

The American Occupational Therapy Association, Inc.
4720 Montgomery Lane • Bethesda, MD 20814
301-652-AOTA (2682)
<https://www.aota.org>

AJOT Mission: The primary mission of *AJOT* is to publish research examining the effectiveness and efficiency of occupational therapy practice so that occupational therapy professionals can make informed, evidence-based decisions about best practice. In addition, the journal aims to publish (1) research documenting the reliability and validity of occupational therapy instruments; (2) studies demonstrating a relationship between occupational engagement and the facilitation of community participation and health; and (3) articles that provide a forum for scholars to debate professional issues that affect education, practice, and research.

AOTA Mission: The American Occupational Therapy Association advances the quality, availability, use, and support of occupational therapy through standard-setting, advocacy, education, and research on behalf of its members and the public.

AOTA Vision 2025: Occupational therapy maximizes health, well-being and quality of life for all people, populations and communities through effective solutions that facilitate participation in everyday living.

BOARD OF DIRECTORS

Voting Members

Wendy C. Hildenbrand, <i>President</i>	Lisa Mahaffey, <i>Director</i>
Debra Young, <i>Vice President</i>	David M. Merlo, <i>Director</i>
Melissa J. Tilton, <i>Secretary</i>	Sheri Montgomery, <i>Director</i>
Karen M. Sames, <i>Treasurer</i>	Alyson D. Stover, <i>Director</i>
Paul Arthur, <i>Director</i>	Debbie Hines, <i>Speaker,</i>
Donna Costa, <i>Director</i>	<i>Representative Assembly</i>

Nonvoting Members

Mary C. Lawlor
Elizabeth "Betsy" Francis-Connolly

Nonvoting Members With Voice

Sherry Keramidas, *Executive Director*
Daryl Risinger, *Public Advisor*

ASSOCIATION HEADQUARTERS

Senior Management Team

Christopher Bluhm, *Chief Operating Officer*
Neil Harvison, *Chief Professional Affairs Officer*
Christina Metzler, *Chief Public Affairs Officer*
Chuck Partridge, *Chief Financial Officer*

AJOT[®] is an official publication of The American Occupational Therapy Association, Inc. (AOTA[®]). It is available at <https://otjournal.net>. AOTA members receive *AJOT* as a membership benefit. *AJOT* is also available online without a subscription to members of the Canadian Association of Occupational Therapists and the British Association of Occupational Therapists; AOTA members likewise have online access to the *Canadian Journal of Occupational Therapy* and the *British Journal of Occupational Therapy*.

Manuscripts are submitted to the Editor-in-Chief at <http://ajot.submit2aota.org> and must meet the requirements described in the *Guidelines for Contributors*, which is published periodically in the journal and is available at <https://otjournal.net>. Because one objective of the journal is to be a forum for the free expression and interchange of ideas, the opinions and positions expressed by contributors are their own and not necessarily those of the journal's Editor-in-Chief, Editorial Board, or AOTA.

Copyright of the journal is held by the American Occupational Therapy Association, Inc. Permission in writing must be obtained from the Copyright Clearance Center to reproduce, photocopy, or post material appearing in the journal. Direct all requests and inquiries regarding reprinting, photocopying, or posting journal material to <http://www.copyright.com>, or request permission for specific articles by clicking on Tools/Get Permissions on the online version.

Reprints of published articles are made available only to journal authors. Readers' requests for reprints should be directed to the corresponding author.

Back issues of most issues of the print journal published during the past 3 years can be purchased for \$55 per copy (\$59 for addressees outside the United States), prepaid only, from the AOTA Membership Department. Orders for back issues should be directed to 800-SAY-AOTA (800-729-2682) or 301-652-2682, ext. 2769, or e-mail subscriptions@aota.org.

Advertising is accepted on the basis of conformity with AOTA standards. AOTA is not responsible for statements made by advertisers, nor does acceptance of advertising imply endorsement, official attitude, or position of the journal's Editor-in-Chief, Editorial Board, or AOTA. E-mail sales@aota.org for more information. The most recent *Journal Citation Reports* 5-year impact factor for *AJOT* is 3.325.

