

Poster Abstracts from the Fifth International Symposium on Gait and Balance in Multiple Sclerosis

Fall Detection and Prevention

Oregon Health & Science University • Portland, Oregon, USA • September 25 & 26, 2015

Editor's note: This is a listing of the poster abstract titles, authors, and author affiliations.

The full abstracts are available on IJMSC's online edition at <http://IJMSC.org>.

(1) VALIDATION OF THE FOUR SQUARE STEP TEST (FSST)

Y Nilsagård

University Healthcare Research Center, Örebro University, Örebro, Sweden

(2) EXAMINING UPPER AND LOWER BODY SEGMENTAL MOTION DURING WALKING IN HEALTHY CONTROLS AND PERSONS WITH MULTIPLE SCLEROSIS

J Craig, A Bruetsch, J Huisinga

University of Kansas Medical Center, Kansas City, KS

(3) CONNECTIONS BETWEEN POSTERIOR PARIETAL AND SENSORIMOTOR CORTICES PREDICT POSTURAL ADAPTATION IN PEOPLE WITH MULTIPLE SCLEROSIS

E Zeeboer, G Gera, H Schlueter, FB Horak, BW Fling

Oregon Health & Science University, Portland, OR

(4) SUPRA-SPINAL CONTROL OF AUTOMATIC POSTURAL REACTIONS IN PEOPLE WITH MS

DS Peterson,^{1,2} G Gera,² FB Horak,^{1,2} B Fling²

¹Veterans Affairs Portland Health Care System, Portland OR; ²Department of Neurology, Oregon Health & Science University, Portland, OR

(5) GREATER ROLE FOR LESS AFFECTED LIMB IN STANDING BALANCE WITH MS

RE Pimentel,¹ NB Ketelhut,² JH Kindred,² BL Tracy,³ T Rudroff,² RF Reiser II¹

¹Clinical Biomechanics Laboratory, ²Integrative Neurophysiology Laboratory, and ³Neuromuscular Function Laboratory, Department of Health and Exercise Science, Colorado State University, Fort Collins, CO

(6) CHARACTERISTICS OF GAIT DURING LONG-DURATION WALKING IN PEOPLE WITH MULTIPLE SCLEROSIS

C Curtze, G Gera, FB Horak

Department of Neurology, Oregon Health & Science University, Portland, OR

(7) INSTRUMENTED GAIT AND BALANCE MEASURES ARE RELATED TO COGNITIVE SCORES AND SELF-REPORTS OF FUNCTION IN PERSONS WITH MULTIPLE SCLEROSIS

J Huisinga, M Aldughmi, A Bruetsch, S Siengasukon

University of Kansas Medical Center, Kansas City, KS

(8) EFFECT OF FATIGUE ON SENSORY IMPAIRMENT IN MS: PARTIAL RESULTS OF AN ONGOING STUDY

J Karsten, A McCloughlin, M Rocchio, C Bianchi, H Karpatkin

Hunter College, City University of New York, New York, NY

(9) FALL PREVALENCE IN NON-AMBULATORY PERSONS WITH MULTIPLE SCLEROSIS

LA Rice, A Kalron, S Hausdorff-Berkowitz, D Backus, JJ Sosnoff

University of Illinois-Urbana-Champaign, Champaign, IL

(10) HOW ASSISTIVE DEVICES ARE ASSOCIATED WITH FALLS IN PEOPLE WITH MS: CONCEPTUAL MODELS

M Wang, M Cameron

Oregon Health & Science University, Portland, OR

(11) BLADDER DYSFUNCTION IS A RISK FACTOR FOR FALLS IN PEOPLE WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS

JE Zelaya, C Murchison, MH Cameron

Oregon Health & Science University, Portland, OR

(12) THE CONTEXT, CAUSES, AND CONSEQUENCES OF FALLS IN PEOPLE WITH MULTIPLE SCLEROSIS: PRELIMINARY RESULTS FROM AN IRISH CROSS-SECTIONAL STUDY

L Comber, R Galvin, S Coote

University of Limerick, Limerick, Ireland

(13) FALL ASSESSMENT IN PEOPLE WITH MULTIPLE SCLEROSIS: WHAT DO PM&R RESIDENTS NEED TO LEARN?

P Serina, S Campea

Veterans Administration Puget Sound Health Care System, Seattle, WA

(14) MEASURES OF FALLS RISK IN PERSONS WITH MULTIPLE SCLEROSIS: A COMPARATIVE STUDY OF THE TIMED UP AND GO AND TIMED UP AND GO COGNITIVE TESTS

MA Ciol, JJ Sosnoff, P Matsuda, S Seema Khurana, GH Kraft

University of Illinois-Urbana-Champaign, Champaign, IL

(15) INSTRUMENTED TIMED UP AND GO IDENTIFIES MOBILITY IMPAIRMENTS RELATED TO FALL RISK IN PERSONS WITH MULTIPLE SCLEROSIS

A Flach, A Adusumilli, RT Naismith, JM Wagner

Saint Louis University, St. Louis, MO

(16) TIMED 25-FOOT WALK TEST PERFORMANCE IS DECREASED WITH INCREASED PERCEPTION OF FALL RISK IN PATIENTS WITH MS

JH Kindred,¹ NB Ketelhut,¹ RE Pimentel,² BL Tracy,³ RF Reiser II,² T Rudroff¹

¹Integrative Neurophysiology Laboratory, ²Clinical Biomechanics Laboratory, and ³Neuromuscular Function Laboratory, Department of Health and Exercise Science, Colorado State University, Fort Collins, CO

