



# Assessing Visual Processing Abilities in Cerebral Visual Impairment

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## Research Project Description

We are interested in investigating how individuals with a brain-based visual impairment perceive the world around them. To study this, we have designed approaches to assess functional vision abilities using novel visual tasks.

These tasks use virtual reality and eye tracking that follow the movement of the eyes. The tasks are designed to investigate how children, adolescents, and adults process complex visual information under different conditions related to environmental complexity and sensory processing.



This study will help us better understand how individuals with visual impairment see and interact with the world around them and provide further characterization of visual perceptual abilities beyond standard clinical testing. Results are shared with participants and families.

## General Eligibility Criteria:

- Aged 7 or older and having a diagnosis of early onset visual impairment associated with Cerebral/cortical visual impairment (CVI) AND visual acuity sufficient to perform tasks (generally 20/60 Snellen equivalent or better).

### Other Eligible participants:

- Diagnosis of attention-deficit/ hyperactivity disorder (ADHD) with (or corrected) normal visual acuity and no history of visual impairment.

### Participation includes:

- Approximately 1 to 2 hours per study
- Compensation for participation, parking, and travel expenses reimbursement provided

For more information, please contact:

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