

# NICU Study List

Study Title	Inclusion Criteria	Exclusion Criteria	Principal Investigator
<b>KNIRS</b>	<ul style="list-style-type: none"> <li>- Preterm &lt; 32 weeks</li> <li>- &lt; 96 hours of age at start of NIRS</li> </ul>	<ul style="list-style-type: none"> <li>- Major congenital anomalies</li> <li>- Skin issue</li> <li>- Attending discretion</li> </ul>	Matt Harer <a href="mailto:mwharer@wisc.edu">mwharer@wisc.edu</a> 608 658 6304
<b>Happy Baby Hearts</b>	<ul style="list-style-type: none"> <li>- Concern for Coarctation of Aorta</li> <li>- ≥35 weeks</li> <li>- &lt; 12 hours of age at start of NIRS</li> </ul>	<ul style="list-style-type: none"> <li>- Major anomaly of kidney</li> <li>- Attending discretion</li> </ul>	Matt Harer <a href="mailto:mwharer@wisc.edu">mwharer@wisc.edu</a> 608 658 6304
<b>Baby Brain Recover Study</b>	<ul style="list-style-type: none"> <li>- Has confirmed acute unilateral or bilateral brain lesions (Eg. Stroke, ICH, PVL)</li> <li>- CGA between term and 6 months</li> </ul>	<ul style="list-style-type: none"> <li>- Metabolic disorders</li> <li>- Neoplasm</li> <li>- Contraindications to MRI</li> <li>- Separate neuro disorder</li> <li>- Apneic episodes</li> <li>- Requiring supplemental ventilation</li> <li>- Uncontrolled seizures</li> </ul>	Ryan McAdams (Med. Monitor) <a href="mailto:mcadams@pediatrics.wisc.edu">mcadams@pediatrics.wisc.edu</a> 206 499 7886  PI: Bernadette Gillick <a href="mailto:bgillick@wisc.edu">bgillick@wisc.edu</a>
<b>Healthy Little Eyes</b>	<ul style="list-style-type: none"> <li>- Diagnosed with HIE (does not require cooling)</li> <li>- Less than 78 hours at enrollment</li> </ul>	<ul style="list-style-type: none"> <li>- Diagnosed brain/eye abnormalities ex. ROP</li> <li>- CNS illness other than HIE</li> </ul>	Ryan McAdams <a href="mailto:mcadams@pediatrics.wisc.edu">mcadams@pediatrics.wisc.edu</a> 206 499 7886  Main PI: Pelin Cengiz

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		<ul style="list-style-type: none"> <li>- Attending does not approve</li> <li>- Minor parents, state custody, foster care</li> </ul>	<a href="mailto:cengiz@wisc.edu">cengiz@wisc.edu</a>
<b>AERO-05</b>	<ul style="list-style-type: none"> <li>- Gestational age at birth <math>\geq 29\ 0/7</math> AND <math>\leq 36\ 6/7</math></li> <li>- Birthweight <math>\geq 1,000</math> AND <math>\leq 3,500</math> grams</li> <li>- Age <math>\geq 1</math> hour and <math>\leq 6</math> hours</li> <li>- Clinical diagnosis of surfactant-deficient RDS</li> <li>- Requiring CPAP</li> <li>- Respiratory Severity Score (RSS) <math>\geq 1.25</math> AND <math>\leq 2.4</math></li> <li>- If subject is <math>&gt;34</math> weeks' gestation a chest radiograph is required</li> </ul>	<ul style="list-style-type: none"> <li>- Surfactant administration prior to randomization</li> <li>- Mechanical ventilation prior to randomization</li> <li>- Major congenital anomaly (suspected or confirmed)</li> <li>- Abnormality of the airway (suspected or confirmed)</li> <li>- Respiratory distress presumed secondary to an etiology other than RDS</li> <li>- Culture-positive bacterial sepsis requiring at least 5 days of antibiotic therapy.</li> <li>- Apgar score <math>&lt;3</math> at 5 minutes of age</li> <li>- Umbilical cord gas pH <math>&lt;7.0</math> or BD <math>&gt; 10</math></li> </ul>	Dinushan Kaluarachchi <a href="mailto:kaluarachchi@pediatrics.wisc.edu">kaluarachchi@pediatrics.wisc.edu</a> 347 279 5014
<b>PEAPOD</b>	<ul style="list-style-type: none"> <li>- Born at Meriter Hospital, Inc <math>\leq 32</math> weeks GA</li> </ul>	<ul style="list-style-type: none"> <li>- Known genetic condition that impact neurodevelopmental</li> </ul>	Whitley Hulse <a href="mailto:whulse@wisc.edu">whulse@wisc.edu</a> 785 550 5827

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		<p>outcomes or brain structure development.</p> <ul style="list-style-type: none"> <li>- Multiple major congenital anomalies</li> <li>- Will require transfer to AFCH prior to 36 weeks PMA</li> </ul>	
<p><b>Lung POCUS to Predict Extubation Success</b></p>	<ul style="list-style-type: none"> <li>- All infants admitted to the NICU with respiratory distress requiring intubation.</li> <li>- Meeting the following extubation readiness criteria as per the attending neonatologist.</li> </ul>	<ul style="list-style-type: none"> <li>- Known major congenital disease (chromosomal abnormality, heart disease, respiratory malformation)</li> <li>- Neonates with parents that are less than 18 years old.</li> </ul>	<p>Adam Bauer  <a href="mailto:adam.bauer@wisc.edu">adam.bauer@wisc.edu</a>            414 828 7316</p> <p>Ann Chacko  <a href="mailto:archacko@uwhealth.org">archacko@uwhealth.org</a></p>