(17) CORRELATION BETWEEN FALLS AND NEAR FALLS IN PEOPLE WITH MODERATE TO ADVANCED MULTIPLE SCLEROSIS

A Carling, Y Nilsagård

University Healthcare Research Center, Örebro University, Örebro, Sweden

(18) EFFECT OF AN ACUTE BOUT OF EXERCISE ON BALANCE, MOBILITY, MOOD, AND EXECUTIVE FUNCTION IN ADULTS WITH MULTIPLE SCLEROSIS

JV Jacobs, SL Kasser, AL Marcus, LC Cole, JS Sibold

Department of Rehabilitation and Movement Science, University of Vermont, Burlington, VT

(19) BETTER REPORTING OF COMORBIDITIES IS NEEDED IN MS EXERCISE STUDIES

EJ Bisson, A Fakolade, J Pétrin, M Finlayson

School of Rehabilitation Therapy, Queen's University, Kingston, Ontario, Canada

(20) ADAPTATIONS IN GAZE, POSTURAL SWAY, BALANCE, AND PARTICIPATION AFTER HOME-BASED TRAINING IN PERSONS WITH MULTIPLE SCLEROSIS

HG Garg,¹ MC Schubert,² E Gappmaier,¹ KB Foreman,¹ J Sibthorp,¹ LE Dibble¹

¹University of Utah, Salt Lake City, UT; ²Johns Hopkins University, Baltimore, MD

2015 Peer Reviewers

The editorial staff of the International Journal of MS Care acknowledges and thanks all of our 2015 peer reviewers. We appreciate your support and professional expertise. Through your dedication, we are able to achieve our mission of providing a high-quality peer-reviewed publication.

- | | | | | |
|----------------------|----------------------------|-------------------|---------------------------|-------------------------|
| Anwar Ahmed | Bruce Cohen | Senem Gunner | Heidi Maloni | Eileen Scheid |
| Kevin Alschuler | Evan Cohen | Paivi Hamalainen | James Marriott | Angela Senders |
| Jalayne Arias | Devon Conway | Rebekah L. Hanson | Rebecca Martin | Christine Short |
| Peter Arnett | Jonathan Cook | Katharine Harding | Virgil Mathiowetz | Jennifer Sippel |
| Miho Asano | Kevin Cooney | Colleen J. Harris | Kathleen Matuska | Claudio Solaro |
| Hrayr Attarian | Joanna Cooper | Jeffrey Hebert | Lori Mayer | Egon Stenager |
| Deborah Backus | Susan Coote | Chris Heesen | Kimberly Beckwith McGuire | Lael Stone |
| Julia Bareham | Margarita Corry | Robert Herndon | William Meador | Lauren Strober |
| Khurram Bashir | Linda Ann Cziza | Gabriel Hoffnung | Elana Mendelowitz | Matthew Sutliff |
| Erik Beall | William Culpepper | Lucinda Hugos | Pavol Mikula | Chad Swank |
| Heather Becker | Gary Cutter | Jessie Huisinga | Deborah Miller | Paul Taylor |
| Aliza Ben-Zacharia | Geraldine Dapul | Brian Hutchinson | Sarah Morrow | Alexandra Terrill |
| Jacqueline Bernard | Martin Daumer | Megan Hyland | Robert Motl | Jenifer Thomas |
| Sandy Berzins | Ekaterina Dobryakova | Kurt Jackson | Robert Naismith | Daria Trojan |
| Francesca Bevilacqua | Constance Easterling | David Jones | Ashley Newton | Dana Turcotte |
| Valerie Block | Erik Fink Eriksen | Alon Kalron | Alexander Ng | Karen Turpin |
| Patricia Bobryk | Deborah Espy | Daniel Kantor | Ylva Elisabet Nilsagård | Michele Messmer Uccelli |
| Lacey Bromley | Marcia Finlayson | Herbert Karparkin | Scott Patten | Marietta van der Linden |
| Cara Brown | Mark Freedman | Katelyn Kavak | Lara Pilutti | Gray Vargas |
| Theodore Brown | Kathleen Fuchs | Ilya Kister | Michelle Ploughman | Aimee Verrall |
| Marijean Buhse | Cindy Gackle | Rudi Kobetic | Matthew Plow | Megan Weigel |
| Michelle Cameron | Mohan Ganesan | Daphne Kos | Ana Popielnicki | Andrea White |
| Trudy Campbell | Eduard Gappmaier | Jennifer Larimore | Alyssa Pozniak | Jeff Wilken |
| Jonathan Carter | Setareh Ghahari | Terry Lee-Wilk | Katharine Preissner | Mary Alissa Willis |
| Mirela Cerghet | Margherita Giannoni | Deborah Lockridge | Alexander Rae-Grant | Gael Yonnet |
| Toni Chiara | Robert Godsall | Jesus Lovera | Sherry Russak | Kathy Zackowski |
| Alicia Chua | Shirley Groer (Fitzgerald) | Melinda Magyari | Priscilla Russo | Robert Zivadinov |
| Megan Clancy | | Nathan Makowski | Matthew Sacco | |