ANES 880J: Anesthesiology & Perioperative Medicine

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BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#
Block 1A	0	Block 3A	3	Block 5A	3	Block 7A	3
Block 1B	0	Block 3B	3	Block 5B	3	Block 7B	3
Block 1C	2	Block 3C	3	Block 5C	3	Block 7C	3
Block 2A	2	Block 4A	3	Block 6A	3	Block 8A	3
Block 2B	3	Block 4B	3	Block 6B	3	Block 8B	3
Block 2C	3	Block 4C	3	Block 6C	3	Block 8C	0

COURSE DESCRIPTION:
This rotation is an introduction to general anesthesia management and perioperative management. The student will acquire a working knowledge of commonly used anesthetic agents, techniques and airway management. Teaching includes attendance at resident-oriented lectures, medical student oriented lectures, grand rounds, and simulation seminars. You will be in the Main hospital OR, and possibly the ART OR, VA OR and RT (Rutledge Tower) OR.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Perform bag mask ventilation. Observe and possibly demonstrate intubation, LMAs (laryngeal mask airways) placement, arterial line insertion, intravenous placement, and central venous line placement. (PC2, MK5)
2. Discuss cardiovascular and pulmonary physiology as applied in a variety of clinical settings and disease processes and discuss clinically applicable pharmacokinetics and pharmacodynamics across various pharmacologic therapies. (MK4, MK3, CS1)
3. Describe the treatment of acute pain through various modalities, including oral, intravenous, neuraxial, and regional techniques, as well the ethics involved in the treatment of pain. (MK1, MK3, MK6, PC1)
4. Communicate basic Advanced Cardiac Life Support principles with particular attention placed on airway management and understand the basics of Difficult Airway Management as demonstrated in a simulation course. (MK1, MK4, PC1)
5. Demonstrate professional behavior in preoperative encounters with patients, their families, surgeons, and other OR staff understanding the stress and anxiety involved in this period. (CS1, IP1, IP2, IP3, PC1, PR1)

INSTRUCTIONAL METHODOLOGIES & ROTATION ACTIVITIES: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Participation in weekly assignments in the operating rooms and completion of two patient case planning pages to be discussed with attending or resident physician.
2. Attendance at Tuesday morning grand rounds, Tuesday afternoon simulation sessions (led by attending anesthesiologist), Wednesday afternoon resident lectures, Thursday afternoon medical student lectures (led by an anesthesia resident).
3. Completion of assigned reading chapters each week to cover topics like cardiovascular, pulmonary, pharmacology, and airway management and those which are covered in the residency lectures.
4. Review of arterial blood gas (ABG) interpretation and treatment of various physiologic derangements able to be diagnosed from an ABG.
5. Demonstrate knowledge of Daily Assigned Rotation Topics. Study and discuss with anesthesia resident.

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Patients with cardiovascular, pulmonary, renal, hepatic, and neurologic diseases undergoing surgery
2. Patients undergoing labor epidural or c-section
3. Patients undergoing elective surgery, emergency surgery related to trauma or infection

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods:
1. E*Value Clinical Performance Evaluation.
2. Direct observation of clinical skills performance by residents and attendings each day and discussion of didactic/reading topics, with application to daily clinical cases.

Will students be expected to participate in call? ☐ YES ☒ NO