

Department of Pediatrics

Neonatal-Perinatal Medicine Fellowship Program

Subspecialty Resident Levels of Care
PGY IV, V, VI

Clinical Diagnosis Management	Clinical Non-Invasive Management	Clinical Invasive (Operative Management)
<ul style="list-style-type: none">• Documents history and physical examination in critically ill infants;• Supervision of residents with complex patients or those with multiple organ failure, pre and post-operative management assigned to the NICU rotation;• Formulates differential diagnosis;• Orders appropriate consults;• Obtains and documents informed consent;• Interpret hemodynamic parameters in critically ill neonates• Management of hemodynamically unstable infants• Understands the role of the Neonatologist as a consultant to other physicians;• Interpret chest radiographs and CT images of the chest;• Interpret therapeutic drug levels for antibiotics and other drugs;• interpret pulmonary function tests;	<ul style="list-style-type: none">• Manage patients undergoing peritoneal dialysis and hemofiltration;• Performs monitored conscious and deep sedation for invasive procedures• Manages mechanical ventilation in acute and chronic respiratory failure• Inhaled Nitric Oxide• Manage critically ill newborns with multisystem dysfunction• ECMO• Congenital post-op heart disease• Open heart surgery at Arkansas Children's hospital.	<ul style="list-style-type: none">• Perform percutaneous venous catheterizations, and peritoneocentesis;• Perform umbilical vessel catheterizations;• Performs skin biopsy• Tube thoracostomy• Performs emergency pericardiocentesis, thoracentesis• Performs arterial catheterization umbilical/peripheral intubation.