Annual membership dues are \$225 for occupational therapists, \$131 for occupational therapy assistants, and \$75 for student members, of which \$14 is allocated to the subscription of this publication.

Subscriptions are available at the following rates (effective January 1, 2020):

Subscription Type US, Canada, and International	Price
Individual Subscription	\$349
Academic and Other Institutions: 1 to 250 end users	\$449
Academic and Other Institutions: 251 to 500 end users	\$499
Academic and Other Institutions: 500 to 999 end users	\$549
Academic and Other Institutions: 1,000+ end users	\$599

Nonsubscribers may purchase and download individual articles and issues through the *AJOT* website, <https://otjournal.net>.

Direct media inquiries to Katie Riley, Manager of Media and Public Relations, at k Riley@aota.org.

Copyright © 2019 by the American Occupational Therapy Association, Inc.

AJOT[®] (ISSN 0272-9490) (ESSN 1943-7676) is published bimonthly by The American Occupational Therapy Association, Inc., 4720 Montgomery Lane, Bethesda, MD 20814. E-mail: subscriptions@aota.org

AJOT[®] is a registered trademark of the American Occupational Therapy Association, Inc. Periodical postage is paid at Bethesda, MD, and at additional mailing offices. Postmaster: Send address changes to *AJOT*, 4720 Montgomery Lane, Bethesda, MD 20814. Canadian Publications Mail Agreement No. 41071009. Return undeliverable Canadian addresses to PO Box 503, RPO West Beaver Creek, Richmond Hill, ON L4B 4R6 Canada.

AJOT Editorial Board

Editor-in-Chief

Lorie Gage Richards
ajoteditor@aota.org

Associate Editors

Ted Brown
Teal Benevides
Andy Cheng
Aaron Eakman
Yael Goverover
Claudia Hilton
Elizabeth Hunter
Tracy L. Jirkowicz
Stephen J. Page
Alicia Sanchez Perez
Emily Piven
Véronique Provencher
Stacey Reynolds
Marjorie Scaffa

Editor, Health Policy Perspectives

Christina Metzler

Editor, Occupational Therapy Education

Neil Harvison

Associate Chief Officer for AOTA Press and Content Strategy

Chris Davis

Managing Editor

Caroline Polk

Copy Editors

Kathie Baker, Tyler Krupa, Hyde Loomis, Kathy Savadel, Kathy Savory

Graphic Designers

Sheridan Journal Services

Manager, Media and Public Relations

Katie Riley

Director, Sales & Corporate Relations

Jeffrey A. Casper

Account Executive

Tracy Hammond

Call for Authors

Health Policy Perspectives

Do you have a perspective on occupational therapy practice in the changing health care system? What federal, state, or local policy questions are critical to occupational therapy? Do you have thoughts about the larger world of health care reform that relate to public policy?

The *AJOT* Health Policy Perspectives column provides an opportunity for expression of thoughtful opinions. The column is a forum for views; calls to action for the profession on practice, education, outreach, and research; and perspectives on the intersection of occupational therapy and health care policy. Original research is not required, although preference is given to articles that draw on research.

Interested authors should contact Christina Metzler, AOTA Chief Public Affairs Officer, at cmetzler@aota.org with a short paragraph describing the proposed article.

PR-340

Downloaded from <http://research.aota.org/ajot/article-pdf/73/4/7304990010p1.pdf> by guest on 28 November 2023

