

COURAGE KENNY RESEARCH CENTER

Summer 2024

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AUGUST 2024

Welcome to the Summer 2024 edition of the Courage Kenny Research Center newsletter! We aim to share news on some of the CKRC studies and our ongoing collaborations with Courage Kenny Rehabilitation Institute clinicians, leaders, and staff. Read on for our appreciation of Mary Radomski's service to Courage Kenny, past and upcoming presentations, current publication and Courage Kenny Research at the Minnesota State Fair.

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Research

Mary Radomski, PhD, OTR/L Retirement

After over 40 years of dedicated work with Courage Kenny Rehabilitation Institute, Dr. Mary Radomski has retired from full-time efforts at Courage Kenny Research Center. During her tenure, she has been an occupational therapist, rehabilitation researcher, leader, and mentor.

In addition to her excellent research work, Mary committed to learning French (she's a Francophile) and enjoys spending time with her family. As Mary moves into retirement, she will continue to relish the "grandson duty" that she and her husband experience on a weekly basis.

While we are excited and happy for Mary, she will be missed by numerous colleagues and research partners. If you haven't had a chance to wish her well, Mary will remain active at CKRC on a casual basis, working Mondays through the end of the year.

Toutes nos félicitations!

We asked Mary to respond to a few questions about her time with Allina Health.

What was your initial role at Courage Kenny?

I worked as an OT in inpatient rehabilitation at Sister Kenny Institute (prior to 2013 merge).

What will you miss the most about your work?

Working with committed and smart people to accomplish something – building CK Research with the CKR team and conducting purpose renewal research with a fantastic group of research therapists.

What will you miss the least about your work?

Worrying about where I'll find money for the next study.

What are you most looking forward to in retirement?

More variety in my everyday life, having the bandwidth to try and learn new things, and simply moving at a slower pace! And having more time and energy to build my website and outside-of-work purpose interests.

Choosing Purpose

One of the final research projects that Mary has been working on with the Purpose Lab (and will continue to work on in retirement?!) is the Perspectives on Living with Purpose for Black and Non-Hispanic breast cancer survivors: A Qualitative Thematic Analysis. After completing three Compass Course studies (purpose renewal intervention— developed by Mary and a small group of CK clinicians) with breast cancer survivors, it was noted that they were not recruiting a proportional number of women of color compared to that which is found in the general population. This study will be the first to investigate the purpose in life intervention specifically in the African American/Black breast cancer survivors population.

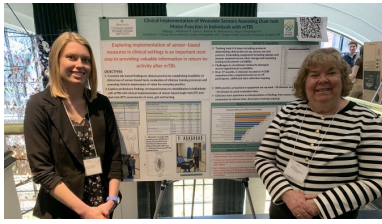
This study is a community-based participatory research project. It is a collaborative research approach involving equitable partnership between community members and researchers to create knowledge that promotes action towards positive social change (Collins et al., 2018). CKRC has partnered with 5 African American women who are breast cancer survivor leaders as well as 4 chaplains from Allina Health to explore what living with purpose might mean to this group as well as what might be the factors that would precipitate participation such a program as the Compass Course as part of research.



Collins et al. (2018). Community-based participatory research (CBPR): Towards equitable involvement of community in psychology research. *Am Psychol*, 73(7), 884-898.

2024 MN APTA Conference

Lindsay Dahling (CKSPT Hastings) and Maggie Weightman presented on the clinical use of wearable sensors during dual-task assessments in subjects who have experienced mild TBI at the 2024 MN APTA conference. This study is nearing completion as the researchers finalize data analysis and manuscript composition. Co-authors include **PG Michielutti, L Leuty, A Burtraw, L Richardson, B Wittry** from CKRC, along with consultant Laurie King Ph.D., PT, M.C.R. of Oregon Health and Science University.



Upcoming presentations:

Later this fall, Dr. Katy O'Brien will present a series of talks on the Rehabilitation Treatment Specification System (RTSS) at the American Congress of Rehabilitation Medicine and the American Speech Language Hearing Association Annual Conference. The RTSS is a systematic and theory-driven framework for describing clinical interventions by their "treatment components," helping therapists plan, explain, and evaluate their treatments based on the goals, actions, and expected outcomes of each intervention. It also helps therapists teach, learn, and communicate with other professionals and patients about their treatments, supporting person-centered care and quality improvement in rehabilitation.

September 2024

International Pediatric Brain Injury Society. Glasgow, Scotland.

- Reading after concussion: A case series of children receiving neuropsychological testing. [Paper Presentation]
- Children's communication following brain injury: An essential but underacknowledged area. [Symposium]

ACRM
COGNITIVE REHABILITATION TRAINING

October 2024

This October at the American Congress of Rehabilitation Medicine in Dallas, TX, Katy O'Brien will serve as faculty for their Cognitive Rehabilitation Training Course. This two-day advanced training offers a comprehensive overview of cognitive rehabilitation processes (treatment planning, goal setting, and progress monitoring), a foundation in basic neuroanatomy, and direct guidance and instruction on addressing impairments in attention, memory, executive functioning, social communication, and visuospatial functioning. General procedures and specific interventions for group-based treatment are also

covered. Dr. O'Brien will lead the executive function and social communication topic areas.

