

CURRICULUM VITA
JESSIE VAN SWEARINGEN

PERSONAL DATA

Work: Department of Physical Therapy, University of Pittsburgh,
Bridgeside Point 1, Suite 233
100 Technology Drive
Pittsburgh, PA 15219
(412) 383-6634

LICENSURE

Physical Therapy -- Pennsylvania

EDUCATION

University of Pittsburgh
Department of Neurobiology, Anatomy and Cell Science
School of Medicine
Ph.D., 1992

The Ohio State University
Columbus, Ohio
Physical Therapy
M.S., 1981

University of Delaware
Newark, DE
Physical Therapy
B.S., 1978

EMPLOYMENT EXPERIENCE

1998-present	Associate Professor Department of Physical Therapy University of Pittsburgh Pittsburgh, PA
1985-1998	Assistant Professor Department of Physical Therapy University of Pittsburgh Pittsburgh, PA
1994-present	Assistant Professor

	School of Nursing, (joint appointment) University of Pittsburgh Pittsburgh, PA
1993-present	Director of Rehabilitation Facial Nerve Center University of Pittsburgh Medical Center Pittsburgh, PA
1991-1995	Consulting Physical Therapist Geriatric Evaluation and Management (GEM) Project, Veterans Administration - University Drive, Pittsburgh, PA
1986-1995	Part-time Physical Therapist St. Clair Hospital Pittsburgh, PA
1985-1986	Part-time Physical Therapist Mt. Lebanon Physical Therapy Pittsburgh, PA
1983-1986	Academic Coordinator of Clinical Education Program in Physical Therapy University of Pittsburgh Pittsburgh, PA
1983-1984	Consulting Physical Therapist Children's Hospital Pittsburgh, PA
1978-1983	Staff Physical Therapist St. Clair Hospital Pittsburgh, PA

UNIVERSITY EXPERIENCE

Teaching Responsibilities:

Physical Therapy Curriculum, Entry-level Professional:

1995-2001	Coordinator for the Basic Sciences component of the Physical Therapy curriculum (entry-level professional students) responsibilities include overseeing the content and format (including expectations for student performance - fit with curriculum objectives), of the courses in Human Anatomy, Survey of Human Diseases, Introduction to Neurosciences, Clinical Electrophysiology, and Cardiopulmonary Physical Therapy, advising faculty of the courses, and identifying resources
1997-2002	Cardiopulmonary Physical Therapy (entry-level professional, approx. 45 students) coordinate and oversee the development of

revised content in fundamentals of cardiopulmonary function for human performance in healthy and non-healthy populations, including recruiting the instructor and lectures, identifying content and guiding the selection of resources and learning experiences, and preparation of evaluations of student performance

1989-present

Clinical Electrophysiology (entry-level professional, 40-72 students) primary responsibility for lectures and supervising laboratory assistants in the application of electricity for therapeutic and diagnostic purposes; strong emphasis on the integrating the anatomy and neuroscience background as the rationale for most interventions; recent related research reports are used to promote students thinking toward evidenced-based practice

1986-present

Introduction to Neuroscience, co-instructor (entry-level professional, 40-110 students: 1986 to about 1992 physical and occupational therapy students, 1993- present, physical therapy students only) lecture and laboratory course covering the organization, physiology of transmission and reception, relations of the central nervous system and the periphery; emphasis on a systems-approach to understanding movement control, and movement dysfunction with insult to neural elements emphasis on normal sensory-motor integration; primary lecture responsibilities in development, neural transmission, special senses, neuroendocrine and limbic system function in behavior; primary coordinator for laboratory experiences including external and internal morphology using real brain materials, direct 3-4 laboratory assistants, developed structured case format for students to experience problem-solving cases from the neuropathology or the patients signs and symptoms

1995-present

Geriatric Physical Therapy (entry-level, professional, approx 8-12 physical therapy students) supervise the coordination /co-coordinate, providing guidance for defining content, identifying speakers with course coordinator; lecturer for overview of dementia, musculoskeletal changes, co-lecturer for physical function assessment , discussant for thought provoking questions and evidenced-based presentations / debates (an elective course 1995-2001; required since 2002)

1986-present

Guest Lectures (entry level professional, approx. 40-75 students): provided lectures in varied courses of the curriculum other than those I am the course instructor on the following topics: clinical rounds case presentation, Musculoskeletal Aging, Neuroanatomy,

Classification in Physical Therapy, Muscle Physiology and Energy Metabolism, Geriatric Assessment, Development of the Neuro-musculoskeletal System, Research Methods, Feldenkrais Approach

