

Building Blocks of Research for Efficacy of Occupational and Physical Sensory Integration Intervention

Purpose of Research Program

To contribute to the recognition of sensory integration dysfunction (DSI), also known as sensory processing disorder (SPD), as a unique disorder and to support the efficacy of sensory integration based occupational and physical therapy with the goal of increased funding and reimbursement of sensory integration services.

Five-Year Goal

To conduct a multi-site randomized clinical trial and replication studies in conjunction with other sites across the United States.

NECESSARY SHORT TERM COMPONENTS

I. To identify DSI/SPD as a unique disorder

GOAL

1. Entry into the Diagnostic and Statistical Manual (DSM V) in 2010 as a **medical condition**.

II. To identify appropriate instruments that reflect the meaningful and diverse changes made with sensory integration.

GOAL

1. Identify a specific battery of tests to use in research to **measure pre/post changes with intervention**.

III. Manualizing intervention to assure fidelity of treatment.

GOAL

1. Develop a research measure that assures that **sensory integration intervention** is being provided in adherence with guiding theoretical principles.

PROGRESS TOWARD GOALS (*Completed or submitted studies/articles)

I

1. **Sensory Integrative Dysfunction and Parenting Practices in Child Behavior Problems.* (Ham, Koomar, May-Benson, et al., 2003)
2. *The Relationship Among Sensory Responsivity of Tactile, Auditory, and Vestibular Input to Anxiety and Occupational Performance in Adults.* (Koomar, May-Benson, Mancini, 2003-Present)
3. *Examination of Sensory, Motor, Behavioral and Social Emotional Factors Related to Sensory Integration Dysfunction.* (May-Benson & Koomar, 2002-Present)

II

1. ** Development of a Screening Procedure for Sensory Responsivity.* (Miller, Koomar, May-Benson, et al., 2003)
2. **Coping Skills and Sensory Processing in Children with Sensory Integration Dysfunction.* (May-Benson & Koomar 2002)
3. *Reliability and Validity of Goal Attainment Scaling with Children with Sensory Processing Disorder.* (May-Benson, Koomar, 2004)
4. *Goal Attainment Scaling as a Measure of Meaningful Outcomes For Children with Sensory Integrative Dysfunction.* (Mailloux, May-Benson, Summers, Miller, et al, to be submitted 2005)

III

1. *Fidelity Measure Development.* (Parham, Cohn, Koomar, Miller, et al, to be submitted 2005)