



FELLOWSHIP TRAINING PROGRAM IN NEONATAL-PERINATAL MEDICINE

Elective Rotations for Pediatric Residents from outside the University of Texas Southwestern Medical Center/Children's Medical Center

The Division offers six elective rotations to residents from other programs:

1. Neonatal Intensive Care Unit (NICU) Rotation at Parkland Memorial Hospital with one afternoon a week of observership at the Low Birth Weight Clinic at Children's Medical Center. The overall goal and objective of the rotations for the pediatric residents in the NICU is to gain extensive experience in the recognition and care of the high-risk, low-birth-weight, preterm (<2200gm or <34wks) and term neonate who requires intensive or intermediate care, surgery, or evaluation by other pediatric specialists.
2. Neonatal Intensive Care Unit (NICU) Rotation at Children's Medical Center. The overall goal and objective of the rotations for the pediatric residents in the Neonatal Intensive Care Nursery at Children's Medical Center is to gain extensive experience in the recognition and care of the high-risk, low-birth-weight, preterm (<37 wks) and term neonate who requires transfer to a referral center or admission to the neonatal intensive care unit for intensive or acute care, surgery or other intervention, or evaluation by other pediatric specialists. Since the CMC NICU is a referral center, many patients admitted to that NICU have higher complexity than those admitted to a NICU with predominantly inborn patients. Therefore, this elective rotation is open to residents in the program at Children's Medical Center and to external rotators after they have completed their basic 2nd year NICU rotation.
3. Labor and Delivery Rotation at Parkland Memorial Hospital, offered to PGY-3 residents. The primary objective of the PGY-3 L&D rotation is to solidify and enhance skills in effective newborn resuscitation as well as appropriate triage of the high risk newborn. Myra Wyckoff, M.D., an internationally acclaimed physician in neonatal resuscitation research, directs a very unique resuscitation rotation, which includes exposure to a computerized patient simulator, NRP certification and training, participation in resuscitation research, review of the literature, attendance at high-risk deliveries, and transfer to and admission of high-risk infants to the NICU.
4. Newborn Nursery Rotation at Parkland Memorial Hospital
The Newborn Nursery (NBN) at Parkland Memorial Hospital offers a 2-4 week elective for Residents who have completed their required month in the NBN . This elective may be tailored to the Resident's needs, and may include any of the following:
 1. Complete care of the term and near-term newborn from delivery through discharge, including anticipatory guidance for the parent
 2. Assessment and management of the breastfeeding couplet
 3. Early follow-up care of the infant with common problems such as weight loss, jaundice, and breastfeeding issues
 4. Care of Level 2 patients (those with pneumonia and other transient respiratory problems, illicit drug exposure, hypoglycemia)
 5. Neonatal resuscitation experience in the Delivery Room
 6. Interactive teaching of the 3rd year medical students
 7. The complete circumcision process
 8. Option to combine this rotation with an outpatient experience (e.g., Genetics Clinic, Low Birth Weight Clinic, etc.)

5. Low Birth Weight Rotation at Children's Medical Center

The Low-Birth-Weight Follow-Up Clinic, run by Dr. Roy Heyne,

- Provides primary care to 90% of extremely low birth weight infants born at Parkland Memorial Hospital up to 3 years as needed.
- Is involved routinely with national studies regarding premature infants and their future development.
- A unique clinic in the state that provides comprehensive primary care specifically to very low birth weight infants.
- Provides formalized developmental testing as part of a patient's treatment plan.

The goals and objectives of this rotation include the following:

- Learn how impact of neonatal morbidities and interventions is tracked over time from clinical and research perspectives
- Become familiar with spectrum of evolving variations from normal development in high-risk infants and with the tools used to assess/diagnose such; develop understanding of issues/controversies in administering, interpreting, reporting
- Acquire appreciation of ongoing growth, nutritional, and feeding issues of ELBW infants, including social FTT, oral aversion, GERD, short bowel.
- Observe course/management of chronic lung disease (BPD)
- Gain insight into psychosocial impact of prematurity, emerging morbidities, chronic illness on families, as well as impact of psychosocial and environmental factors on child's course/outcome.
- Learn how a multidisciplinary team interacts internally and interfaces externally with community services to address medical, developmental, and psychosocial issues/needs

The focus of the rotation is outlined below: [link to description] (allowing for extension into other weeks according to availability of illustrative patient cases):

- A. First two days: Introduction/Orientation
- B. First week: Development Screening/Assessment
- C. Second week: Neuromotor Assessment
- D. Third Week: Psychosocial Assessment
- E. Fourth Week: Chronic Diseases & Growth/Nutrition

6. Research rotation: For this purpose you will need to identify a mentor and a research project.