

**ANES 810Am - Anesthesiology (Mayo Clinic, Scottsdale)****Dr. R. Caswell & Faculty (480 301 4338)**4 wks *only*; offered year round*Not* directly supervised/Patient care Prior approval.

Maximum enrollment of 1 per rotation

Prerequisites: Successful completion of three years of medical school. Medical students must have consent of Course Director before registering.

**Goals:** The goals of the anesthesiology clerkship include:

1. To develop an awareness of the breadth and depth of the practice of anesthesiology.
2. To participate in all aspects of anesthesiology including preoperative assessment, administration of anesthesia and intraoperative management, and postoperative care.
3. To understand the basic principles of airway management, advantages and disadvantages of regional vs. general anesthesia, intraoperative monitoring techniques, preoperative anesthetic concerns for surgical patients with coexisting diseases, risks of local anesthesia and sedation, contraindications for anesthetic techniques, and common complications of anesthesia and management.
4. To understand the basic pharmacologic and physiologic phenomena occurring during the perioperative period.

**Format:** Students will be a part of the anesthesia care team at Mayo Clinic, Scottsdale and Their immediate supervisor will be Dr. Caswell. Students will be assigned daily to a particular list of cases together with a resident or CRNA and anesthesiologist. Students will be expected to attend all teaching conferences and to participant in these as appropriate.**Evaluation:** Methods: Student performance is evaluated using standard elective evaluation forms.**ANES 810Ae - Anesthesiology (Maricopa Medical Center, Phoenix)****Dr. William Johnson & Dr. Chandra Patel (Reaj Roberts 602-344-5039)**

4 weeks; Maximum length of 4 weeks

Offered (September - May), year round

This course is directly supervised by appointed Anesthesiology staff of Maricopa Medical Center.

Maximum enrollment of 1

Prerequisites: Successful completion of first half of third year (mid-December). Medical students must have consent of Course Director before registering.

**Goals:**

1. To develop an understanding of the scope of anesthesiology, especially the various roles of the anesthesiologist in the care of patients in the operating room, in the labor and delivery suite.
2. To participate in the care of patients throughout the perioperative period-from the preoperative assessment of patients and development of the anesthetic plan through the delivery of anesthetic care intraoperatively and postoperatively.
3. To gain a deeper understanding of the principles underlying anesthesia (pharmacology, physiology, pathophysiology, and psychology), and to better apply these concepts clinically.
4. To develop basic cognitive and mechanical skills necessary for the safe delivery of anesthetic care to include: intravenous catheter placement, airway management, regional block techniques, patient evaluation and risk assessment, anesthetic plan design (based on the patient assessment, monitoring requirements, and surgical needs), and problem solving strategies to deal with common complications of anesthesia.

**Format:** While working in the operating room, a student will be assigned daily to cases with a faculty member. As a team, they will make preoperative rounds, develop an anesthetic plan, implement this plan, and follow the patient postoperatively until the patient is judged of free possible anesthetic complications. Experience in obstetrical anesthesia is an optional part of the rotation. Didactic sessions included a Wednesday morning Case Discussion Conference. There are four weeks of required readings and testing.**Evaluation Method:** Student performance is evaluated at the end of each period using standard evaluation forms. Students are evaluated on the basis of improvement in cognitive knowledge of anesthesia and psychomotor skills, and attention to clinical duties, attendance at teaching conferences, and test scores

**ANES 815Be - Obstetrical Anesthesia (Maricopa Integrated Health System, Phoenix)**

**Dr. William Johnson (Reaj Roberts 602 344 5039)**

4 wks *only*; offered (September - May), year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Completion of basic sciences & Anesthesiology 810Aa or 810Ae

**Goals:** To expand knowledge in regional and general anesthesia as it relates to the pregnant patient and better understand the pharmacology and physiology involved. Counseling with Department Head or Departmental Electives Coordinator is mandatory before enrolling in this course.

**Format:** Clerkship time spent on OB Anesthesia service under direct faculty supervision.

**Evaluation Methods:** Direct supervision by faculty physicians and housestaff with written evaluations discussed with the medical student. The medical student evaluates the faculty, housestaff and rotation experience.

All rotations must be pre-approved and scheduled through Reaj Roberts. On the first day of your rotation, an application and picture ID must be obtained through Academic Affairs. All other reading material(s), special assignments, etc, will be assigned at the time of arrival on the first day of the scheduled rotation.