



Research Resources

A monthly newsletter of the

AOTF Institute for the Study of Occupation and Health

February 2012

Dear Colleagues,

Greetings! We trust the new year has been favorable so far and that your resolutions and other projects have moved ahead without constraint.

And, speaking of constraints, our featured articles accompanying this issue pertain to occupational therapy in stroke rehabilitation, including the use of constraint induced movement therapy. Just as managed care has changed the duration and location of therapy for many conditions, emphasis on evidence-based practice has also changed the way rehabilitation following CVA is now pursued. Some interventions that were commonplace two decades ago are now quaint artifacts of history.

We love history, and we take seriously our charge to preserve its documentation through the AOTA Archives. This month we are launching a regular new feature about people, places and events in occupational therapy's past.

Of course, we look forward to continuing to highlight occupational therapy research that leads to improved practice, but we are delighted to share its rich history. We hope you enjoy it.

As always, thanks for your support!

Charles Christiansen
Executive Director

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Wilma L. West Library Resource Notes

Occupational Therapy in Stroke Rehabilitation, with Emphasis on Constraint-induced Modified Therapy (CIMT).

Occupational therapy practitioners have been part of the rehabilitation team for persons who've suffered a stroke for decades. This is the earliest article retrieved from OT SEARCH on the topic:

Olsen, JZ & May, BJ. (1966). Family education: necessary adjunct to total stroke rehabilitation. The American Journal of Occupational

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OT: History in Focus

**AOTF Events at
the AOTA Annual
Conference,
Indianapolis, April
26-29 2012**

AOTF is pleased to announce its events at the AOTA Conference in Indianapolis. Information on registration can be found on the AOTA web site.

Breakfast with the Scholar
- Friday, April 27, 7:30-9:30 a.m. Notable disability rights leader Lex Frieden will reflect on the implementation and aftermath of the Americans with Disability Act.

Research Colloquium -
Friday April 27, 2:00-5:00 p.m. This year's Colloquium will focus on the current state of evidence for cognitive assessments and interventions, what needs to be done from a research perspective, and how to implement what is known in clinical practice.

AOTF Gala - Dancing with the Stars "Indy" Style -
Friday, April 27, 8:00-11:00 p.m., Westin Indianapolis. Cheer on your favorite dancer

Therapy, 20, 88-90.

Before looking at references specifically concerning CIMT and stroke rehabilitation, here are two recent articles on other approaches to stroke rehabilitation and one study that aimed . . . "to investigate and evaluate the quality and applicability of scientific research in occupational therapy intervention related to the use of everyday life occupations and client-centred practice within stroke rehabilitation," (Kristensen, et al, 2011, p. 11).

Hermann, VH, Herzog, M, Jordan, JR, Hofherr, M, Levine, P & Page, SJ. (2010). [Telerehabilitation and Electrical Stimulation: An Occupation- Based, Client-Centered Stroke Intervention](#). *The American Journal of Occupational Therapy*, 64, 73-81.

Polatajko, HJ, McEwen, SE, Ryan, JD & Baum, CM. (2012). [Pilot Randomized Controlled Trial Investigating Cognitive Strategy Use to Improve Goal Performance After Stroke](#). *The American Journal of Occupational Therapy*, 66, 104-109.

Kristensen, HK, Persson, D, Nygren, C, Boll, M & Matzen, P. (2011). [Evaluation of evidence within occupational therapy in stroke rehabilitation](#). *Scandinavian Journal of Occupational Therapy*, 18, 11-25.

These six articles discussing CIMT in stroke rehabilitation were published in 2009 or later and in publications dedicated to occupational therapy profession, practice, and research.

Earley, D, Herlache, E & Skelton, DR. (2010). [Case report-- Use of occupations and activities in a modified constraint-induced movement therapy program: a musician's triumphs over chronic hemiparesis from stroke](#). *The American Journal of Occupational Therapy*, 64, 735-744.

McCall, M, McEwen, S, Colantonio, A, Streiner, D & Dawson, DR. (2011). [Modified constraint-induced movement therapy for elderly clients with subacute stroke](#). *The American Journal of Occupational Therapy*, 65, 409-418.

Page, SJ, Murray, C & Hermann, V. (2011). [Affected upper-extremity movement ability is retained 3 months after modified constrained-induced therapy](#). *The American Journal of Occupational Therapy*, 65, 589-593.

Rowe, VT, Blanton, S & Wolf, SL. (2009) [Long-term follow-up after constraint-induced therapy: a case report of a chronic stroke survivor](#). *The American Journal of Occupational Therapy*, 63, 317-322.

competing for bragging rights at the 3rd Dancing with the Stars gala. See dancer profiles and "vote" for your favorite on the [AOTF web site](#).

