

## MEET THE TEAM

### **Pelin Cengiz, MD:**

Dr. Cengiz is a physician scientist whose research focuses on understanding mechanisms of brain injury in neonates. Her research lab is located at the Waisman Center.

### **Bikash Pattnaik, PhD:**

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

### **Ryan McAdams, MD:**

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

### **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.

**UWHealthKids**



**Interested?**  
**Contact a study**  
**coordinator!**

Email:

[researchnurses@pediatrics.wisc.edu](mailto:researchnurses@pediatrics.wisc.edu)

Phone: **608-228-4940**



**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:**

-Two eye exam sessions may be performed on NICU infants during the first 2 weeks of life

-One eye exam session may be performed on children 0-36 months during the 3 month, 9 month, 18 month, or 30 month Newborn Follow-up Clinic visits

**Compensation:** \$50 per eye exam session.



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 hypoxemic-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