Reviewers

- | | | | | | | |
|-------------------|------------------------------|--------------------------|-------------------------|-----------------------|------------------------|--------------------|
| Rebecca Aldrich | Yi-An Chen | Anne Fleischer | Moses Ikiugu | Deborah A. Marr | Pat Precin | Roberta Snover |
| Kelly Alig | Tracey Chippendale | Rita P. Fleming-Castaldy | Carole Ivey | Dennis McCarthy | Jenny Preston | Divya Sood |
| Ana Allegritti | Denise Chisholm | Erin R. Foster | Karen Jacobs | Karen McCarthy | Polle Price | Mandy Stanley |
| Lynne Andonian | Carrie A. Ciro | Susan Garber | Rennie Jacobs | Annie McCluskey | Rachel Proffitt | Susan Stark |
| Amber Armstead | Allison Cogan | Bryan Gee | Lynn E. Jaffe | Randy McCombie | Pavlina Psychouli | Wendy Slav |
| Asha Asher | Ellen S. Cohn | Simone V. Gill | Kathryn Jarvis | Ann E. McDonald | Beth Pyatak | Maria Stein |
| Nancy Bagatell | Diane Collins | Glen Gillen | Brian Johnson | Corey McGee | Cindee Quake-Rapp | Mary Ellen Stoykov |
| Ryan Bailey | Lisa Connor | Andrea Gossett-Zakrajsek | Bong-Kan Jung | Carol McKinstry | Mary Radomski | Melinda Suto |
| Nancy A. Baker | Steven M. Cope | Manon Guay | Leslyn Keith | Tina McNulty | Gustavo Reinoso | Kim Szucs |
| Sue Baptiste | Al Copolillo | Cynthia Grapczynsk | Young Kim | Jim J. McPherson | Elizabeth Rhodus | Kari Jeanne Tanta |
| Beth Barstow | Joanna Cosbey | Christine Griffin | Allison King | M. Beth Merryman | Martin Rice | Lauren Terhorst |
| Susan Bazyk | Diane Cox | Manon Guay | Anne Kiraly-Alvarez | Susan K. Meyers | Jacquie Ripat | Alexandra Terrill |
| Jane Bear-Lehman | Anne Cronin | Paulette Guitard | Anne Kirby | Ben Milbourn | Ray Roche | Ailki Thomas |
| Jeanine Beasley | Daniel Marinho Cezar da Cruz | Jyothi Gupta | Twylla Kirchen | Anita Witt Mitchell | Ben Rodakowski | Barbara Thompson |
| Patricia Belchior | Mariana D'Amico | Sharon A. Gutman | Laurie Knis-Matthews | Penny Rogers | Christine Moghimi | Robyn Thompson |
| Roxanna Bendixen | Amy Darragh | Sharon Gwinn | Kristie Koenig | Ben Mortenson | Shawn Roll | Janet Ródriguez |
| Ruth Benedict | Lisa Daunhauer | Razan Hamed | Barbara Kornblau | Tracy Mroz | François Routhier | Torres |
| Sara Benham | Evan Dean | Brittany Hand | Jessica Kramer | Claire Muly | Veronica T. Rowe | Pamela E. Toto |
| Jeryl Benson | Joan Delahun | Debra Hanson | Consuelo Krieder | Christine Myers | Laurence Roy | Jessica TsoTosors |
| Christine Berg | Peggy Denton | Mark Hardison | Carol Lambdin-Pattavina | Julie Nastasi | Michelle Saks | Carolyn Unsworth |
| Sara Best | Rosanne DiZazzo-Miller | Jocelyn Harris | Shelly J. Lane | Kathryn Nedley | Ghazala Saleem | Catherine Vallée |
| Megan Bewernitz | Megan Doherty | Karen Hebert | Catherine Trombly | Christy Nelson | Patricia Sample | Brenda H. Vrkljan |
| Christy Billock | Denise Donica | Lori-Ann Helgeson | Latham | Marsha Neville-Smith | Preethy S. Samuel | Amy Wagenfeld |
| Erna Blanche | Barbara Doucet | Gayle Hersch | Maura Lavelle | Dawn Nilsen | Mattha J. Sanders | Inga Ying-Chih |
| Stefanie Bodison | Mason Drake | Annette Herstic | Kate Laver | U. Ganapathy Sankar | Wang | Wang |
| Bette Bonder | Brian Dudgeon | Laura Hess | Jeff Lederer | Jeannine Nonailada | Maria Watson | Julie Watson |
| Aaron Bonsall | Louise Dunn | Kristen Hill | Natalie Leland | Araceli Ortiz-Rubio | Maria Granados | Donna Weiss |
| Patricia Bowyer | Winnie Dunn | Claudia Hilton | James Lenker | Sonthrip Unpraseuth | Santiago | Pamela Wener |
| Kalyn Briggs | Aaron M. Eakman | Tammy Hoffmann | Lori Letts | Becky Ozelie | Sydney Schaefer | Steven Wheeler |
| Catana Brown | Dorothy Edwards | DeLana Honaker | Ada Leung | Amy Paul-Ward | Stacey Schepens | Carolynne White |
| Deborah E. Budash | Mary Egan | Ickpyo Hong | Chih-Ying Li | Monica S. Perlmutter | Monica S. Schmelzer | Rondalyn V. |
| Ann Burkhardt | Kate Eglseder | Barbara Hooper | Mei-Ling Li | Anita Perr | Arlene A. Schmid | Whitney |
| Susan Burwash | Beth Elenko | Tsu-Hsin Howe | Lori Liotta-Kleinfeld | Andrew Persch | Jill Schmidt | Kim Schoessow |
| Susan Cahill | Lynnda Emery | Ching-Lin Hsieh | Lauren Little | Elizabeth A. Pfeiffer | Winifred Schultz-Krohn | Emily Schulz |
| Catherine Candler | Kelly Erickson | Brenda Hughes | Chiung-Ju Liu | Roberta Pineda | Ruth Segal | Ruth Segal |
| Elizabeth Cardell | Andrea Fairman | Jane Hughes | Laura López López | Jennifer Pitonyak | Amit Sethi | Jennifer Silvestri |
| Gail Carin-Levy | Mary Falzarano | Tamera Keiter Humbert | Kathleen Lyons | Michael Pizzi | Nicola Plastow | Theresa Smith |
| Ling-Hui Chang | Louise Farnsworth | Chia-Hui Hung | Susan Magasi | Teresa Plummer | Mara Podvey | Julia Smyth |
| Megan C. Chang | Ramón Romero Fernández | Julie Hunley | Matt Malcolm | Mara Podvey | Tina A. Mankey | Jeff Snodgrass |
| Wen-Pin Chang | Patricia Fingerhut | Elizabeth Hunter | Donna Mann | Katie Polo | | |
| Chris Chapparo | Thomas Fisher | Eric (Jeng-Liang) Hwang | | | | |



