NEONATAL-PERINATAL MEDICINE ELECTIVE

GOALS and OBJECTIVES

Participating residents will be expected to begin acquiring skills and knowledge of a first year Neonatal-Perinatal Medicine (NPM) fellow. At the conclusion of this block, residents will be able to recognize, stabilize, and initiate management of a critically ill infant, effectively diagnose and manage diseases of the newborn requiring intensive care.

Specific Objectives:

1. Exhibit NRP-based resuscitation skills in the delivery room management of newborn infants.
2. Effectively treat common diseases of the newborn with supervision using a comprehensive and multidisciplinary approach.
3. Demonstrate effective team management skills including supervision of pediatric residents and medical students.
4. Correctly place, localize, and adequately reposition if necessary, endotracheal tubes and umbilical arterial and venous lines.
5. Appropriately initiate and manage infants in multiple modalities of non-invasive and invasive respiratory support.
6. Participate in prenatal counseling sessions with families in Labor and Delivery and selected cases from the Center for Maternal and Infant Health (CMIH).

Activities: (supervised by NPM fellow, attending, and NNPs)

1. Patient care
   a. Attend high-risk deliveries (e.g., ELBW, gastroschisis, congenital heart disease, congenital diaphragmatic hernia).
   b. Establish management plans of complex NICU patients as part of the medical care team (e.g., ELBW/VLBW infants, surgical emergencies, PPHN), including assisting house staff with management decisions and collaborating with the NPM fellow, NNPs, and attending. In addition you should follow at least one to two patients from your team’s NNP service. This experience is so that you can follow a more complex patient independently from the rest of the residents. You would be expected to present the patient on rounds and establish management plans along with the NNP.
   c. Perform and supervise NICU procedures (e.g., umbilical lines, intubation). Learning other subspecialty procedures, such as PAL and chest tubes will be dependent on patient care activities, and fellow and NNP learning needs.
   d. Participate in a minimum of 3 Friday overnight calls (this shift would end after morning sign-out; max. 24 hour consecutive shift).

2. Medical Knowledge
   a. Attend Monday 4pm weekly CMIH conference.
   b. Attend Wednesday noon Fellows Conference when applicable.
   c. Actively participate in daily rounds.

3. Practice-based Learning and Improvement
   a. Demonstrate use of evidence-based medicine in clinical care.
   b. Collaborate with the NPM fellow on presenting a topic for CMIH at least once during the block.
   c. Provide bedside teaching to medical students, residents and other professionals.
4. **Interpersonal and Communication Skills**
   a. Demonstrate professional relationships with nursing, respiratory therapy, social work and other professionals who care for neonates, as well as with parents.
   b. Conduct work rounds in the NICU with the medical team.
   c. Participate in managing patient transfers and performing prenatal consults with the fellow/attending.

5. **Professionalism**
   a. Know ethical and legal issues involved in the care of critically ill infants and their families.

Scheduling suggestions:
- In order to get the most out of your time in the NICU, we recommend you take this elective on a block without vacation time.
- We discourage taking this elective during the first block of the academic year. First year neonatal-perinatal medicine fellows are in the unit for orientation, so we would prefer to keep the teams as small as possible.