

## NICU Studies

### **KNIRS (PI: Matt Harer)**

Study type: Prospective observational clinical trial

Setting: Meriter NICU

Population: < 32 week preterm neonates, < 4 days of age at start of monitoring

Funding: Wisconsin Partnership Program and ICTR KL2 Scholar

Objective: Validation of renal NIRS monitoring in preterm neonates

### **Happy Baby Hearts (PI: Matt Harer)**

Study type: Prospective observational clinical trial

Setting: Meriter Nursery, NICU & AFCH NICU, PICU

Population: Neonates identified as at risk for coarctation of the aorta prenatally

Funding: Meriter Foundation Grant

Objective: Evaluate feasibility of renal NIRS monitoring in nursery as well as changes in renal oxygenation in patients at risk of coarctation of the aorta

### **Baby Brain Recovery Study (PI: Bernadette Gillick, Medical Monitor: Ryan McAdams)**

Study type: longitudinal observational study

Setting: Waisman Center (recruitment at AFCH, Meriter NICU, community)

Population: Infants with acute unilateral or bilateral brain lesions ((Eg. Stroke, ICH, PVL), CGA between term and 6 months

Funding: NIH Grant

Objective: To map functional integrity and excitability of the corticospinal tract (CSTs), To map the structural integrity and connectivity of the CSTs

### **Healthy Little Eyes (PIs: Pelin Cengiz, Ryan McAdams, Maria Stanley, Bikash Pattnaik)**

Study type: Longitudinal (retrospective & prospective) observational clinical trial

Setting: Meriter NICU, AFCH NICU, AFCH & Waisman Newborn Follow Up Clinic

Population: Infants with HIE, <78 hours of age

Funding: ICTR Grant, Meriter Foundation Grant

Objective: Evaluate if early visual function findings will correlate with the neurodevelopmental and neuroimaging outcomes in children who sustain HIE

### **AERO-03 (PI: Dinushan Kaluarachchi)**

Study type: Expanded access protocol/ Clinical trial

Setting: Meriter NICU

Population: Infants  $\geq$ 28 weeks with a clinical diagnosis of RDS, <12 hours of age

Funding: Industry sponsored

Objective: Collect efficacy and safety data on aerosolized calfactant