

# Treatment of Motor Issues in Children with Sensory Dysfunction

Liesa Persaud, DPT, PCS, PT, CKTP



## Faculty

Liesa M. Persaud, PT, DPT, PCS, CKTP is a compelling instructor and accomplished licensed physical therapist with 26 years' experience in the field of adult and pediatric therapy. She has educated healthcare professionals in advanced treatment techniques, specialized practical training, and consultative services. Ms. Persaud has worked in a variety of settings, including private pediatric and adult clinics, schools, private homes, hospitals, and long-term care facilities. She is a Credentialed Clinical Instructor and teaches human anatomy, physiology, and nutrition at Tulsa Community College. She received her Bachelor of Science Degree in Organizational Leadership from Southern Nazarene University in Tulsa, Oklahoma and a master's degree in Physical Therapy from the University of Findlay in Findlay, Oklahoma. She also earned a post-graduate doctorate from Rocky Mountain University of Health Professions and is a Board-Certified Specialist in Pediatric Science.

Disclosure: Financial: Liesa Persaud receives a speaking fee from Education Resources for this course. Non-Financial: She has no relevant nonfinancial relationships to disclose.

## About this Course

Gain practical “Sensory-Aware”<sup>\*</sup> tools to treat children with both underlying gross motor and sensory dysfunction. You will learn to utilize sensory-aware skills that are based in functional strengthening and coordination activities to maximize the effectiveness of your treatments. You will leave this course with the ability to improve children’s postural control, foundational weakness, instability, incoordination, motor planning, and restricted mobility by utilizing sensory knowledge to improve functional outcomes and increase participation in school and at home. This course can be taken on its own or as the next step following Dr. Persaud’s toe-walking course.

## Objectives

- ① Describe interdependent dynamics of sensory systems as they relate to gross motor function.
- ① Assess and identify specific areas of sensory dysfunction in pediatric clients who are referred to physical therapy for gross motor challenges.
- ① Apply skilled clinical reasoning in sensorimotor therapeutic interventions.
- ① Develop sensory-based strategies to increase postural control, strength, coordination, motor planning, stability & mobility.
- ① Explain evidence-based rationale for chosen therapeutic techniques to improve caregiver, team, and administrative communication and understanding.

## Audience

Clinical Level: Intermediate physical and occupational therapists who work with children in school, at home, or in the clinic.

<sup>\*</sup> “Sensory Aware” techniques are evidence-based sensory techniques beyond common knowledge and are integrated with a motor learning frame of reference.

Help your patients achieve better outcomes.

## Schedule – Day 1

<b>7:30-8:00</b>	Registration/Continental Breakfast
<b>8:00-9:45</b>	<p>The significance of the vestibular, visual &amp; proprioceptive systems to gross motor function:</p> <ul style="list-style-type: none"> <li>④ Vestibular functioning &amp; muscle tone</li> <li>④ Visual dysfunction &amp; its effects on postural control</li> <li>④ Proprioception &amp; movement coordination</li> </ul>
<b>09:45-10:00</b>	Break
<b>10:00-11:45</b>	<p>Sensory based physical challenges:</p> <ul style="list-style-type: none"> <li>④ Dyspraxia</li> <li>④ Postural Disorder</li> <li>④ Gait abnormalities</li> <li>④ Working with common comorbidities: strategies to help children with auditory processing disorder, gravitational insecurity, ADHD, &amp; Autism</li> </ul>
<b>11:45-12:45</b>	Lunch (on your own)
<b>12:45-1:45</b>	<p>Assessment of vestibular, visual &amp; proprioceptive performance:</p> <ul style="list-style-type: none"> <li>④ Post rotary nystagmus</li> <li>④ Prone extension</li> <li>④ Supine flexion</li> <li>④ Modified Clinical Test of Sensory Interaction in Balance</li> <li>④ The Kaplan Non-Verbal Battery (test of vision)</li> <li>④ Comprehensive Observations of Proprioception</li> <li>④ Direct measurements of proprioception &amp; clinical procedure</li> </ul>
<b>1:45-2:00</b>	Break
<b>2:00-4:30</b>	<b>LAB:</b> Clinical case study analysis, video examples & interactive group discussion

