**Sensory Integration Techniques**

*for Healthcare Providers*

**4 Contact Hours - $65.00**

**4 Contact Hours plus Multi-Matrix Game - $110.00**

**Speaker:** Carl Hillier, OD, FCOVD  
**Description:** Brain development is enhanced during 3-dimensional movement or play, particularly when it is designed within a spatial structure that employs both gravity and sequential processing tasks. Through this hands-on course, participants use both online video training and a therapy tool to learn through immediate implementation of sensory integration and bi-hemispheric brain principles. Research includes review of Sensory Processing Disorder Red Flag checklists and Physician Fact Sheets on this disorder, also called Sensory Integration Dysfunction. Offline assignments require participants to experience their own sensory integration, tracking their increase or decrease in speed level as new sensory loads are added to the brain development task. From the simple and well-known concepts of eye-hand coordination and visual discrimination to more complex issues of vestibular engagement and oculomotor fatigue, participants will not only learn courses content, but also personally experience the impact of challenges placed on their own learning. Participants must practice critical observation of another individual as an educational assessment to determine if the inability to perform key course tasks indicates a potential problem.

**Objectives:** Participants will be able to:
1. Describe sensory processing disorder (SPD).
2. Differentiate between spatial awareness, pattern recognition, and working memory.
3. Identify populations that can benefit from visual, cognitive, motor, and language development.
4. Determine the relevance of sensory processing disorders to Healthcare Providers.
5. Employ sensory integration techniques using the Multi-Matrix Game as a tool for visual, cognitive, motor, and language development.

**Authorship disclosure:**  
The speakers may receive royalties from their authored publications and materials.

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**Visual Processing and the Brain: An Introduction for Healthcare Providers**

**7 Contact Hours - $150.00**

**7 Contact Hours plus optional Workbook - $185.00**

**Speaker:** Leslie Peters, BA  
**Description:** How the brain receives, processes and remembers information is neurologically dominated by the visual sensory system. Participants will evaluate how visual efficiency and perceptual problems impact learning, memory, and behavior in approximately 1 in 4 people. Deficits in visual processing skills can mimic or exacerbate the symptoms of attention deficit, learning disabilities, dyslexia, and a variety of physical, psychological, and behavior problems, leading to medications and interventions that do not address the underlying problem. Experience the dominance of your own vision-brain processing over other sensory systems and examine how the visual system integrates with other sensory systems. Review research on the impact of processing problems on a variety of health concerns and appraise typical AD/HD client questionnaires. Use a mock standardized test to judge your own performance with a binocular problem. Note: This course does not address eyesight or visual acuity.

**Objectives:** Participants will be able to:
1. Recognize the difference between visual processing and visual acuity.
2. Practice brain experiments and describe brain plasticity.
3. Review research on oculomotor and visual perceptual skills.
4. Define how 13 vision, auditory, and vestibular skills can impact learning and behavior.
5. Explain how 13 vision, auditory, and vestibular skill deficits can lead to a misdiagnosis.
6. Describe why vision can lead to negative physical symptoms when watching 3-D media.
7. Examine new questions to include in patient intake forms.

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**Visual Processing Assessment: A Simple Tool for Healthcare Providers**

**5 Contact Hours - $130.00**

**5 Contact Hours plus optional Workbook - $165.00**

**Speaker:** Leslie Peters, BA  
**Description:** Approximately 1 in 4 people have a hidden visual processing deficit that can cause physical symptoms as well as impact learning, memory, and behavior. Healthcare providers and therapists can employ a quick and easy non-normed assessment to determine if a potential processing problem is presenting as an alternate health issue. Because deficits in visual processing skills can mimic the symptoms of many other healthcare concerns it is important to use key client questions to uncover a suspected processing problem. Using an educational screening tool, participants will examine assessments for thirteen skills including eye movement control, eye teaming, focus shifting, auditory-visual integration, and visual memory. Through case study videos students will be challenged to determine if they can spot a problem as the client is assessed. Offline assignments require students to practice what they have learned with a partial assessment of several volunteers or clients, analyze payload of strabismus and amblyopia, and plan for referral to appropriate vision professionals.

Note: This course does not address eyesight or visual acuity. It is assumed students have already taken the Visual Processing and the Brain course and can identify symptoms of a problem associated with each of the 13 skills covered in this program.

**Objectives:** Participants will be able to:
1. Use an educational assessment tool for several processing skills.
2. Integrate new client questions into their practice, where appropriate.
3. Recognize behaviors and compensation tactics that indicate a problem for each skill.
4. Explain the importance of amblyopia screening for children of all ages.
5. Evaluate referral resources for amblyopia.

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