

# ANESTHESIOLOGY

## Elective Clerkships

Clerkship website: <http://depts.washington.edu/anesth/training/clerkships/index.shtml>

### Conjoint 678 – Pain Medicine Clerkship (8)

<b>Offered:</b>	AWSpS, 4 weeks; full-time.
<b>Prerequisite:</b>	Completion of HuBio series and MED required clerkship.
<b>Total Enrollment:</b>	2 students per rotation
<b>Faculty Contact :</b>	William Thomas Edwards, Ph.D., M.D. <a href="mailto:paindoc@u.washington.edu">paindoc@u.washington.edu</a>
<b>Administrative Contact :</b>	Kim Mabee, 206-543-2474, <a href="mailto:kmabee@u.washington.edu">kmabee@u.washington.edu</a>
<b>Clerkship Sites:</b>	UW Pain Center, UWMC, HMC

### Goals:

In this clerkship the student will learn the function of the Pain Consultant in this rapidly expanding subspecialty of Anesthesiology, Pain Medicine, through participation as part of a team in evaluation and management of patients experiencing short term post injury (surgery, trauma) pain and/or long-term pain. The four-week rotation is divided equally between inpatient and outpatient experiences. The student will learn the principles of interdisciplinary approach to pain management. The clerkship will be of interest to those considering a career in Anesthesiology as well as those considering Rehabilitation Medicine, Surgery and Primary Care.

### Objectives:

**At the end of this rotation, the student should be able to:**

- Identify appropriate therapies for short-term pain states,
- Identify appropriate pharmacologic approaches to the treatment of pain,
- Describe basic procedures for regional anesthesia for short-term pain states,
- Conduct focused appropriate history and physical examinations of patients with long-term pain syndromes in the outpatient setting,
- Describe basic procedures in outpatient pain block treatment,
- Describe indications and contraindications for use of block therapy in chronic pain states,
- Conduct a psychological evaluation of a patient, when appropriate, either outpatient or inpatient,
- Identify the role of physical or occupational therapy evaluations in the treatment of pain.

### Conferences:

The weekly series "Seminars in Pain Medicine" is presented every Tuesday from 5:00 – 6:00 PM. Please check the Weekly Bulletin for the location: <http://depts.washington.edu/anesth/> A series of daily lectures/discussions occurs 7:00 – 7:45 am every Monday, Tuesday, Thursday, and Friday in AA103A. Anesthesiology Grand Rounds is offered every Wednesday at 6:30 AM in D-209, HSB. Students are expected to attend these presentations.

### Readings/texts:

*Pain Service Syllabus*: This book will be available for check out during your Pain Service rotation. There are chapters of both practical and theoretical nature, including specifics of the organization of the University of Washington Pain Center. Other reading will be suggested according to the clinical cases available.

### Evaluation:

Your evaluation will be based on your clinical performance and knowledge of subject matter relevant to pain. Students seeking Honors should submit a paper on a topic relevant to pain medicine. The paper will be reviewed by a panel of 3 faculty anesthesiologists and Honors will be decided by majority vote of this panel.

## **ANEST 680 P-Basic Anesthesia Clerkship (4)**

<b>Offered:</b>	AWSpS; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year medical students.
<b>Total Enrollment:</b>	4 students per rotation
<b>Faculty Contact:</b>	Murali Sivarajan, M.D., 206-570-3146 (pager), <a href="mailto:murali@u.washington.edu">murali@u.washington.edu</a>
<b>Administrative Contact:</b>	Kim Mabee, 206-543-2474, <a href="mailto:kmabee@u.washington.edu">kmabee@u.washington.edu</a>
<b>Clerkship Sites:</b>	UWMC, HMC, VAMC, Swedish, St. Alphonsus Regional Medical Center –Boise, ID St. Vincent Health Care - Billings, MT St. Patrick Hospital, Community Medical Center - Missoula, MT Deaconess Medical Center, Valley Hospital and Medical Center -Spokane

This clerkship will provide an introduction to the specialty of anesthesiology.

### **Goals:**

- To provide an overview of anesthetic techniques used to obtain pain relief during surgery and to facilitate performance of surgical operations.
- To teach certain essential psychomotor skills that all physicians may be called upon to perform under controlled and emergent situations.

### **Objectives:**

#### ***At the end of this rotation, the student should be able to:***

- Describe induction of, and recovery from, general and regional anesthesia,
- Describe monitoring and maintenance of homeostasis during the intraoperative period,
- Perform intravenous cannulation,
- Manage the airway in an unconscious patient,
- Insert a laryngeal mask airway,
- Perform laryngoscopy and orotracheal intubation,
- Perform arterial puncture and sampling,
- Perform cardiopulmonary resuscitation in a simulated environment,
- Describe or perform lumbar puncture.

