Neonatal Intensive Care

**Course Name:** Neonatal Intensive Care Unit

**Academic Chief:** Indira Chandrasekar, MD; Jimmy Lan MD

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**Location:** Valley Children’s Hospital

**Course Description:** The student rotating on this elective will achieve an understanding of the complex medical needs of high-risk neonatal patients. Student will participate under supervision of neonatology faculty and senior pediatric residents, in assessment (history, physical examination, and initial diagnostic studies), formulating differential diagnosis and management of common neonatal conditions including: prematurity, respiratory distress, neonatal sepsis, apnea, congenital heart disease and other complex anomalies.

Student will be expected to achieve proficiency in physical examinations of premature and high-risk term infants and understanding pathophysiology of common neonatal diseases. The student will achieve an understanding of principles of critical care including nutritional support, fluid and electrolyte therapy, respiratory support including indications for endotracheal intubation, umbilical vessel catheterization and lumbar puncture.

Student will participate in continuing care of neonates, communicate and work effectively with members of care team, parents and families.

The student will participate in daily educational activities including morning report, work rounds, multidisciplinary rounds (every Wednesday), and case discussion conferences (every Friday)

This rotation offers a unique clinical learning environment with interprofessional education supporting a diverse, underserved patient population.

**Course duration:** 4 weeks

**Daily Schedule:** 7:30am for morning report followed by clinical duties directed by the attending.

**Report Instructions:** Report to GME office for orientation on the first day and then report to NICU.
Call Requirements: None
Travel Requirements: None
Required Reading: NICU handbook will be provided during rotation
Equipment Needed: None