December 2024

American Speech Language Hearing Association Annual Convention, Seattle, WA.

- Improving students' clinical reasoning by specifying treatment ingredients and targets. [Oral Presentation]
- Use of a self-regulation strategy to improve older adults' health beliefs about fall prevention. [Oral Presentation]
- Comparison of two telehealth neurocognitive assessments for older adults with and without traumatic brain injury. [Poster Presentation]

Data collection at the MN State Fair

Books, magazines, recipes, emails, texts, social media – we are surrounded by words!

During the 2024 MN State Fair, Dr. Natalie Covington and the team working on the **Reading after Traumatic Brain Injury** study will be completing normative data collection in the U of M's Driven 2 Discover (D2D) building.

Come help us understand what and how much adults are reading, and how what you read influences how you feel about reading.



This series of surveys takes about 20 minutes to complete and will help us understand how adults use reading, and how that might change for people who have had brain injuries or concussions.

Look for the research team here:



[Driven to Discover Building | Minnesota State Fair \(mnstatefair.org\)](https://mnstatefair.org)



Research Meets Practice 2024

Watch for upcoming Research Meets Practice calendar invitations for the following topics in 2024:

October: Research Therapists Round Robin of Current and Recent Projects—*Carolyn Holm, PT, DPT; Ryan Brutger, PT, DPT; Caitlin Klukas, MS, CCC-SLP.*

December: Using and Generating New Research in the Development of an Updated Driving Screen—*Alisa Kocian, MA, OTR/L*

Coming Soon!

2024 Publications

Radomski, M. V., Anheluk, M., Carroll, G., & **Zola, J.** (2024). Purpose in life as an explicit outcome of occupational therapy. *The American Journal of Occupational Therapy*, 78(3), 7803347010.

Mitchell, J. T., **Covington, N. V.,** Morrow, E., de Riesthal, M., & Duff, M. C. (2024). Memory and traumatic brain injury: Assessment and management practices of speech-language pathologists. *American Journal of Speech-Language Pathology*, 33(1), 279–306.

Pei, Y. & **O'Brien, K. H.** (2024). Use of social media data mining to examine health needs, concerns, and experiences of people with traumatic brain injury. *American Journal of Speech-Language Pathology*, 33(2), 831–847.

Weightman, M. M., King, L. A., Fino, P. C., Dibble, L. E., Pelo, R., **Michielutti, P. G.,** Parrington, L., Lester, M. E., & Hoppes, C. W. (2024). Reconsidering vestibular/ocular motor screening cutoff scores for concussion. *Military Medicine*, 189(3-4), e714-e720.

Antonellis, P., **Weightman, M. M.,** Fino, P. C., Chen, S., Lester, M. E., Hoppes, C. W., Dibble, L. E., & King, L. A. (2024). Relation between cognitive assessment and clinical physical performance measures after mild traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, 105(5), 868-875.

Weston, A. R., Antonellis, P., Fino, P. C., Hoppes, C. W., Lester, M. E., **Weightman, M. M.,** Dibble, L. E., & King, L. A. (2024). Quantifying turning tasks with wearable sensors: A reliability assessment. *Physical Therapy*, 104(2), p2ad134.

Riccardi, J. S., D'Angelo, E., Hagen, E. B., Pei, Y., Ciccia, A., Haarbauer-Krupa, J., **O'Brien, K. H.,** & Lundine, J. P. (2024). The importance of identifying children with brain injury in schools: Speech-language pathologists as crucial partners. *American Journal of Speech-Language Pathology*, 1–4.

Kemp, A. M., Love, K., & **O'Brien, K. H.** (accepted). Exploring demographic and cognitive predictors of self-management in fall prevention in older adults with and without traumatic brain injury. *Journal of Head Trauma Rehabilitation*.

O'Brien, K.H., Messina, A., Pei, Y., Kemp A.M., Gartell, R., Brown, G., Appleberry, C., Gore, R.K., & Wallace, T. (accepted). Factors influencing speech-language pathology referral and utilization in mild traumatic brain injury: An exploratory analysis. *American Journal of Speech-Language Pathology*.

Kemp, A. M., & **O'Brien, K. H.** (accepted). Examining implementation outcomes of a self-regulation strategy for health education: Perspectives of clinicians and older adults with and without traumatic brain injury. *American Journal of Speech-Language Pathology*.

Courage Kenny Research Center Staff

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Mission:

Our mission is to conduct innovative, relevant clinical research that advances the field and improves rehabilitative care provided to people served by Courage Kenny Rehabilitation Institute and Allina Health.

allinahealth.org/ckresearch

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