- 1985-1987 **Human Anatomy** (entry-level professional, approx. 95-110 students) Lecturer and laboratory assistant/coordinator with primary course instructor instructing physical therapy and occupational therapy students in basic human anatomy; comprehensive course with greater emphasis on neuromusculoskeletal peripheral anatomy; involved extensive cadaver laboratory experience with prosected specimens and clinical correlations to human movement problems
- 1984-1986 **Introduction to Research** (entry-level professional, approx. 60 students) Overview of types of research, methods of reviewing, critically reading and using research “into practice”; the intent to prepare students to become scholarly clinicians
- 1983-1986 **Clinical Education I, II, III and IV** (entry-level professional, 60-73 students) directed and implemented all phases of the clinical instruction of physical therapy students, including integrating lectures related to professional behavior, clinical interviewing and communication, and emergency response with the part time clinical experiences ; developed an information system for matching students to full-time clinical affiliation experiences and collaborated with a consultant to convert to a computerized system; promoted the initiation of providing continuing education seminar for clinical sites at the time of the academic faculty site visit to review student performance
- 1984-1985 **Introduction to Physical Therapy and Patient Care** (entry-level professional, 60-70 students) lecture and laboratory instruction in basic physical therapy procedures, positioning, draping, use of assisted devices, massage; instituted the inclusion of surface anatomy, identification and palpation to course to complement the instruction in anatomy
- 1983-1984 **Therapeutic Exercise I**, (entry-level professional, approx. 60 students) lab assistant, assisted instructor in laboratory learning experiences in physical therapy assessment and intervention procedures, and practical examinations

Physical Therapy Curriculum, Post-Professional:

2010-present **Fundamentals of Neuroscience for the Orthopedic Clinician**

- (graduate, post-professional physical therapy, approx. 40 students in lecture; 60-70 students in the laboratory portion) advanced neuroscience [including lecture and neuroanatomy lab] applicable to clinical assessment and practice, focus on an advanced understanding of systems underlying clinical practice – sensory, motor, visual, auditory, vestibular, peripheral and central neuromotor function in health and insult, and systems perspective on motor control and motor learning
- 1996-present **Analysis of Neuromuscular Signs and Symptoms for Clinical Decision-Making** (graduate, post-professional physical therapy, approx. 20 students) lecture, discussion and independent projects used to help students learn to assess patient signs and symptoms, identify the likely neuromuscular tissue or system of disorder and make a report or appropriate referral; information is shared in an unusual format being taught in three concentrated weekend sessions of study
- 1992-1996 **Advanced Musculoskeletal Sciences** (graduate, post-professional, approx. 20 students) guest lecturer on the development of the pattern of muscles and muscle fiber type expression, and muscle tissue techniques; and cellular and tissue structure and function of connective tissues including bone
- 1987-2001 **Selected Topics in Anatomy** (graduate, post-professional, approx. 2-6 students, 2-3 terms a year) provided the materials and resources including maintaining a small cadaver dissection laboratory, guidance and assistance for students with advanced clinical and academic backgrounds to conduct directed, regional anatomy dissections
- 1996-present **Guest Lectures** (graduate, post-professional, 6-20 students) provided lectures or seminar presentations in physical therapy, communication sciences and occupational therapy courses on topics such as: clinical outcomes of facial neuromuscular reeducation, neurophysiology of facial expression and emotion, surface electromyography, physical performance-based geriatric assessment
- 1991-1995 **Geriatric Clinical Decision Making** (graduate, post-professional physical therapy, 3-6 students) coordinated lectures integrated with clinical projects for experiences in clinical decisions
- 1989-1996 **Geriatric Physical Therapy II** (graduate, post professional physical

therapy, approx. 3-10 students) lectures and discussions of settings, organization, assessment tools and adjunct skills for improving the delivery of physical therapy for the older adult)

