

## 2020-2021 Catalog

### **ANS R 1J-Neuro ICU Gville/Anesthesiology & Critical Care Clerkship-Jax**

ANS R 1J | 4th Year Required | Anesthesiology | Clinical Science

MDC 7700

#### **Prerequisites**

Senior UF Medical Student - not offered to non-UF students

#### **NOTE:**

The Critical Care portion of this course will be completed the first two weeks of the rotation in Gainesville, followed by the Anesthesiology portion in Jacksonville

#### **Course Description**

The clerkship is divided into two blocks: Anesthesiology and Critical Care Medicine .This is a four-week clerkship that will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. The Critical Care two-week block in Gainesville will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. Students are expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to, airway management, invasive hemodynamic monitors, Intravenous fluid replacement and the use of vasoactive medications. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The block at Gainesville will begin with an introduction at 8 am on the first Monday of the elective period. The students are required to complete all online modules prior to attending the Simulation, which will be time stamped and recognized for grading. There are two simulations on the first Monday, meaning that they need to be completed prior to beginning the clerkship. There are a total of nine simulations corresponding to the nine simulations or problem-based learning discussions. There will be two lectures on the first two Mondays and Tuesdays of the clerkship.

The Anesthesia portion of the rotation in Jacksonville will consist of being paired with anesthesia residents or CRNAs, in the main OR setting, the preoperative block room, or on the labor and delivery floor. Students are expected to arrive daily by 6:45 am in order to obtain their room or anesthesia provider assignments. Students must prepare for each operative case by researching the patient, the comorbidities, and operation. OR start time is 7:15 am daily. Wednesdays are the resident education day, and students are to attend the morning grand rounds as well as the resident lectures.

Medical student specific lectures will be given throughout their two week rotation, to be conducted by assigned attendings and/or residents.

### **Course Faculty and Staff**

- [Adrienne Warrick MD](#) (Co-Director)
- [Christopher Giordano MD](#) (Co-Director)
- [Donna Pappy](#) (Course Staff)
- [Dani Brown](#) (Course Staff)
- [Julie Veal](#) (Course Staff)
- [Ricky McHugh](#) (Course Staff)

### **Meeting Place and Time**

GNV Neuro ICU: Course Lectures/Labs will be held in the HME Bldg in Rm 465 and 460.  
JAX Anesthesia: Day 1: 8 am in the Dept of Anest on the 2nd flr (located by Central Staff elevator bank). Report to Donna Pappy in the Anesthesia Education Office.

### **Course Materials**

Gainesville:

Recommended textbook: Essential Anesthesia by Euliano & Gravenstein (available on reserve in the HSC library)

Online Modules

Jacksonville:

Handbook of Clinical Anesthesia by first author Paul G. Barash; will be provided on loan to rotators.

### **Additional Information**

The ICU portion of this course will be completed the first 2 weeks of the rotation in Gainesville, followed by the OR portion in Jacksonville.

Questions regarding the Anesthesia rotation in Jacksonville please email course director Adrienne Warrick, MD at [adrienne.warrick@jax.ufl.edu](mailto:adrienne.warrick@jax.ufl.edu).

Questions regarding the Gainesville portion of the rotation please e-mail course director Chris Giordano, MD at [cgiordano@anest.ufl.edu](mailto:cgiordano@anest.ufl.edu).

### **Classes Offered**

<b>Period</b>	<b>Length</b>	<b>Credits</b>	<b>(Avail / Max) Slots</b>
Period 7	4 Weeks (Oct 25 - Nov 21)	4	(2 / 2)

<b>Period</b>	<b>Length</b>	<b>Credits</b>	<b>(Avail / Max) Slots</b>
Period 9	4 Weeks (Jan 4 - Jan 30)	4	(2 / 2)
Period 10	4 Weeks (Jan 31 - Feb 27)	4	(0 / 2)
Period 11	4 Weeks (Feb 28 - Mar 27)	4	(0 / 2)
Period 12	4 Weeks (Mar 28 - Apr 24)	4	(0 / 2)
Period 13	4 Weeks (Apr 25 - May 14)	4	(2 / 2)

## **Evaluated Competencies**

### **#1 Professionalism**

**Educational Objectives:** Demonstrates respect for patients; families; and members of the health care team. Demonstrates an attitude of caring. Preserves patient confidentiality; and demonstrates knowledge about HIPAA regulations. Demonstrates timeliness.

**Method of Evaluation:** Faculty observation and feedback from residents

### **#2 Patient Care**

**Educational Objectives:** #2 Patient Care Educational Objectives: Conducts efficient; comprehensive; medical interviews and physical examinations; and records accurate information. Integrates information from medical history and physical examination into coherent problem list/differential diagnosis; and uses this information to determine cost-effective test ordering. Appropriately interprets diagnostic test results. Formulates appropriate management plans. Seeks opportunities to perform appropriate medical procedures (e.g. peripheral venous access; airway management; arterial blood gas).

**Method of Evaluation:** Faculty observation during attending rounds/procedures and feedback from residents.

### **#3 Medical Knowledge**

**Educational Objectives:** Students will review: 1. The initial assessment and management of a patient in respiratory and/or cardiovascular arrest. 2. Fluid

management in resuscitation. 3. How to perform a preoperative evaluation of a patient including medical condition; physical status; airway examination; appropriate preoperative testing and the impact of anesthesia and surgery on their condition. 4. General tenets of intraoperative medicine including monitoring (selection; steps in placement and basic interpretation of invasive monitors) and anesthetic options. 5. How to recognize and manage common post-operative complications including pain; hypotension; respiratory depression; and myocardial ischemia. 6. The basics of mechanical ventilation and Adult Respiratory Distress Syndrome. 7. The pharmacology of anesthetic; sedative; narcotic and vasoactive medications. 8. Cardiovascular physiology and the basics of invasive monitoring techniques.

**Method of Evaluation:** OR discussion; case conferences; case write-ups; and written examination;

#### #4 Practice-Based Learning

**Educational Objectives:** Regularly identify gaps in knowledge and seek answers to those questions from current medical literature. Demonstrate skills in principles of evidence-based medicine and ability to critically appraise available evidence. Share results of knowledge discovered with their team. Self-evaluate effectiveness of care provided to their patients.

**Method of Evaluation:** Faculty observation during attending rounds and feedback from residents.

#### #5 Interpersonal and Communication Skills

**Educational Objectives:** Interaction with patients; family members; and colleagues in a manner that engenders confidence; trust; and cooperation. Formulate open-ended questions and demonstrate active listening in patient interactions. Engage in teamwork.

**Method of Evaluation:** Faculty observation during attending rounds; and feedback from patients; family members; and residents.

#### #6 Systems-Based Practice

**Educational Objectives:** Demonstrate an awareness of resources (e.g. social support; educational; financial; access to care; etc.) needed by patients to effectively maintain health and manage disease.

**Method of Evaluation:** Faculty observation during attending rounds and feedback from residents