## Schedule – Day 2 (cont.)

<b>7:30-8:00</b>	Continental Breakfast
<b>8:00-9:45</b>	<p>Improved sensory function &amp; subsequent gross motor ability:</p> <ul style="list-style-type: none"> <li>④ Foundational sensory competence</li> <li>④ Development of sensorimotor function</li> </ul>
<b>9:45-10:00</b>	Break
<b>10:00-11:45</b>	<p>Utilization of each sensory system to support motor skills in therapy sessions: Formulating and Implementing Treatment</p> <ul style="list-style-type: none"> <li>④ Vestibular contributions during physical activity</li> <li>④ Vision activities</li> <li>④ Proprioception &amp; motor development</li> <li>④ Balance as a multi-system outcome</li> <li>④ LAB: Video Case Study</li> </ul>
<b>11:45-12:45</b>	Lunch (on your own)
<b>12:45-1:45</b>	<p><b>SENSORY PROCESSING</b></p> <p>Strategies to increase gross motor skill:</p> <ul style="list-style-type: none"> <li>④ Postural control</li> <li>④ Strength</li> <li>④ Coordination</li> <li>④ Motor planning</li> <li>④ Stability Mobility</li> </ul>
<b>1:45-2:00</b>	Break
<b>2:00-3:30</b>	<b>LAB:</b> Case application of learning & interactive group

### Pediatric Toe Walking Online Series

**Liesa Persaud**

Register for the complete online series for \$229, or for individual sessions:

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- ④ The Role of Vision and Reflexes - \$99
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## Credits

The course meets the criteria for 14 contact hours (1.4 CEUs). This course satisfies CE Requirements for **WA** Physical Therapists and meets accepted standards for continuing competence activities for in **NH**. ERI is an approved agency by the Physical Therapy Board of **CA**. The **IN, KS, MO** and **OR** Board of Physical Therapy recognizes other state board's approvals.

**TX** Physical Therapy Association accredited provider.

Application has been made to **Illinois** EI Training Program

Approved sponsor by the State of **IL** Dept. of Financial and Professional Regulation for Physical Therapy for 16.5 hours.



Approved provider of continuing education by the American Occupational Therapy Association #3043, for 14 contact hours - Intermediate Level Occupational Therapy Process: assessment, intervention. The assignment of AOTA CEUs does not imply endorsement of specific course content, products or clinical procedures by AOTA.

Approved by the **TX** Board of OT Examiners.

NBCOT professional development provider - 14 PDUs

Please contact us with any special needs requests:  
[info@educationresourcesinc.com](mailto:info@educationresourcesinc.com) or 508-359-6533

## Locations and Dates - 2020

<b>June 27-28</b>	Richland, WA	Kadlec Regional Medical Center
<b>Sept 25-26</b>	Dallas, TX	Children's Specialized Hospital
<b>Oct 9-10</b>	Wichita, KS	Heartspring
<b>Oct 23-24</b>	Culver City, CA	Can Do Kids



\$435 fee. Deadline for registration is 3 weeks prior to course. Registration will be accepted after deadline on a space available basis. Cancellation accepted up until 2 weeks before course, minus an administration fee of \$75. NO REFUNDS WITHIN 2 WEEKS OF COURSE.

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Limited enrollment. We encourage you to register online!

### Treatment of Motor Issues in Children with Sensory Dysfunction/Persaud

☐ June/WA ☐ Sep/TX ☐ Oct/KS ☐ Oct/CA

#### Course Registration Form

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City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

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Needed in the event of an emergency scheduling change

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Please clearly print your email address for course confirmation

Employer: \_\_\_\_\_

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