- 1988-1996 **Geriatric Physical Therapy I** (graduate, post professional physical therapy, approx. 3-10 students) lectures and discussions of age-related changes in major bodily systems and the impact on assessment and intervention in physical therapy
- 1988-1994 **Geriatric Physical Therapy Seminar** (graduate, post professional physical therapy, approx. 3-10 students) coordinated and guided a “journal-club” format of structured review, presentation and discussion of selected research reports published in peer-review literature in the past 6-12 months regarding factors influencing the performance of older adults, the efficacy or effectiveness of assessment and interventions for older adults
- 1986-1988 **Advanced Kinesiology** (graduate, post-professional, approx. 20 students) Lectures and discussions on the structure and function of the musculoskeletal system for experienced physical therapists, included osteokinematics, arthrokinematics, and the kinetics of human movement and muscle physiology
- 1997-present **Analysis Of Neuromuscular Signs And Symptoms In Clinical Decision-Making** (graduate, post-professional, approx 12-20; 50-60 since 2009 students) Analysis of the process and knowledge necessary for identifying the neuromuscular tissue or system, representing the origin of disorders in patients. “Case-solving” is the primary format of learning experiences, with the intent for clinicians to differentiate clusters of signs and symptoms and to make appropriate clinical decisions regarding the same.
- 2010-present **Fundamentals of Neuroscience for the Orthopedic Clinician** (graduate, post-professional, approx 50-60 students) A comprehensive study of neuroanatomy and systems neuroscience underlying clinical assessment and clinical decision-making. The emphasis is on the sensory and motor systems and relating the principles of neural science to related to movement dysfunction associated with musculoskeletal disorders.
- Other Post-Professional Health Science Curriculums:
- 1993-present **Guest Lecturer (Graduate School of Public Health, Department of Epidemiology, post-professional students including masters and doctoral students in Public Health, fellows in geriatric medicine, doctoral students in exercise physiology, approx. 20 students)**

lectured on topics of the Biology of Aging: Bone, Connective Tissue, and Muscle, and The Aging Nervous System, including structural and physiologic changes and changes in performance

- 1997-present **Guest Moderator (School of Medicine, approx 10-15 MD/ PhD students)** invited to be faculty moderator for a session in seminar series; responsibilities include selecting a paper for presentation, student presents, faculty leads discussion of the findings, methods, relating subject to current learning experiences in anatomy course and clinical relevance
- 1997-2006 **Guest Lecturer (School of Medicine, approx 140 medical students)** introduced students to the biomechanics of the musculoskeletal system from a clinical perspective of movement and function, a detailed outline supplemented the lecture which used examples of common clinical conditions and related dysfunction to illustrate the biomechanics
- 1988-2006 **Guest lecturer (School of Nursing, post-professional, geriatric nurse practitioner program)** provided guest lectures on the following general topics: Exercise and Aging (30-40 students, yearly); Physical Activity for Fitness for Life and for the Patient with Cardiovascular Disease (30-40 students, yearly); Neurobiology of Psychiatric Disorders: Neuromessengers, Neuroendocrine and Limbic System Function (15-20 students, 6 hours, yearly)
- 1986-1988 **Histology (School of Medicine, approx. 145 medical and doctoral students), teaching assistant and lecturer:** coordinated biweekly laboratory sessions, presenting a slide overview tissue sections and directly supervised 0 to 80 students in labs learning histology from microscopic inspection of tissue sections; provided guest lectures yearly on the histology of connective tissues (i.e. bone, ligament, tendon) and muscle (i.e. skeletal, cardiac and smooth)
- 1987 **Medical Embryology (School of Medicine, approx.145 medical and doctoral students)** guest lecturer for content on the development structure and function of the human urogenital system
- 1987-1989 **Interdisciplinary Management of Health Care for Older Adults -** team taught (entry-level and post-professional health science students, approx. 25-35) participated in the extensive planning, lectured and served as a faculty resource for students in this interdisciplinary (both in terms of instructors and students)

COMMITTEES:

2007-present	Chair, Appointment, Promotion, Tenure Committee, SHRS
2006-present	University Committee on Appointment & Tenure, ad-hoc member
2012-present	SHRS PhD Program: methods of inquiry committee
2006	Chair, Ad-hoc Committee for Tenure Review, SHRS
2000-2004	Appointment, Promotion, Tenure Committee, SHRS
1999-2000	Chair of the Faculty, SHRS
1998-1999	Vice Chair of the Faculty, SHRS
1996-present	Advisory Board, Survival and Ethics Program, University
1996-1998	Planning and Budgeting Committee, SHRS
1995-2000	Modular Curriculum Task Force, SHRS
1994-97; 97-04	Senate Athletics Committee, University (elected committee)
1991-1993	Budget Policies Committee, SHRS
1990-1991	Nominating Committee, SHRP
1990-1998	Safety Committee, SHRP, Chair
1987-1993	Senate Committee on Organization and Procedures, University (during 6-year tenure, the Committee rewrote the Bylaws of the University which had not been addressed in 25 years, and revised the procedure for search process for senior administrators; I served as committee secretary for the final 3 years)
1987-1989	Academic Teaching Integrity Hearing Board, SHRP
1983-1988	Council on Undergraduate Study, SHRP
1986-87,93-94	Secretary, Executive Committee, SHRP Faculty

Other:

