

# Vision Techniques for Eye Movement Disorders Associated with Autism, ADHD, Dyslexia & Other Neurological Disorders

Friday, April 29, 2022

## Program Information

Central time

**8:00am** Program begins  
**11:50am-1:00pm** Lunch break  
**4:00pm** Program ends

There will be two 15-min breaks (mid-morning & mid-afternoon).  
Actual lunch and break start times are at the discretion of the speaker.  
A more detailed schedule is available upon request.

### To Register:

<https://bdiplayhouse.com/providerworkshops/>

**Location:** BDI Playhouse Children's Therapy  
600 N Commons Dr Ste 102, Aurora, IL 60504

**Host:** BDI Playhouse Children's Therapy

### For more information or questions:

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For additional information visit:

<https://cdn.pesi.com/pdf/inhouse/faq.pdf>

Do you work with children with ADHD, dysgraphia, dyslexia, letter reversals and reading problems that do not respond to typical treatments? Are you frustrated by a lack of progress in children who exhibit poor:

- reading skills
- handwriting
- posture
- visual motor integration
- ball handling skills
- visual processing and visual perceptual skills?

Do you know a child that cannot catch a ball and frequently trips? What about the child with autism that studies small objects in the peripheral? Or a low tone child that struggles with handwriting? These problems may be related to an eye movement or near vision focusing difficulties.

Attend this workshop and learn to find the root of these problems by learning to assess eye movements and near vision. You will learn evidence-based techniques to improve vision that integrate the visual, vestibular and proprioceptive systems using interventions developed by an occupational therapist that will get results. Thorough video demonstrations and case studies you will learn treatment techniques, including: DIY and high-tech solutions, the Brock String and Hart Chart, prism and lenses, holistic techniques, tools for balance, gait and posture and more!

These interventions can be used immediately and effectively in your practice to improve outcomes in your young patients. Master these treatment techniques and increase your confidence in your own practice abilities! Register today!

**Target Audience:** Occupational Therapists  
Occupational Therapy Assistants • Physical Therapists  
Physical Therapist Assistants

## Speaker **ROBERT CONSTANTINE, OTR/L,**

is an occupational therapist with nearly 20 years of experience in the fields of visual and neurological rehabilitation. Mr. Constantine is employed by the Pearl Nelson Child Development Center, where he focuses on the treatment of eye movement disorders in neuro-typical and special needs children. Mr. Constantine's passion leads him to intensive studying of the visual system and continuous searches for new ways to improve patient outcomes.

He is a member of the Neuro-Optometric Rehabilitation Association, a unique interdisciplinary organization that brings together the tools of optometry, occupational and physical therapy to improve outcomes for patients with neurological diagnoses. In addition, he is the only occupational therapist to be a member of the High Performance Vision Associates, an elite group of sports vision optometrists. As such, Mr. Constantine has participated in sports vision screenings at IMG Academy, Hendricks Motorsports, and on the PGA tour. He has also developed and marketed drag-racing specific glasses that have been successful in NHRA Sportsman drag racing, as well as having worked with elite NHRA racers, golfers, and sporting clays champions.

### Speaker Disclosures:

Financial: Robert Constantine has employment relationships with Kindred at Home and Pearl Nelson Child Development Center. He receives a speaking honorarium and recording royalties from PESI, Inc. He has no relevant financial relationships with ineligible organizations.

Non-financial: Robert Constantine has no relevant non-financial relationships.

## Program Outline

### The Pediatric Eye Exam

Ophthalmology or Optometry or  
Vision Therapy  
Case study Becca

### Anatomy of the Visual System

The anatomy of the Orbit  
Muscles of the eye  
The visual pathways of vision in the  
brain  
Magnocellular vs Parvocellular  
Stream

### Congenital Visual Problems

Coloboma  
Optic Nerve Hypoplasia: Case study  
Blake  
Retinopathy of Prematurity  
The role of therapists in Cortical  
Visual Impairment

### Common Eye Movement Problems Affecting PT and OT Outcomes

Suppression  
Strabismus, Anisometropia, and  
amblyopia  
Nystagmus  
Convergence Insufficiency  
Accommodative problems

### Assessment of Eye Movements and Near Vision

Tracking  
Saccades  
Convergence  
The Near Vision System: Case study  
Raleigh  
Lab Time

### Treatment Techniques for the Visual System

DIY and High-Tech solutions  
The Brock String and Hart Chart  
Prism and lenses  
Holistic treatment techniques  
Clinic videos  
Case studies describing treatment

### Vision Tools for Balance, Gait and Posture

BiNasal Occulsion  
"Glasses that fix toe-walking"  
Case studies: Charlotte; Audry  
Mid-Line Shift Syndrome:  
Case study Ben

### Vision Problems Associated with:

TBI, Stroke and Concussion  
ADHD: Case study Bryson and Nate  
Dyslexia  
Autism  
Sensory Modulation Postural  
Dysfunction: Case study Jon

### Mid-Level Visual Processes

Visual motor integration tips: Case  
study David  
Visual processing disorder  
Visual perceptual deficits

### Coding and Goals for Eye Movement Problems

ICD-10 codes common for eye  
movement problems  
Basic goals for eye movement  
problems  
Resources for more information

## Objectives

1. Explore the anatomy and physiology of the visual system from cornea to cortex.
2. Recognize eye movement disorders associated with ADHD, dysgraphia, and dyslexia and improve outcomes for these diagnoses.
3. Demonstrate techniques to assess for eye movement difficulties and near vision using readily available tools.
4. Communicate the role of vision in gait, balance and posture.
5. Recognize the signs of a faulty near-vision system and the implications of reading and visual motor integration.
6. Demonstrate evidence-based techniques to treat eye movement defects.
7. Articulate common ICD-10 codes for eye movement disorders.

## Continuing Education Credits



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### Occupational Therapists & Occupational Therapy

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