LEARNING OBJECTIVES FOR NEUROANESTHESIA ROTATION, UCSD MEDICAL CENTER

The core neuroanesthesia rotation will provide the resident with a comprehensive exposure to and experience in the management of patients who undergo neurosurgical and interventional neuroradiologic procedures of the brain and spinal cord. Residents will receive exposure to neurosurgical and spine surgery patients in the peri-operative period and both formal and informal didactic instruction. This instruction is to be supplemented with guided independent study. In aggregate, the experience will serve to facilitate the development of the resident into a consultant neuroanesthesiologist who is able to provide expert care of neurosurgical and spine surgical patients.

Upon completion of the neuroanesthesia rotation, residents should be able to demonstrate proficiency in the management of both simple and complex neurosurgical problems. Residents are expected to provide comprehensive care in a compassionate manner. This care should be based on the current state of the knowledge of the patient’s medical problems, a focused review of current literature and appropriate use of on-line medical information pertinent to the patient’s medical problems. The care that is provided is expected to be cost effective and of high quality. Communication with the patients and their families, as well as with the health care team is essential. At all times, the residents are expected to conduct themselves in a manner that is consistent with the ethical and moral principles of the highest order.

Independent Study

Required reading:


Additional Sources:


The Department has a copy of Miller Anesthesia as well as electronic access for your use. In addition, I will maintain a copy of Cottrell and Young’s Neuroanesthesia, 5th Edition that may be borrowed during your neuroanesthesia rotation.

Brian Lemkuil, MD
January 2011

POLICIES AND PROCEDURES

1) At the beginning of your rotation, I will make an effort to meet with you during the first two days to review the rotation learning objectives and required reading.

2) During the rotation, your daily clinical assignment will be tailored to maximize exposure to neurosurgical procedures and spine surgeries.

3) You will be expected to call your attending with the anesthetic preoperative evaluations, including your well thought out anesthetic plan. Inherent in this is careful review of radiologic imaging reports as well as a neurologic exam on inpatients.

4) You will be expected to do case specific reading in addition to the required reading for the rotation.

5) The OR room should be completely set up prior to morning conference including labeled and dated infusions as allowed by the joint commission. In many situations, room preparation may include starting with the OR bed 180°.

6) You will be expected to communicate the anesthetic plan to the patient and family as well as perform an appropriate neuro exam prior to 7:10 am for first case starts.

7) Unless there is nursing, surgical, or equipment delays, the patient should be brought into the operating room by 7:15 (8:15 on Wednesday) for first case starts.

8) As much as possible, you will be expected to complete assigned neurosurgical cases that are anticipated to finish before 7 pm.

9) You will be involved in the postoperative care of the patient in the PACU, including repeat neurologic evaluations as indicated. You may be required to organize and facilitate urgent CT evaluation in conjunction with the neurosurgical team during the PACU course as indicated by your neurologic assessment.

10) When working with a neuroanesthesia attending (Lemkuil, Patel, Drummond), a daily self-evaluation of your care will be expected. Specifically,
focus on what you did well, what can be improved upon, and how future management will be altered.

11) You will be expected to choose one interesting case during your rotation to write up for possible presentation at morbidity and mortality conference, including acquisition of pertinent preoperative/postoperative imaging as well as detailed records of your neurologic evaluations.