

<b>Faculty In Charge Of Course:</b>	Dr. Dereddi Raja Shekar Reddy
<b>Participating Faculty:</b>	Drs. Joshua Botdorf, Gregory Botz, Donna Calabrese, Karen Chen, John Crommett, Cristina Gutierrez, Sajid Haque, Imrana Malik, Joseph Nates, Egbert Pravinkumar, Nisha Rathi, Dereddi Raja Shekar Reddy, Alexander Reskallah, Mary Catherine Tolcher, Elise Sullivan, Robert Wegner, Marian Von-Maszewski,
<b>Contact:</b>	Mary Ann Oler 713-792-9530
<b>Location:</b>	M.D. Anderson Hospital, Critical Care Dept:B7.4320
<b>Offered:</b>	Blocks 1-11, 13
<b>Max. # Students/Period:</b>	Blocks 1, 5—8, 10, 11, 13 = 1 student Blocks 2, 3 = 3 students Blocks 4, 9 = 6 students Can accept additional students in any block if RCC student number is less than 9.

**Course Objective**

**Material Covered:**

Material covered will include management of advanced monitoring; management of patients requiring various levels of physiologic support; correlation of basic science into clinical practice dealing with critically ill medical and surgical patients. Clinical management will likely include respiratory failure, sepsis, shock syndromes, malnutrition, acid/base, metabolic and endocrine disorders. Teaching occurs with faculty/fellow/resident interactions, direct patient care, during clinical rounds, case conference, and scheduled lectures.

**Skills Acquired:**

Vascular access; invasive monitoring; ventilator management; nutritional management; clinical pathway utilization; airway management; use of anesthetic equipment and monitors.

**Activities Of Elective**

**Number Of New Patients/Student/Week:** 4 - 6

**Responsibilities Of Student For Assigned Patients:**

Does history/physical:	Yes
Who critiques:	Attending physicians, fellows, residents
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Attending physicians, fellows, residents
Does student see ambulatory patients:	No

<b>Procedures</b>	<b>Observe</b>	<b>Perform</b>
IV; peripheral, central	X	X*
Arterial catheterization	X	X*
Pulmonary artery catheterization	X	X*
Endotracheal intubation	X	X*
Bronchoscopy	X	X*
		<i>*In select situations</i>

**Scheduled Duties Of Student:**

Frequency of rounds on patients:	Twice per day
Presents patients to preceptor or attending physician:	Yes
Weekly schedule of required teaching sessions:	Lectures 5 days/week Student specific teaching rounds daily

**Describe Optional Rounds And Activities, If Any:**

Operating room anesthesia

**Other Required Activities:**

Reading/review of current literature:	Yes
Writing or presenting a paper:	Yes; case presentation for morbidity and mortality conference

**How Is Student Evaluated:**

Grading based on performance of duties, grasp of management concepts for critically ill patients, student's developmental progress during rotation, and participation in lecture series.

**Who Evaluates Students:**

Faculty, fellows, residents

**Unique Features Of This Elective:**

This one-month (4-week) ICU rotation provides optimal time, up to one week, for experience in the operating room with the anesthesia care team. It provides a unique opportunity to work with anesthesiologists in their role as perioperative physicians. Participants engage in the critical care management of medical and surgical patients in a state-of-the-art ICU facility, under the supervision of a multidisciplinary team. Operating room time affords one-on-one interaction with faculty in the surgical anesthesia setting. Students function as acting interns; challenged to develop and implement appropriate management plans.