

## **Neonatal-Perinatal Medicine Rotation Description**

### **Neonatology Consults and Delivery Room Management**

#### **Description/Goals:**

Fellows in Neonatal-Perinatal Medicine will rotate one month each year on the Consults and DR Management Rotation. During these rotations, the fellow will develop competency in the prenatal consultation process and in the delivery room management of neonates of varying risk. The trainee will also develop the skills needed to respond to questions from pediatricians and other providers regarding the management of neonates and of infants with disease processes that originate in the neonatal period and to remotely manage patients during transfer to a tertiary facility.

The fellow will assume increasing responsibility over the course of these three rotations, as outlined below. Supervision will be by an assigned attending. As the fellow's skills improve, greater independence will be encouraged, although there will always be an attending available to support the fellow on these rotations.

The objectives of this elective will be met through the fellow's participation in the Neonatology Consult Service, and through the fellow's participation in the delivery room management of newborns and through the management of neonates with disease processes that require transfer to a tertiary center for diagnosis or management.

Call responsibilities are not significantly altered during this rotation.

#### **Specific Objectives and Competencies Addressed:**

1. Patient care that is compassionate, appropriate, and effective..., Medical Knowledge. The trainee will:
  - a. First Year
    - i. Identify antenatal conditions that impact the delivery room management of neonates and prepare for such deliveries
    - ii. Identify common concerns of parents in anticipation of preterm delivery
    - iii. Know the anticipated outcomes, mortality and morbidity, of preterm delivery at various gestational ages and how fetal growth pattern influences those outcomes.
    - iv. Begin to develop the skills required to effectively and independently resuscitate patients at high risk for neonatal morbidity and mortality
    - v. Identify the information required to effectively advise and guide providers of neonatal care involved in the stabilization of unstable neonates in referring institutions and during transport
    - vi. Identify complications of delivery and obstetric anesthesia
    - vii. Identify neonatal interventions indicated after the development of fetal distress during delivery, as described by the Neonatal Resuscitation Program
  - b. Second Year
    - i. Further develop skills learned during the previous rotation

- ii. Identify and use resources to quickly address, applying evidence to practice, questions arising from inpatient or outpatient consultation and the supervision of patients undergoing stabilization and transport
    - iii. Identify perinatal conditions that place the neonate at risk of death or morbidity and interventions to reduce that risk
    - iv. Independently manage, with readily available supervision, low to medium risk delivery room situations.
    - v. Apply specific interventions in the stabilization of neonates as described by current Neonatal Resuscitation Program guidelines
  - c. Third Year
    - i. Identify and rapidly assess obstetric situations which are likely to require additional delivery room support for the neonate
    - ii. Demonstrate the pediatrician's role in reducing fetal and neonatal risk through participation in the assessment and management of neonatal and perinatal conditions that place the neonate at risk of death or morbidity
    - iii. Manage and direct the resuscitation and stabilization of most high risk or unstable infants at delivery
    - iv. Effectively supervise and lead a team of providers in the resuscitation of neonates and in neonatal transport
    - v. Effectively communicate information regarding prognosis to families facing high risk obstetric situations in a manner that is sensitive and supportive
    - vi. Effectively and compassionately describe the course of neonatal stabilization to families facing high risk obstetric situations
    - vii. Compassionately advise patients regarding the option for "comfort care" in specific obstetric and neonatal situations
    - viii. Manage or advise pediatricians in the management of common diseases that arise in the neonatal period
- 2. Interpersonal communication skills (All years)
  - a. Effectively communicate recommendations and orders to providers of neonatal care involved in the stabilization of unstable neonates in referring institutions and during transport
  - b. Effectively communicate recommendations verbally and in written form to providers requesting neonatology consultation
- 3. Professionalism (All Years)
  - a. Demonstrate a commitment to the acquisition of knowledge related to consultation, parental and family support, and neonatal resuscitation
  - b. Demonstrate the skills required to critically appraise and apply medical literature to neonatal resuscitation and antenatal consultation
  - c. Demonstrate a commitment to carrying out professional responsibilities
- 4. Practice-Based Learning (All years)
  - a. Evaluate his/her own skills, clinical and procedural, in the resuscitation of neonates and take steps to improve those skills
  - b. Use scientific knowledge to investigate and evaluate one's own practice in the delivery room

**Medical Director:** John Cahill, M.D.

**Evaluation:**

Evaluations will be managed through e-Value.