

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; Audrey
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.

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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

Woburn, MA

Wednesday, March 20, 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.

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

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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!

Lynn F. Hellerstein, O.D., FCOVD, FAAO

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.

Building Social Skills for Autism, Sensory Processing Disorders and Learning Disabilities: Over 105 Strategies, Activities and Sensory Tools for Children and Adolescents

By Tara Delaney MS, OTR/L & Mary C. Hamrick, MA, CCC-SLP

A revolutionary workbook to help professionals use the sensory system to teach complex social skills – build self-awareness and increase executive functioning. Includes dozens of reproducible skills, group and therapy sessions, worksheets and activities. A must have tool for professionals, teachers and parents.



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. *Advance registration by phone required.*

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