The American Journal of Occupational Therapy

July/August 2019
Volume 73, Number 4

7304030010 **Erratum**

Research Articles

7304205010 **Team-Based Learning and the Team-Based Learning Student Assessment Instrument (TBL–SAI): A Longitudinal Study of Master of Occupational Therapy Students' Changing Perceptions**

Ron Carson, Heidi Mennenga

This research contributes to the evidence supporting TBL as an effective and student-preferred teaching method and the TBL–SAI as an effective assessment tool for measuring TBL.

7304205020 **Effectiveness of Occupational Therapy Interventions for Adults With Systemic Lupus Erythematosus: A Systematic Review**

Janet L. Poole, Joshua D. Bradford, Patricia Siegel

A systematic review found moderate evidence to support physical activity, self-management and educational interventions, along with cognitive–behavioral therapy, for people with SLE, but few studies in the review were conducted by occupational therapy practitioners.

7304205030 **Exploration of Occupational Deprivation Among Syrian Refugees Displaced in Jordan**

Wesam B. Darawsheh

Occupational therapy practitioners are needed to evaluate refugees' level of satisfaction with occupations and are integral to offering occupations that facilitate adaptation among refugees.

7304205040 **Energy Conservation Management for People With Multiple Sclerosis–Related Fatigue: Who Benefits?**

Lyan J. M. Blikman, Jetty van Meeteren, Jos W. R. Twisk, Fred A. J. de Laat, Vincent de Groot, Heleen Beckerman, Henk J. Stam, Johannes B. J. Bussmann; TREFAMS–ACE Study Group

People with MS-related fatigue who had a less negative perception of fatigue and who perceived fewer disease benefits and a higher discrepancy in social support were found to have the best response to ECM treatment.

7304205050 **Measuring Hand Dexterity in People With Parkinson's Disease: Reliability of Pegboard Tests**

Elizabeth L. Proud, Belinda Bilney, Kimberly J. Miller, Meg E. Morris, Jennifer L. McGinley

The test–retest reliability of the 9-Hole Peg Test and Purdue Pegboard Test was found to be adequate in people with mild to moderately severe PD in the “on” phase of their levodopa medication cycle and at end of dose.

7304205060 **Feasibility of the Stroll Safe Outdoor Fall Prevention Program**

Tracy Chippendale

Implementation of the Stroll Safe fall prevention program was found to be feasible among community-dwelling well older adults.