1993-present	Graduate Faculty, member
1995-present	Faculty, Neuromuscular Post-Professional (Graduate) Focus in Physical Therapy
1987-1995	Coordinator, Geriatric Post-Professional (Graduate) Focus in Physical Therapy
1986-present	Faculty, Orthopedic/Musculoskeletal Post-Professional (Graduate) Focus in Physical Therapy
1986-present	Co-coordinator, (coordinator 1986-1995) Anatomy Demonstration Laboratory, SHRS

CURRENT PROFESSIONAL SOCIETIES

American Physical Therapy Association
 APTA Sections on Orthopedic and Sports Physical Therapy, Education,

Geriatrics, Research, and Neurology
 Pennsylvania Physical Therapy Association
 American College of Sports Medicine
 Society for Neuroscience
 Pittsburgh Society for Neuroscience
 The Gerontological Society of America
 Pennsylvania Geriatric Society - Western

PROFESSIONAL ACTIVITIES

Research Committee (Chair), Section on Geriatrics, APTA, beginning 2008
 Editorial Board Member, Physical Therapy, 2002-2006
 Manuscript Reviewer, Journal of the Gerontology, 2002-present
 Manuscript Reviewer, Journal of the American Geriatric Society. 2003- present
 APTA Program Committee, Research Abstracts and Program Review, 2002- present
 Research Committee, Section on Geriatrics, APTA, 2002-present
 Associate Editorial Board Member, Physical Therapy, 2001-present
 Research Abstract Reviewer, APTA Combined Sections, Annual Meetings, 2001-present
 Research Committee, Section on Neurology, APTA, 2001-present
 Clinical Research Agenda, American Physical Therapy Association, invited participant
 to establish a research agenda for the profession, 1998-1999
 Research Abstracts Reviewer, Gerontology Society of America, 1999 - present
 Manuscript Reviewer, Journal of Physical Therapy Education, 1991 - present
 Manuscript Reviewer, Physical Therapy, 1986-present
 Manuscript Reviewer, Journal of the American Academy of Nurse Practitioners, 1991-
 present
 Book Reviewer, Journal of Orthopaedic and Sports Physical Therapy, 1985-present
 Delegate to 1991 and 1992 House of Delegates, APTA, Southwest District PPTA
 Chairperson, Nominating Committee, South West District of Pennsylvania Physical
 Therapy Association, 1987-90
 Nominating Committee, Pennsylvania Physical Therapy Association, 1988-90
 Advisory Committee Graduate Track in Geriatric Physical Therapy, 1983-1986
 Research Committee, Pennsylvania Physical Therapy Association, 1984-present
 Chairperson, Clinical Planning Committee, Physical Therapy Program, University of
 Pittsburgh, 1983
 Chairperson, Research Committee, Southwestern District of the Pennsylvania Physical
 Therapy Association, 1982-1983, Co-chair 1984 - 1986

PUBLICATIONS

Karim HT, **VanSwearingen JM**, Huppert TJ, Erickson KI, Wollam ME, Sparto PJ, Sejdic
 E. Motor sequence learning-induced neural efficiency in functional brain
 connectivity. NeuroImage (submitted, August 2016)

