

ANES 465 - Anesthesia Clinical Experience II Spring 2009

Faculty:

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Course Overview:

A continuation of ANES 463, where patient management and technical skills are refined with close attention to the didactic course work. A comprehensive clinical examination is administered at the end of the semester. PALS (Pediatric Advanced Life Support) certification is required for course completion.

Prerequisites: ANES 463; BLS and ACLS certification.

Grading:

During rotations, clinical instructors are asked daily to complete an evaluation form that coincides with the student's level of education in anesthesia. Upon completion, these forms are reviewed carefully and used to calculate semester grades.

Student grades are determined by completed evaluations and averaged weekly. It is imperative that an evaluation is completed for every day a student is assigned to the OR. An instructor has two weeks to turn in an evaluation. Any missing evaluations will be entered with scores of one in each category if the evaluation is not received and entered at the end of 4 weeks. If an evaluation is received after the four-week time allotment and the evaluation has been recorded as missing with scores of one, the Education Coordinator will enter the correct scores.

Course Objectives:

By the end of the spring semester, the first year MSA student should strive to be **90%** successful when performing the following tasks *with minimal assistance* (defined as “**supervision 100%** of the time with **technical support 10%** of the time given by a clinical instructor”):

1. Venous cannulation and fluid therapy on *all adult and pediatric* patients.
2. Airway management on *all* awake and anesthetized, *adult and pediatric* patients.
3. Laryngoscopy and endotracheal intubation on *all* anesthetized *adult and pediatric* patients.
4. Anesthesia machine checkout and appropriate room setup for *all adult and pediatric* general anesthesia management.
5. Preoperative interview/physical examination and subsequent development of the anesthetic plan in conjunction with the attending anesthesiologist and anesthesiologist/resident for *uncomplicated* (ASA I & II) *adult and pediatric* patients.
6. Placement of laryngeal mask airways (LMAs) in healthy *pediatric* patients.

The performance checklist for the spring semester - basic science year contains the following items:

1. Successful placement of intravenous cannulas on healthy pediatric patients given the previously mentioned criteria for adult IV placement.
2. Successful completion of general anesthetics on healthy pediatric patients managed with mask assisted spontaneous respirations given the previously mentioned criteria for adult airway management.
3. Successful endotracheal intubations on healthy pediatric patients given the previously mentioned criteria for adult endotracheal intubation.
4. Appropriate setup of the anesthesia machine and tabletop for healthy pediatric patients given the previously mentioned criteria for adult room setup.
5. Completed preoperative interviews/physical examinations on uncomplicated (ASA I & II) adult and/or pediatric patients given the following criteria:
 - a) Complete review of all physiologic systems by patient interview and review of old/current chart including previous medical history, history of present illness, current vital statistics, blood chemistries, diagnostic tests and pertinent medical consultations.
 - b) Physical examination of the patient focusing on the lungs, heart and airway.
 - c) Patient interview focusing on NPO status, drug allergies, previous surgeries noting anesthetic complications, family history of anesthetic complications and current pharmaceutical therapies.
 - d) Thorough discussion of the anesthetic options including risks/benefits for each option.
 - e) Development of the anesthetic plan in conjunction with the attending anesthesiologist, anesthesiologist, and/or resident.
6. Successful placement of laryngeal mask airways (LMAs) in healthy pediatric patients given the previously mentioned criteria for adult LMAs.