Scholarship of Teaching and Learning - Sunday, April 29, 8:00-11:00 a.m. Drs. Andrea Bilics, John White, and Anne James will facilitate the focus on ways to foster collaborative research that provides evidence for best practices in education.

Support AOTF

The American Occupational Therapy Foundation is a nonprofit organization dedicated to supporting our profession today and for the future. Gifts to AOTF help us continue to make a real difference for so many people in our profession through:

- * Scholarships
- * Research support and publications including *Research Resources* and *OTJR*
- * Development and recognition of leadership * Education and maintaining the largest collection of occupational therapy resources in the country. Learn more at www.aotf.org or [Donate Now](#).

OTJR: Occupation, Participation and Health

Walker, J & Pink, MJ. (2009). [Occupational therapists and the use of constraint-induced movement therapy in neurological practice](#). *Australian Occupational Therapy Journal*, 56, 436-437.

Yoo, EY, Jung, MY, Park, HS, Kim, JR & Jeon, HS. (2009). [Group constraint-induced movement therapy: Motor and functional outcomes in individuals with stroke](#). *Canadian Journal of Occupational Therapy*, 76, 335-341.

Finally, two studies comparing CIMT and other rehabilitation interventions for stroke.

Hayner, K, Gibson, G & Giles, GM. (2010). [Comparison of constraint-induced movement therapy and bilateral treatment of equal intensity in people with chronic upper-extremity dysfunction after cerebrovascular accident](#). *The American Journal of Occupational Therapy*, 528-539.

Shi, YX, Tian, JH, Yang, KH & Zhao Y. (2011). [Modified constraint-induced movement therapy versus traditional rehabilitation in patients with upper-extremity dysfunction after stroke: a systematic review and meta-analysis](#). *Archives of Physical Medicine and Rehabilitation*, 92, 972-982.

The Wilma L. West Library Digitization Initiative



Eleanor Clarke Slagle -- an early pioneer of occupational therapy

Thanks to so many generous friends, AOTF and the Wilma L. West Library are very pleased to report that we've exceeded our goal to digitize the historic *Archives of Occupational Therapy* (1922-1924)!

Because of YOU, the first writings of occupational therapy scientists and practitioners will be available to the public for FREE!

Thank you for supporting this important initiative and watch for upcoming announcements about how you can access these historic journals and future digitization efforts.

Conference Announcements

[Pacific Rim International Conference on Disability and Diversity \(March 26 - 27, 2012, Honolulu\)](#)

Formerly called the Pacific Rim International Conference on Disabilities, for 27 years, this conference has

[The 8th World Congress on Active Ageing \(August 13 - 17 August](#)

Online Advanced Release

OTJR: Occupation, Participation and Health, published quarterly by the American Occupational Therapy Foundation, Inc., offers original research articles of professional interest to the practicing occupational therapist with a focus on occupation and fostering interdisciplinary research.

Visit: [OTJR Online](#).

Articles appearing in this "Online Advanced Release" section have been peer-reviewed and accepted for publication in the *OTJR: Occupation, Participation and Health* and posted online before print publication.

[The Flow Experiences of People With Chronic Pain](#)

Katie Robinson; Norelee Kennedy; Dominic Harmon

[Neighborhood Influences on Participation Among Older Adults With Chronic Health Conditions: A Scoping Review](#)

Carri Hand; Mary Law; Mary Ann McColl; Steven Hanna; Susan J. Elliott

[The Mirror Neuron System: Innovations and Implications for Occupational Therapy](#)

Sook-Lei Liew; Kathleen A. Garrison; Julie Werner; Lisa Aziz-Zadeh

[Contribution of Tactile and Kinesthetic Perceptions to Handwriting in Taiwanese](#)

[2012, Glasgow, Scotland](#)

Held every 4 years, this event will bring together scientists and practitioners, experts and enthusiasts from a range of professional interests and disciplines involved in the promotion of Active Ageing.

[Mild Traumatic Brain Injury: Challenges and Controversies in Diagnosis \(February 10, 2012, Toronto\)](#)

Participate in interactive discussions, workshops, and plenary sessions in this one-day evidence-based forum that will familiarize you with a wide range of controversies and challenges associated with the diagnosis of mild traumatic brain injury, including emotional, cognitive and behavioural problems after mTBI and neuroimaging. Workshops will focus on conditions such as vestibular dizziness, sleep disorders, neuropsychological testing and adjudication of a mild traumatic brain injury claim.

[5th National Spinal Cord Injury Conference: Translating Neural Engineering and Novel Therapies \(October 18-20, 2012, Toronto\)](#)

Deadline for workshop and poster abstract submissions: **February 20, 2012**.

