of the Student:** Evaluate new perioperative medicine patients. With the assistance of the Perioperative Medicine Team, create a plan of care. Follow up on the plan implementation and progress and continue to manage the assigned patient(s).

**Patient Care Responsibilities:** See Above

**Call Schedule of the Student:** None

**Procedure Students will Learn:** None

**Percentage of Time in Ambulatory Setting:** None

**Conference/Lecture/Small Group Sessions:** Varies

**Course Hours Weekly Summary:**
- 5/wk Conference
- 4/wk Grand Rounds
- 20/wk Patient-Care Activities
- 5 Small Groups
- 15/wk Ward Rounds

**Content Theme Integration:** None

**Required Reading:** Perioperative Elective Course Manual

**Official Grading Policy:** The student will receive a grade of Honors, Pass or Fail. The student’s final grade will be submitted on the standard UC Irvine elective form. If the student fails the elective a grade of “F” will be permanently recorded on his/her transcript. The student can repeat the course for a second grade; however, the “F” will not be removed from the transcript.