

MEET THE TEAM

Pelin Cengiz, MD:

Dr. Cengiz is a pediatric critical care physician who works with children of all ages in the Pediatric Intensive Care Unit at the American Family Children's Hospital. She also works as a researcher at the Waisman Center where she is the principal investigator at the Cengiz Lab.

Bikash Pattnaik, PhD:

Dr. Pattnaik works as a researcher focusing on the eye, vision, and associated diseases. In his research, his studies focus on understanding the mechanisms of various pediatric eye conditions.

Maria Stanley, MD:

Dr. Stanley is a developmental behavioral pediatrician at the Waisman Center. She cares for children and babies with a range of abilities in the Newborn Follow-Up, Down Syndrome, and Autism and Developmental Disabilities Clinics.

Megan Watts Berube, MD:

Dr. Berube is a neonatologist working with babies who require the highest level of care in the Newborn Intensive Care Unit at American Family Children's Hospital.

UWHealthKids

 **WAISMAN CENTER**
UNIVERSITY OF WISCONSIN-MADISON

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For more information about how the
Cengiz Research Lab and Study



HEALTHY LITTLE EYES

Help us understand
how babies' eyes
function changes over
time!



About The Study

We invite your child to take part in a research study about how a child's visual function is related to their future development.

THE VISIT

Where: Waisman center for the official study exam that may last for 30-60 minutes .

How: Eye exams will be performed with a non-invasive clinical handheld device and do not require eye drops or sedating medications.

When: Eye exam would be performed at or within 2 weeks of either the 3 month, 9 month, 18 month, or 30 month Newborn Follow-up Clinic visits

Compensation: \$60 for full completion of study.



Little eyes getting tested at the Waisman Center

WHO CAN PARTICIPATE?

- We are inviting babies and young children from birth to 36 months of age who have a history of hypoxic-ischemic encephalopathy (HIE) to participate.
- The information learned from this research may lead to improved care for babies with HIE by diagnosing them early in life, leading to better developmental outcomes.

Visual Function Test

We are using a handheld testing device along with medical treatment data to assess two measures of your child's visual function.

VEP

For the visual evoked potential (VEP), small pads are placed on the head using a small dot of adhesive paste. The handheld device is then connected and the child will see a light flicker.

ERG

For the electroretinogram (ERG), skin electrodes are placed under the eye. the child will see brief flashes of light. Each eye will be tested separately, and while testing one eye, the other eye may be patched.

For more information about how testing is performed, please scan this QR code

