Neonatal Resuscitation Team

The following goals and objectives are intended to inform each EM resident of what you should gain from your educational experience during the Rotation with the Neonatal Resuscitation Team at Parkland Hospital, both clinical and didactic.

These goals and objectives are also intended to assist you in achieving competencies appropriate for the EM resident. They can be achieved through customary methods including the fulfillment of supervised clinical assignments, attendance and participation in didactic activities, and study.

Patient Care
• Demonstrate the ability to urgently assess the respiratory status of the newborn
• Demonstrate the ability to urgently assess the circulatory status of the newborn
• Demonstrate airway management
• Demonstrate ability to perform appropriate history and physical exams for critically ill neonates
• Demonstrate the ability to interpret data from ECG monitors, ECGs, hemodynamic monitoring, arterial blood gas analysis, pulse oximetry, and end tidal CO$_2$ monitors
• Explain the etiologic basis and pathophysiology of common presentations of sepsis, shock, organ failure, respiratory distress/failure and cardiac arrest in neonatal patients
• Describe the dosages, indications and contraindications of pharmacologic and therapeutic interventions for shock, cardiac failure and arrest, dysrhythmia, and sepsis
• Demonstrate understanding of the effect of gestational age, nutrition, and general health on the ability to tolerate critical illness and injury, and on management guidelines
• Demonstrate understanding and performance of basic procedures in critical neonatal patients

Medical Knowledge
• Learn the Neonatal Resuscitation Team’s approach to term and premature newborns
• Develop an understanding of the concept of high risk pregnancies and deliveries
• Learn clinically pertinent respiratory, cardiovascular, gastrointestinal, renal, genitourinary, and neurologic pathophysiology with respect to shock, sepsis, organ failure, respiratory distress/failure, and cardiac arrest in the neonatal patient
• Learn principles of medical instrumentation and hemodynamic monitoring useful in the care of critically ill neonatal patients
• Learn the indications and develop the technical skills to perform basic diagnostic and therapeutic interventions in critical neonatal patients
• Learn the rational use of laboratory, radiographic and other diagnostic tests in the management of critical neonatal patients
• Learn the principles of pharmacotherapy and the routes and dosages of drugs recommended during cardiac arrest and resuscitation in neonatal patients
• Learn the indications for withholding and terminating resuscitation in neonates

Practice - Based Learning and Improvement
• Demonstrate evidence-based decision-making
• Show appropriate use of educational resources
• Effectively utilize senior residents, fellows, and faculty that supervise during this rotation for education and optimizing patient care
• Review and discuss current literature as appropriate to patient care

Interpersonal and Communication Skills
• Demonstrate effective information exchange with patients and their families
• Communicate the treatment plan to supervising and consulting physicians
• Communicate effectively and listen to other members of the health care team
• Answer questions and provide information in a clear and respectful manner
• Convey respect for others and display an appropriate degree of confidence

**Professionalism**
• Apply appropriate ethical practice to patient care
• Maintain patient privacy and confidentiality
• Demonstrate sensitivity and responsiveness to the culture, age, gender and disabilities of patients and their caregivers / family
• Arrive on time and complete assigned duties

**Systems - Based Practice**
• Understand basic resources available for care of the patient in the Neonatal Intensive Care Unit and Labor and Delivery Unit settings
• Utilize the consultation process appropriately
• Practice cost-effective health care delivery and resource allocation that does not compromise quality of care
• Understand the organization of patient care services in the Neonatal Intensive Care Unit setting
• Advocate high quality health care and assist patients in dealing with complex health care delivery systems
• Work effectively with other members of the health care delivery team to improve health care and health care system performance in the Neonatal Intensive Care Unit and Labor and delivery setting