Special Issue: Sensory Integration Measurement

506 Interrater Reliability and Discriminative Validity of the Structural Elements of the Ayres Sensory Integration Theory Fidelity Measure
Teresa A. May-Benson, Susanne Smith Roley, Zoe Mailloux, L. Diane Parham, Jane Koornar, Roseann C. Schaaf, Annamarie Van Jaarsveld, Ellen Cohn

Analysis of self-report ratings by 259 occupational therapists from 185 facilities indicates that the Structural Section of the ASIFM has acceptable interrater reliability and significantly differentiates between settings in which therapists reportedly do and do not practice OT–SI.

514 Modification of the Postrotary Nystagmus Test for Evaluating Young Children
Zoe Mailloux, Marco Leaño, Tracy Ann Becerra, Annie Baltazar Mori, Elisabeth Soechting, Susanne Smith Roley, Nicole Buss, Sharon A. Cermak

Findings from two studies indicate that the PRN test can be used in infants and toddlers with valid comparison to current norms for 4-yr-olds on the SIPT.

522 Measurement in Sensory Modulation: The Sensory Processing Scale Assessment
Sarah A. Schoen, Lucy J. Miller, Jillian C. Sullivan

Research on the SPS Assessment indicates that it is a reliable and valid measure of sensory modulation that has the potential to aid in differential diagnosis of sensory modulation issues.

531 Development of an Adult Sensory Processing Scale (ASPS)
Erna Imperatore Blanche, Diane Parham, Megan Chang, Trudy Mallinson

Item development and instrument construction of the ASPS yielded a final total of 39 items and acceptable internal consistency, strong content validity, and adequate construct validity.

539 Interrater Reliability and Developmental Norms in Preschoolers for the Motor Planning Maze Assessment (MPMA)
Carole K. Ivey, Shelly J. Lane, Teresa A. May-Benson

Research with a sample of 80 typically developing preschoolers demonstrates that the MPMA can serve as a reliable, objective screening of a preschooler’s ability to plan and execute motor movements.

546 Validity of Sensory Systems as Distinct Constructs
Chia-Ting Su, L. Diane Parham

Confirmatory factor analysis testing whether sensory questionnaire items represented distinct sensory system constructs found, using data from two age groups, that such constructs can be measured validly using questionnaire data.

555 Test of Ideational Praxis (TIP): Preliminary Findings and Interrater and Test–Retest Reliability With Preschoolers
Shelly J. Lane, Carole K. Ivey, Teresa A. May-Benson

An investigation of the reliability of the TIP found strong interrater reliability for the tool, supporting earlier findings; the TIP may be useful for screening motor ideational abilities in young children.
Sensory Integration Functions of Children With Cochlear Implants
Anjali Carrasco Koester, Zoe Mailloux, Gina Geppert Coleman, Annie Baltazar Mori, Steven M. Paul, Erna Blanche, Jill A. Muhs, Deborah Lim, Sharon A. Cermak

Analysis of records of 49 infants and young children with CIs revealed significant differences between children with CIs and the normative population on the majority of the SIPT items associated with the vestibular and proprioceptive bilateral integration and sequencing pattern.

Activities and Adaptation in Late-Life Depression: A Qualitative Study
Mary Lou Leibold, Margo B. Holm, Keiki D. Raina, Charles F. Reynolds III, Joan C. Rogers

Interviews with 27 community-dwelling older adults with depression shed light on activity choices of this population and underscore the need for occupational therapy practitioners to complete a client-centered, qualitative assessment to understand why activities are continued or stopped.

Development of Self-Awareness After Severe Traumatic Brain Injury Through Participation in Occupation-Based Rehabilitation: Mixed-Methods Analysis of a Case Series
Emmah Doig, Pim Kuipers, Sarah Prescott, Petrea Cornelw, Jennifer Fleming

A mixed-method study of 8 participants recently discharged from inpatient rehabilitation found that engagement in occupation-based, goal-directed rehabilitation appeared to foster awareness of injury-related changes.

Effects of a Safe Patient Handling and Mobility Program on Patient Self-Care Outcomes
Amy R. Darragh, Mariya Shiyko, Heather Margulis, Marc Campo

A retrospective cohort study found that patients who received inpatient rehabilitation services with an SPHM program were as likely to achieve at least modified independence in self-care as those who received inpatient rehabilitation services without an SPHM program.

Occupational Therapy Use by Older Adults With Cancer
Mackenzi Pergolotti, Malcolm P. Cutchin, Morris Weinberger, Anne-Marie Meyer

A retrospective cohort study of 27,131 older adults diagnosed with cancer between 2004 and 2007 found that survivors who used occupational therapy after diagnosis also had the highest levels of comorbidities.

The authors describe the current state of measurement in the area of sensory integration within the field of occupational therapy and recommend a strategy for obtaining outcome data from direct report from the child or other stakeholder.

Analysis of 35 AJOT articles focusing on development and testing of 37 assessment tools for children and youth and published between January 2009 and September 2013, along with a critique of the measures described, is provided.

Research Opportunities in the Area of Mental Health Promotion, Prevention, and Intervention for Children and Youth

The AOTA Evidence-Based Practice Project has developed a table summarizing the state of current available evidence on interventions within the scope of occupational therapy practice in the area of mental health promotion, prevention, and intervention for children and youth.