**Schedule:** See department.

### **Conferences:**

Please report to the University of Washington Surgery Pavilion, room SP-1122 at 8:00 AM on the first day of the clerkship to work with the Anesthesia Simulator. This session will last the majority of the day. Attendance is mandatory.

Anesthesiology Grand Rounds are held every Wednesday beginning at 6:30 AM in D-209 of the Health Science Building. Attendance is mandatory.

Problem Based Learning Discussions are held each Thursday of your rotation starting at 4:00 PM and will last approximately 2 hours. The students will be notified of the location, as it varies weekly. Cases will be distributed prior to the start of the clerkship. Attendance is mandatory.

Additional mandatory conferences will be held depending on which site you've been assigned to.

**Presentations:**

Oral presentation may be required at certain sites.

**Readings/texts:**

*Essentials of Anesthesiology* by Chung DC and Lam AM.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**ANEST 681 P-Advanced Clerkship In Anesthesiology (8)**

<b>Offered:</b>	AWSpS; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year medical students.
<b>Total Enrollment:</b>	3 students per rotation
<b>Faculty Contact:</b>	Murali Sivarajan, M.D., 206-570-3146 (pager), <a href="mailto:murali@u.washington.edu">murali@u.washington.edu</a>
<b>Administrative Contact:</b>	Kim Mabee, 206-543-2474, <a href="mailto:kmabee@u.washington.edu">kmabee@u.washington.edu</a>
<b>Clerkship Sites:</b>	UWMC, HMC

**Goal:**

The goal of this clerkship is to provide an in-depth and comprehensive view of the role of physician-anesthesiologist in the preoperative evaluation and preparation of critically ill surgical patients, and in the intraoperative and postoperative management of patients undergoing major surgery, such as cardiac or neurosurgical operations. The clerkship will be of interest to students considering Anesthesiology as a career.

**Objectives:**

***At the end of this rotation, the student should be able to:***

- Meet all the objectives outlined for 680 Basic Anesthesia Clerkship,
- Describe different techniques of anesthesia suitable for surgical patients with major systemic illness(es),
- Recognize and gauge the depth of anesthesia and muscle relaxation,
- Recognize and gauge cardiovascular and respiratory depression,
- Recognize and gauge common respiratory and acid-base abnormalities,
- Discuss fluid/transfusion therapy,
- Recognize and gauge recovery from muscle relaxants and anesthesia,
- Discuss clinical manifestations of local anesthetic toxicity,
- Discuss postoperative pain management,
- Discuss common anesthetic complications.

**Schedule:** See department.

**Conferences:**

Please report to the University of Washington Surgery Pavilion, room SP-1122 at 8:00 AM on the first day of the clerkship to work with the Anesthesia Simulator. This session will last the majority of the day. Attendance is mandatory.

Anesthesiology Grand Rounds are held every Wednesday beginning at 6:30 AM in D-209 of the Health Science Building. Attendance is mandatory.

Problem Based Learning Discussions are held each Thursday of your rotation starting at 4:00 PM and will last approximately 2 hours. The students will be notified of the location, as it varies weekly. Cases will be distributed prior to the start of the clerkship. Attendance is mandatory.

Additional mandatory conferences will be held depending on which site you've been assigned to.

**Presentations:**

Oral presentation is mandatory.

**Readings/texts:**

*Essentials of Anesthesiology* by Chung DC and Lam AM.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**ANEST 697 P-Anesthesiology Special Electives ( \*, max 24)**

<b>Offered:</b>	AWSpS; 2/4/6 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Third- and fourth-year students. <b>+ 2 month application process</b>
<b>Total Enrollment:</b>	Variable
<b>Faculty Contact:</b>	Murali Sivarajan, M.D., 206-570-3146 (pager), <a href="mailto:murali@u.washington.edu">murali@u.washington.edu</a>
<b>Administrative Contact:</b>	Kim Mabee, 206-543-2474, <a href="mailto:kmabee@u.washington.edu">kmabee@u.washington.edu</a>

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington. Interested students should submit a "Credit for Away Clerkship" form available from the UWSOM Dean's Office Registrar and complete for departmental approval at least two months before advance registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**ANEST 699 WWAMI Anesthesiology Special Electives( \*, max 24)**

<b>Offered:</b>	AWSpS; 2/4/6 weeks full-time.
<b>Prerequisite:</b>	Permission of department <b>+ 2 month application process</b>
<b>Total Enrollment:</b>	Variable.
<b>Faculty Contact:</b>	Murali Sivarajan, M.D., 206-570-3416 (pager), <a href="mailto:murali@u.washington.edu">murali@u.washington.edu</a>
<b>Administrative Contact:</b>	Kim Mabee, 206-543-2474, <a href="mailto:kmabee@u.washington.edu">kmabee@u.washington.edu</a>

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students should obtain a "Credit for Away Clerkship in WWAMI" form available from the UWSOM Dean's Office Registrar and complete for departmental approval at least two months before advance registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

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