

Monica A. Nelsen, PT, DPT

Division of Biokinesiology and Physical Therapy
University of Southern California
1540 E. Alcazar Street, CHP 155, Los Angeles, CA 90033
c: 949.701.2050 || e: nelsen@usc.edu

LICENSURE

Physical Therapy, State of California #23465

EDUCATION

1998 Doctor of Physical Therapy; University of Southern California, Los Angeles, CA
1995 Bachelor of Science, Physiology; San Francisco State University, San Francisco, CA

WORK EXPERIENCE

- 2022 – Director of Didactic and Laboratory Education, Assistant Professor of Clinical Physical Therapy; Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry; University of Southern California, Los Angeles, CA.
- 2018 – 2022 Assistant Professor of Clinical Physical Therapy, Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry; University of Southern California, Los Angeles, CA.
- 2013 – 2019 Private Physical Therapist and Consultant; Santa Barbara, CA
- 2008 – 2018 Adjunct Instructor of Physical Therapy, Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry; University of Southern California, Los Angeles, CA.
- 2008 – 2016 Project Director, Interdisciplinary Comprehensive Arm Rehabilitation Evaluation: Stroke Initiative (ICARE) ClinicalTrials.gov ID: [NCT00871715](https://clinicaltrials.gov/ct2/show/study/NCT00871715), U.S. NIH Grant/Contract: U01-NS056256; Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry; University of Southern California, Los Angeles, CA.
- 2002 – 2013 Chief Operating Officer, The Law Firm of Joseph H. Low IV; Newport Beach, CA & Long Beach, CA
- 2001 – 2003 Senior Physical Therapist, Ventura County Medical Center; Ventura, CA
- 1999 – 2001 Physical Therapist, Dagostino Physical Therapy; Oceanside, CA
- 1998 – 2001 Physical Therapist, Scripps Rehabilitation Hospital; San Diego, CA
- 1998 – 1999 Physical Therapist, Rancho Los Amigos National Rehabilitation Center; Los Angeles, CA
- 1997 – 1998 Graduate Research Assistant, Joint Appointment (full tuition & stipend): Department of Preventive Medicine, Keck School of Medicine; Division of Biokinesiology and Physical Therapy; University of Southern California, Los Angeles, CA
- 1996 – 1998 Graduate Teaching Assistant (full tuition & stipend), Department of Preventive Medicine, Keck School of Medicine; University of Southern California, Los Angeles, CA
- 1996 – 1997 Research Assistant (stipend), City of Hope; Duarte, CA

PEER-REVIEWED PUBLICATIONS

Geed S, Lane CJ, **Nelsen MA**, Wolf SL, Winstein CJ, Dromerick AW. Inaccurate use of the Upper Extremity Fugl-Meyer negatively affects upper extremity rehabilitation trial design: findings from the ICARE Randomized Controlled Trial. *Arch Phys Med Rehabil*. 2020 Sep 28, Vol 102(2) 270-279, doi:10.1016/j.apmr.2020.08.019. Online ahead of print.

Edwardson MA, Ding L, Park C, Lane CJ, **Nelsen MA**, Wolf SL, Winstein CJ, Dromerick AW. Reduced upper limb recovery in subcortical stroke patients with small prior radiographic stroke. *Frontiers in Neurology*. 2019 May 08, doi:10.3389/fneur.2019.00454.

Lewthwaite RL, Winstein CJ, Lane CJ, Blanton S, Wagenheim BR, **Nelsen MA**, Dromerick AW, Wolf SL. Accelerating stroke recovery: body structures and functions, activities, participation, and quality of life outcomes from a large rehabilitation trial. *NeurorehabilNeural Repair*. 2018, Vol. 32(2) 150-165. DOI: 10.1177/1545968318760726.

Edwardson MA, Wang X, Liu B, Ding L, Lane CJ, Park C, **Nelsen MA**, Jones TA, Wolf SL, Winstein CJ, Dromerick AW. Stroke lesions in a large upper limb rehabilitation trial cohort rarely match lesions in common preclinical models. *NeurorehabilNeural Repair*. 2017, Vol. 31(6) 509-520. doi: 10.1177/1545968316688799.

Winstein CJ, Wolf SL, Dromerick AW, Lane CJ, **Nelsen MA**, Lewthwaite R, Cen SY, Azen SP; Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Investigative Team. Effect of a task-oriented rehabilitation program on upper extremity recovery following motor stroke: the ICARE randomized clinical trial. *The Journal of the American Medical Association*. 2016 Feb 9; 315(6):571-81. doi: 10.1001/jama.2016.0276.

Duff SV, He J, **Nelsen MA**, Lane CJ, Rowe VT, Wolf SL, Dromerick AW, Winstein CJ. Interrater reliability of the Wolf motor function test – functional ability scale: why it matters. *NeurorehabilNeural Repair*. 2015 Jun; 29(5):436-43. doi:10.1177/1545968314553030. Epub 2014 Oct 16.

Winstein CJ, Wolf SL, Dromerick AD, Lane CJ, **Nelsen MA**, Lewthwaite R, Blanton S, Scott C, Reiss A, Cen SY, Holley R, Azen CP. Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE): a randomized controlled trial protocol. *BMC Neurology* 2013 13:5. doi:10.1186/1471-2377-13-5.

