

## 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 Occlusion  
"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.

### Live Seminar & Webcast Schedule (Times Listed in Eastern)

**7:30** Registration/Morning Coffee & Tea  
**8:00** Program begins  
**11:50-1:00** Lunch (*on your own*)  
**4:00** 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.

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

## Hands-on Assessments and Treatments for Children and Adolescents

Charlotte, NC  
Thursday, December 5, 2019

Raleigh, NC  
Friday, December 6, 2019

Live Video Webcast  
Friday, December 6, 2019



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

## Hands-on Assessments and Treatments for Children and Adolescents

### Improve outcomes by improving the visual system:

- Assess for the common visual problems mistaken for ADHD, dyslexia and dysgraphia
- Discover the role of vision in balance, gait, reading, handwriting and letter reversals
- Evidence-based techniques that integrate the visual, vestibular and proprioceptive systems

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

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!**

## 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 Disclosure:

Financial: Robert Constantine has an employment relationship with Pearl Nelson Center. He receives a speaking honorarium from PESI, Inc.

Non-financial: Robert Constantine has no relevant non-financial relationship to disclose.

### Live Webcast Details and Live Webcast Continuing Education Credit Information

**Join us on December 6, 2019, for this live, interactive webcast!** Invite your entire office and, like a live seminar, "attend" the webcast at its scheduled time. It's easy and convenient! Webcasts provide everything you need for a premier educational experience including real-time video and audio of the speaker. See and hear the speaker, ask questions via email and have them answered during the webcast, and watch the slides all on your computer screen. Seminar materials are available for download. One CE Certificate is included. Certificates of Completion can be printed after completing and passing the on-line post-test evaluation. Additional certificates are available for \$49.99 USD per participant. Please see "live seminar schedule" for full attendance start and end times. NOTE: Boards do not allow credit for breaks or lunch. For CE information for the live webcast, please visit: [www.pesirehab.com/webcast/76016](http://www.pesirehab.com/webcast/76016)

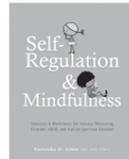
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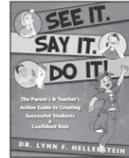
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### Self-Regulation and Mindfulness

By Varleisha Gibbs, Ph.D., OTD, OTR/L

Nationally known OT, Dr. Varleisha Gibbs has created a must-have resource for addressing self-regulation in children. This workbook is filled with mindfulness techniques, hands-on activities, worksheets, assessments, exercises and coloring pages to engage the child in their own success. Step-by-step Dr. Gibbs provides you with clear, concise and evidence-based strategies for treating children with sensory processing disorder, autism spectrum disorder, ADHD and similar developmental challenges.



### See It. Say It. Do It!

By Lynn F. Hellerstein, O.D., FCOVD, FFAO

Parents and teachers will learn practical, step-by-step strategies and activities to enhance their children's visualization skills. Surprisingly, many children have 20/20 eyesight.. yet have vision problems. When visualization skills are increased, the resulting transformation creates success in school and life. Ta-Dah! *See It. Say It. Do It!* shows parents, educators and therapists how visualization greatly affects and improves their children's lives in this highly readable and delightfully illustrated book.



PESI Inc. is proud to offer this seminar (at these locations only) free of charge (on live seminar tuition) for veterans and active duty military personnel. **Limited seats available; advance online registration required.**

**TARGET AUDIENCE:** Occupational Therapists • Occupational Therapy Assistants  
Physical Therapists • Physical Therapist Assistants • Early Intervention Staff  
Educators

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If your profession is not listed, please contact your licensing board to determine your continuing education requirements and check for reciprocal approval. For other credit inquiries not specified below, or questions on home study credit availability, please contact [cepesi@pesi.com](mailto:cepesi@pesi.com) or 800-844-8260 before the event.

Materials that are included in this course may include interventions and modalities that are beyond the authorized practice of mental health professionals. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your profession's standards.

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**Physical Therapists & Physical Therapist Assistants:** This activity consists of 6.25 clock hours of instruction that is applicable for physical therapists. CE requirements for physical therapists vary per state/jurisdiction. Please retain the certificate of completion that you receive and use as proof of completion when required.

QUESTIONS? Call 800-844-8260 or e-mail us at [info@pesirehab.com](mailto:info@pesirehab.com)

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VISION TECHNIQUES FOR EYE MOVEMENT DISORDERS ASSOCIATED WITH AUTISM, ADHD, DYSLEXIA & OTHER NEUROLOGICAL DISORDERS

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### ADA NEEDS

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### WALK-INS

Walk-ins are welcome but admission cannot be guaranteed. Call M-F 7:00-6:00 Central Time for space availability if registering within one week of seminar.

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