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What experience have you had with children who have visual impairment?

- a. No experience
- b. I worked with a child in the past
- c. I am currently working with a child
- d. I have worked with many children







Cerebral/Cortical Visual Impairments

- "Visual impairment due to damage or disorder of the visual pathways and visual centers in the brain, including pathways serving visual perception, cognition, and visual guidance of movement (Dutton & Lueck, 2015, p. 4)."
- Strategies vary by student, task, environment, and the characteristic related to CVI
- For educational definition see: http://www.aph.org/cvi







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type your name in the chat pod while blocking your lower visual field



Difficulty with Visually Guided Reach/ Visual Motor













Diagnosing Cortical Vision Impairment (CVI)





Does this Child have Autism Spectrum Disorder or Cortical Vision Impairment?

Characteristics Related to Visual Patterns

- a. Joey will compulsively gaze at lights.
- b. Myra easily becomes overstimulated and when she does, she has a short attention span.
- c. Sunder will consistently wiggle his fingers in front of his eyes.
- d. Tamika rarely looks directly at an object but typically uses her peripheral vision.

Does this Child have Autism Spectrum Disorder or Cortical Vision Impairment?

Characteristics Related to Social & Communication

- a. Jake does not interact with his peers at child care.
- b. Katrina has not been able to learn categories. She is still trying to learn different types of animals.
- c. Shira will repeat phrases from movies over and over again.

Does this Child have Autism Spectrum Disorder or Cortical Vision Impairment?

Characteristics Related to Motor Planning & Sensory Stimuli

- a. Jasmine has a difficult time navigating a cluttered room. She will often bump into things or step on objects.
- b. Gwendolyn does not like soft food textures and only eats crunchy foods.
- c. Rafael does not like to be in crowds. He gets very upset.
- d. Wendell is working on skills needed to eat lunch. He prefers to grab his food with his fist and has difficulty using a fork.





M-CHAT-R/F Common Characteristics

- If you point at something across the room, does your child look at it?
- Does your child play pretend or make-believe?
- When you smile at your child, does he or she smile back at you?
- Does your child look you in the eye when you are talking to him or her, playing with him or her, or dressing him or her?
- If something new happens, does your child look at your face to see how you feel about it?

M-CHAT-R/F Characteristics that May not be Observed in CVI

- Have you ever wondered if your child might be deaf?
- Does your child make unusual finger movements near his or her eyes?

M-CHAT-R/F Characteristics that May Need Further Interpretation

- Does your child understand when you tell him or her to do something?
- Is your child interested in other children?
- Does your child point with one finger to ask for something or to get help?
- Does your child respond when you call his or her name?
- Does your child get upset by everyday noises?
- Does your child try to copy what you do?

M-CHAT-R/F Follow Up Interview

Is _____ interested in other children?

Does your child...

- Play with another child?
- Talk to another child?
- Babble or make vocal noises?
- Watch another child?
- Smile at another child?
- Act shy at first but then smile?
- Get excited about another child?



Resources for CVI

- Little Bear Sees http://littlebearsees.org/what-is-cvi/
- Perkins Webcasts <u>http://www.perkinselearning.org/videos/webcast/cortical-</u> visual-impairment-and-evaluation-functional-vision#transcript
- National Center on Deaf-Blindness: Special Topics <u>https://nationaldb.org/library/list/91</u>
- West Virginia Department of Education On-Line CVI Training <u>http://wvde.state.wv.us/osp/vi/cvi/</u>
- American Printing House CVI Information <u>http://www.aph.org/cvi/index.html</u>