[Johns Hopkins University School of Nursing Summer Research Institute on Developing Behavioral Intervention Research, Center for Innovative Care in Aging \(June 14-16, 2012, Baltimore\)](#)

This Summer Research Institute is designed to help investigators: (1) develop testable interventions that have potential to be implemented in practice environments if proven effective, and (2) advance appropriate trial designs. For more information or to request notification of availability of the application, please contact: [Laura N. Gitlin](#), Director, Center for Innovative Care in Aging, Johns Hopkins University School of Nursing.

[14th International Symposium: Sensational Progress: Research Advances in Sensory Processing Disorder \(March 17-18, 2012, Boston\)](#)

This symposium, presented by the Sensory Processing Disorder Foundation, features prominent researchers from prestigious universities and organizations leading the field in the neuroscience and clinical study of Sensory Processing Disorder.

Online Resources

[Self-Directed Psychiatric Rehabilitation Activities Professional Development Program \(PDP\)](#)

Center for Psychiatric Rehabilitation offers an Online Self-Paced Study. Register for an online course at any time and complete the course at any time. Examples of classes are: Ethics in Psychiatric Rehabilitation, Research Issues for Mental Health Consumers/Survivors, How to Give a Workshop, and How to Write a Journal Article.

[Barriers to Integrating Crisis Standards of Care Principles into International Disaster Response Plan - Workshop Summary](#)

[Children in First and Second Grade](#) Tzu-Ying Yu; Jim Hinojosa; Tsu-Hsin Howe; Gerald T. Voelbel

Funding Opportunities

CDC State-Based Disability and Health Program Announcement to Eligible Applicants
The Division of Human Development and Disability (DHDD) of the Centers for Disease Control and Prevention (CDC) will release a funding opportunity announcement (FOA) to support state-based health-related disability programs in FY 2012. Interested applicants should routinely check the [website](#) for the funding opportunity.

[Help Me Grow National Replication Project Request for Proposals](#)

The Help Me Grow National Center (HMG National), is seeking three replication sites for "Ready to Learn: National Replication of Connecticut's Help Me Grow System." With financial support from the W.K. Kellogg Foundation, HMG National offers technical assistance from a team of professionals who are experienced in building a statewide Help Me Grow system, and a one-year grant of \$20,000 with a dollar-for-dollar or in-kind match.

The report summarizes the Institute of Medicines's OM Forum on Medical and Public Health Preparedness held at the 17th World Congress on Disaster and Emergency Medicine. This session focused on the promise of and challenges to integrating crisis standards of care principles into international disaster response plans.

[Cognitive Rehabilitation Therapy for Traumatic Brain Injury: Evaluating the Evidence](#)

This study, requested by the Department of Defense and conducted by the Institute of Medicine, looks at the effectiveness of cognitive rehabilitation therapy for traumatic brain injury.

Occupational Therapy: History in Focus

AOTF is pleased to begin a new historical feature, in which we recollect, through photos and reports, the events and people that have shaped and defined the profession during its distinguished history.

[Susan E. Tracy: The Nurse Who Remained a Nurse](#)

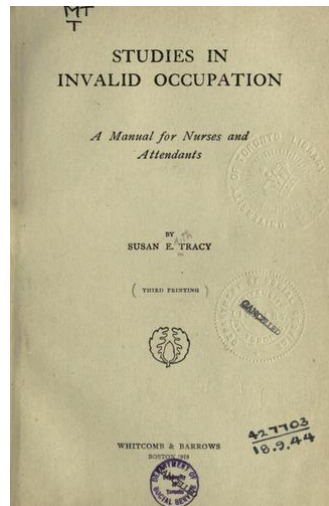
One of the most significant figures in the history of occupational therapy was Susan E. Tracy, a nurse who practiced and taught at the Adams Nervine Asylum outside Boston, a small mental hospital catering to patients with neurasthenia, a stress-related disorder of the era. Tracy was hired to supervise the nursing school and to help develop an active therapy regimen to replace the "rest cure". Based on her work, in 1910, she published *Studies in Invalid Occupations*, known as the first textbook



Adams Nervine Asylum

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Cover page of Susan Tracy's influential book.

in occupational therapy. Although not in attendance at the founding meeting for occupational therapy, she was declared an honorary founder and was named to head a committee on teaching methods. She was one of the founders of the Society for the Promotion of Occupational Therapy in 1917 which became the American Occupational Therapy Association in 1922. Susan Tracy continued to author papers on occupational therapy, but opted not to give up her professional identity as a nurse to embrace the new profession.

AOTF's Wilma L. West Library has a copy of *Studies in Invalid Occupations* and the book can be accessed [online](#).

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