CONFERENCE PROCEEDINGS

Andersen MA, Havens K, Kirages DJ, **Nelsen MA**, Robertson EK, Tilson JK, Sebelski CA. *DPT Student Self-Efficacy on Psychomotor Skill Performance: A Comparison of Hybrid and Traditional Learning Models*. APTA Educational Leadership Conference 2019, Seattle, WA.

Horn KK, Lewthwaite R, **Nelsen MA**, Fitzgerald E, Winstein CJ. *Impacts of Patient Choice, Collaboration, and Control in Stroke Rehabilitation*. APTA-CSM 2019, Washington, DC.

Belagaje S, Blanton S, Ding L, Lane CJ, **Nelsen MA**, Dromerick AD, Winstein CJ, Wolf SL. *The Effect of SSRIs on the Outcomes of the ICARE Trial*. American Academy of Neurology (AAN) 2017, Boston, MA.

Geed S, **Nelsen MA**, Lane CJ, Winstein CJ, Wolf SL, Dromerick AD. *Rasch Analysis of UE Fugl-Meyer in the ICARE Stroke Trial: Effects of Rescaling on Clinical Assessment and Measurement of Recovering Motor Control*. American Society of Neurorehabilitation (ASNR) 2016, San Diego, CA.

Gallardo O, **Nelsen MA**, Lewthwaite R, Winstein CJ. *Recovery and Return to Work after Stroke: A Case Study of a Commercial Baker Enrolled in the Accelerated Skill Acquisition Program of the ICARE Randomized Controlled Trial*. IV Step Conference, 2016, Columbus, OH.

Winstein CJ, Wolf SL, Dromerick AD, Lane CJ, **Nelsen MA**, Lewthwaite R, Cen SY, Azen SP. *Interdisciplinary Comprehensive Rehabilitation Evaluation (ICARE) Primary Results: A Phase III Stroke Rehabilitation Trial*, International Stroke Conference (ISC) 2015, Nashville, TN.

Nelsen MA, Lane CJ, Park C, Wolf SL, Dromerick AD, Winstein CJ. *Effective Pre-Planned Center Selection to Optimize Sample Heterogeneity in the Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Multi-Site Trial*. International Stroke Conference (ISC) 2014, San Diego, CA.

Wolf SL, Dromerick AD, **Nelsen MA**, Lane CJ, Hahn CJ, Park C, Azen S, Winstein CJ. *Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE): A Randomized Control Trial*. International Stroke Conference (ISC) 2014, San Diego, CA.

Gallardo O, **Nelsen MA**, Lane CJ, Lewthwaite R, Wagenheim B, Winstein CJ. *'Mi trial es su trial': A Comprehensive, Interdisciplinary Approach to Overcome a Spanish Language Barrier for Inclusion in a Multi-Site, Behavioral, Randomized Controlled Rehabilitation Trial*. APTA-CSM, 2013, San Diego, CA.

Winstein CJ, Wolf SL, Dromerick AD, Blanton S, **Nelsen MA**, Lane CJ, Lewthwaite R, Scott C, Reiss A, Cen Y, Holley R, Brady K, Janis S, Azen S. *Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE): a randomized controlled trial*, International Stroke Conference (ISC) 2013, Oahu, HI.

Wagenheim BR, **Nelsen MA**, Blanton S, Lewthwaite R, Reiss A, Holley R, Burtman C, Hahn C, Cen Y, Lane C, Dromerick AD, Wolf SL, Winstein CJ. *Depression Management within an Arm Recovery Trial: The Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Experience*. American Congress of Rehabilitation Medicine (ACRM) & American Society of Neurorehabilitation (ASNR), 2012, Vancouver, Canada.

Wolf SL, Dromerick AD, **Nelsen MA**, Lane CJ, Winstein CJ. *Trials and Tribulations of Multi-Site Recruitment for the Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Trial*. International Stroke Conference (ISC) 2011, Los Angeles, CA.

Nelsen MA, Xiang A, Azen S, Winstein CJ, Dromerick AD, Wolf SL. *Design and Methods of a Stroke Clinical Trial: ICARE Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Stroke Initiative*. Society for Clinical Trials (SCT) 2010, Baltimore, MD.

Winstein CJ, Dromerick AD, Wolf SL, Lane CJ, **Nelsen MA**. *Interdisciplinary Comprehensive Arm Rehabilitation Evaluation (ICARE) Stroke Trial: Rationale, Challenges, and Opportunities for a Phase III RCT in Neurorehabilitation*, American Congress of Rehabilitation Medicine (ACRM) & American Society of Neurorehabilitation (ASNR), 2010, Montreal, Canada

PROFESSIONAL MEMBERSHIPS

American Physical Therapy Association, Education, Federal, & Neurology Sections
American Congress of Rehabilitation Medicine

COMMUNITY INVOLVEMENT

2020 – Santa Barbara County Medical Reserve Corps; Santa Barbara, CA
2014 – Santa Barbara County Public Libraries Adult Literacy Program; Santa Barbara, CA
2018 – 2020 American Red Cross; Santa Barbara, CA
2011 – 2017 Los Angeles Veterans Collaborative
2011 – 2016 Ride 2 Recovery; Long Beach VA Hospital; Long Beach, CA
2011 – 2014 Francisco House; Los Angeles, CA