7304205070 **Predictors of Participation and Autonomy in People With Multiple Sclerosis**

Maarit E. Karhula, Asko Tolvanen, Päivi I. Hämäläinen, Juhani Ruutiainen, Anna-Liisa Salminen, Pertti Era

Experiences of participation and autonomy appear to be closely associated with perceived quality of life and impact of MS. Findings support the importance of assessing participation and autonomy and planning interventions using this information.

7304205080 **Usefulness of the Daily Life Performance Transfer Sheet in Care Management of People With Stroke**

Kazuaki Iokawa, Keiichi Hasegawa, Takashi Ishikawa

The perceived usefulness of the Daily Life Performance Transfer Sheet among care managers was significantly correlated with all items related to subjective assessment of care management.

- 7304205090 **Capturing Upper Limb Gross Motor Categories Using the Kinect Sensor**
Na Jin Seo, Vincent Crocher, Egli Spaho, Charles R. Ewert, Mojtaba F. Fathi, Pilwon Hur, Sara A. Lum, Elizabeth M. Humanitzki, Abigail L. Kelly, Viswanathan Ramakrishnan, Michelle L. Woodbury
Computerized clinical assessment using the Kinect sensor shows promise to facilitate tele-evaluation and complement tele-health applications.
- 7304205100 **Construct Validity and Test–Retest Reliability of the Coping Inventory (CI) for Children With Developmental Disabilities**
Kassia S. Beetham, Anita C. Bundy, Shirley Wyver, Jo Ragen, Michelle Villeneuve, Paul Tranter, Geraldine Naughton
The CI was found to be a valid and reliable means of measuring the ability to cope with everyday demands for children with autism.
- 7304205110 **Occupational Therapists' Creativity: Tapping Into Client Centeredness Using a Novel Creativity Questionnaire**
Alenka Oven, Bojana Lobe
The Creativity in Occupational Therapy Questionnaire, a novel assessment tool, was found to provide a quantitative measure of the importance of creativity in client-centered practice and could be used in future longitudinal studies.
- 7304205120 **Emotional Contagion and Group Affective Tone in the Student Cohort Model**
Michael Jensen
Cohort members' susceptibility to the emotion of anger may be an active contributor to the formation of a cohort's unique group affective tone.
- 7304205130 **Usability of the Participation and Environment Measure Plus (PEM+) for Client-Centered and Participation-Focused Care Planning**
Jessica M. Jarvis, Andrea Gurga, Alexa Greif, Heather Lim, Dana Anaby, Rachel Teplicky, Mary A. Khetani
Preliminary evidence shows that the PEM+, a new electronic health application, is a promising tool that can help to customize the way practitioners partner with families to create a plan for occupational therapy services.

Columns

- 7304345010 **BRIEF REPORT**
Multifaceted Approach to Enhance Pill-Swallowing Ability in Children and Adults With Barth Syndrome
Stacey Reynolds, M. Emily Tucker
A brief, multifaceted occupational therapy intervention may be effective in teaching pill swallowing to clients with Barth Syndrome who have mild sensory and motor deficits.
- 7304345020 **BRIEF REPORT**
Combining Virtual Reality Motor Rehabilitation With Cognitive Strategy Use in Chronic Stroke
Anna E. Boone, Timothy J. Wolf, Jack R. Engsberg
Preliminary results with the MetaCogVR indicate that it is highly acceptable to adults with chronic stroke.
- 7304345030 **BRIEF REPORT**
Intertrial Rest for Maximum Grip and Key Pinch Strength in Japanese Young Adults
Masaki Kurosaki, Kimito Momose
Research examining the intertrial rest period for maximum grip and key pinch strength measurements found that 90 s of rest between trials for grip strength and 60 s of rest between trials for key pinch strength may be acceptable.
- 7304345040 **BRIEF REPORT**
Feasibility of Electromyography-Triggered Hand Robotics for People After Chronic Stroke
Grace J. Kim, Michael Taub, Carly Creelman, Christine Cahalan, Michael W. O'Dell, Joel Stein
A robotic hand training protocol for people with moderate to severe arm impairment was found to be feasible and safe in an outpatient setting.