



# The American Journal of Occupational Therapy

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- 495 **FROM THE DESK OF THE GUEST EDITORS**  
**Evolution of a Theory: How Measurement Has Shaped Ayres Sensory Integration®**

Zoe Mailloux, Heather Miller-Kuhaneck

*This special issue of AJOT demonstrates the wide-reaching application of sensory integration concepts and provides multiple examples of the improvements in methodological rigor that occupational therapy researchers have brought to the study of Ayres Sensory Integration® theory.*

## Health Policy Perspectives

- 500 **Interprofessional Collaborative Practice in Care Coordination**

Penelope A. Moyers, Christina A. Metzler

*Occupational therapy practitioners must assess how the profession fits within new models of care and be involved in studying the models' impact on key health care outcomes related to the "Triple Aim" of lowering costs, improving patient experience, and managing the health of populations.*

## Special Issue: Sensory Integration Measurement

- 506 **Interrater Reliability and Discriminative Validity of the Structural Elements of the Ayres Sensory Integration® Fidelity Measure®**

Teresa A. May-Benson, Susanne Smith Roley, Zoe Mailloux, L. Diane Parham, Jane Koomar, 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 Leão, 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.*

- 562 **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.*
- Productive Aging* 570 **Activities and Adaptation in Late-Life Depression: A Qualitative Study**  
Mary Lou Leibold, Margo B. Holm, Ketki 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.*
- Rehabilitation, Disability, and Participation* 578 **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 Cornwell, 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.*
- 589 **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.*
- 597 **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.*
- Departments* 608 **THE ISSUE IS . . .**  
**State of Measurement in Occupational Therapy Using Sensory Integration [ONLINE ONLY]**  
Roseann C. Schaaf, Janice Posateri Burke, Ellen Cohn, Teresa A. May-Benson, Sarah A. Schoen, Susanne Smith Roley, Shelly J. Lane, L. Diane Parham, Zoe Mailloux  
*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.*
- 609 **CENTENNIAL VISION**  
**Children and Youth Instrument Development and Testing Articles Published in the *American Journal of Occupational Therapy*, 2009–2013: A Content, Methodology, and Instrument Design Review [ONLINE ONLY]**  
Ted Brown, Helen Bourke-Taylor  
*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* 610 **RESEARCH OPPORTUNITIES**  
**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.*