Application of Sensory Integration Approach in Physical Therapy

Through lecture participants will be able to understand how sensory integrative dysfunction (SID) impacts child’s postural control and participation in the physical therapy session. Research will be shared to demonstrate sensory dysfunction impact across various diagnoses. Participants will learn what are the necessary components of Ayres Sensory Integration (ASI) treatment approach. Participants will become familiar with the evidence from Literature reviews which focused on sensory integration treatment and walk away with a clear guidance on which treatment approach has evidence support and could be incorporated into their practice. Strategies to use in physical therapy session when working specifically with patients with Autism and SID will be shared.

- Welcome and introductions
- 30 minutes: Importance of Assessing Sensory Integration Functions
- 60 minutes: Diagnosing Sensory Integration Dysfunction (SID)
- BREAK
- 30 minutes: Sensory Integration Dysfunction across various diagnoses (SI research)
- 60 minutes: Ayres Sensory Integration (ASI) Treatment vs Sensory Based Treatment
- LUNCH
- 45 minutes: Treatment guidelines for ASI to address Responsivity
- 45 minutes: Treatment guidelines to address Perception and Praxis
- BREAK
- 30 minutes: Strategies for successful treatment session for patients with Autism
- 30 minutes: Q and A

**Action verb objectives**

- Participants will be able to:
  - Define what is sensory integration and what are the necessary components of Ayres Sensory Integration Treatment Approach
  - Understand which assessment tools needed to assess Sensory Integration Dysfunction (SID) and its impact on Postural Control and Participation
  - Identify where participation challenges in children with SID and Autism may stem from
  - Differentiate between Sensory Based and Ayres Sensory Integration treatment approaches
  - Identify activities to incorporate into PT treatment plan to improve participation in patients with SID
  - Understand how to structure a PT session with patients with Autism to increase participation, engagement and decrease maladaptive behaviors
  - Discuss how this approach can be used for patients with various diagnoses
• Reference list to include five within the past five years from peer reviewed journals


elements of the Ayres Sensory Integration Fidelity Measure *American Journal of Occupational Therapy, 68*, 50 –513