- Zhang Z, **VanSwearingen J**, Brach JS, Perera S, Sejdic. Most suitable mother wavelet for the analysis of fractal properties of stride interval time series via the average wavelet coefficient. *Computer Meth Biomech Biomed Eng* (submitted, May 2016)
- Brach JS, Perera S J, Gilmore S, **VanSwearingen JM**, Wert D, Nadkarni N, Ricci E. A patient-centered comparative effectiveness trial of the novel "On the Move" group exercise program in community-dwelling older adults: Design and stakeholder involvement. *Contemporary Clin Trials* (submitted, April 2016)
- Almarwani M, Perera S, **VanSwearingen JM**, Sparto PJ, Brach JS. Challenging the motor control of gait: gait variability during slower and faster pace walking conditions in younger and older adults. *Arch Gerontol Geriatr* (accepted, May 2016)
- Nanjundeswaran C, **VanSwearingen J**, Verdolini Abbott K. Metabolic mechanisms of voice. *J Voice* (submitted, April 2016)
- Almarwani M, Perera S, **VanSwearingen JM**, Sparto PJ, Brach JS. The test-retest reliability and minimal detectable change of spatial and temporal gait variability during usual over-ground walking for younger and older adults. *Gait & Posture* 2016;44:94-99.
- Lowry KA, Sebastian K, Perera S, **VanSwearingen J**, Smiley-Oyen AL. Age-related differences in locomotor strategies during adaptive walking. *J Motor Behav* (accepted 2016)
- Brach JS, Francois SJ, **VanSwearingen JM**, Gilmore S, Perera S, Studenski SA. Translation of a motor learning walking rehabilitation program into a group-based exercise program for community-dwelling older adults. *Phys Med Rehab*, Oct 2015 doi:10.1016/j.pmrj.2015.10.004
- Nowak N, Brach J, **VanSwearingen J**. Intervention-related change in self-efficacy partially explains change in functional limitations in older adults with mobility disability. *J Gerontol Med Sci* (submitted July 2015).
- Grattan ES, Lang C, Birkenmeier R, Holm M, Rubinstein E, Van Swearingen J, Skidmore ER. Examining the feasibility, tolerability, and preliminary efficacy of repetitive task-specific practice for individuals with unilateral spatial neglect. *Am J Occup Ther* 2016;70(4).
- Hortobágyi T, Lesinski M, Gäbler M, **VanSwearingen JM**, Malatesta D, Granacher U. Effects of three types of exercise interventions on healthy old adults' gait speed: A systematic review and meta-analysis. *Sports Medicine*. 2015; 45:1627-1643; DOI 10.1007/s40279-015-0371-2.
- Gatouillat A, Bleton H, **VanSwearingen J**, Perera S, Thompson S, Smith T, Sejdic E. Cognitive tasks during walking affect cerebral blood flow velocities in middle cerebral arteries. *Behavioral and Brain Functions* 2015; 11:29; DOI 10.1186/s12993-015-0073-9.
- Welch SA, Ward RE, Kurlinski LA, Kiely DK, Goldstein R, **VanSwearingen J**, Brach JS, Bean JF. Curved and straight path walking among primary care older adults: associations with fall-related outcomes. *Phys Med Rehabil*, Dec 2015 doi:10.1016/j.pmrj.2015.12.004.
- Wert D, **VanSwearingen JM**, Perera S, Studenski S, Brach JS. The impact of a portable metabolic measurement device on gait characteristics of older adults with mobility

- limitations. *J Geriatr Phys Ther* 2015; doi: 10.1519/JPT.0000000000000053
- Sustakoski A, Perera S, **VanSwearingen JM**, Studenski SA, Brach JS. The impact of testing protocol on recorded gait speed. *Gait & Posture*, 2015; 41:329-331.
- VanSwearingen JM**, Studenski SA. Aging, motor skill, and the energy cost of walking: implications for the prevention and treatment of mobility decline in older persons. *J Gerontol A Biol Sci Med Sci* 2014; 16:1429-1436.
- Brach JS, Lowry K, Perera S, Wert DW, Hornyak V, Studenski SA, **VanSwearingen JM**. Improving motor control in walking: a randomized clinical trial in older adults with subclinical walking difficulty. *Arch Phys Med Rehabil* 2015;96:388-394.
- Nadkarni NK, Perera S, Studenski S, Rosano C, Aizenstein HJ, Brach JS, **VanSwearingen JM**. Callosal hyperintensities and gait rehabilitation: an analysis of gait speed gain from two types of mobility interventions in older adults. *Arch Phys Med Rehabil* 2015 96(6):1154-1157.
- Wert D, Brach JS, Perera S, **VanSwearingen J**. The test-retest reliability of indirect calorimetry measures of energy expenditure during overground walking in older adults with mobility limitations. *J Aging Phys Act* 2015, 23, 346 – 351.
- Muhei-aldin O, **VanSwearingen J**, Huppert T, Sparto PJ, Erickson KI, Sejdić E. An investigation of fMRI time series stationarity during motor sequence learning foot tapping tasks. *J Neuroscience Methods* 2014; 227:75-82.
- Brach JS, **VanSwearingen JM**. Interventions to improve walking in older adults. *Curr Transl Geriatr and Exper Gerontol Rep* 2013; 2:230-238.
- Brach JS, **VanSwearingen JM**, Perera S, Wert DW, Studenski SA. Motor learning versus standard exercise in older adults with subclinical gait dysfunction. *J Am Geriatr Soc* 61:1879-1886, 2013.
- Wert D, Brach JS, Perera S, **VanSwearingen J**. The association between energy cost of walking and physical function in older adults. *Arch Geront Ger* 2013; 57:198-203.
- Hornyak V, **VanSwearingen JM**, Wert D, Perera S, Brach JS. What is the Relation between fear and physical activity in older adults? *Arch Phys Med Rehabil* 2013; 94:2529-34
- Odonkor CA, Thomas JC, Holt N, Latham N, **VanSwearingen J**, Brach JS, Leveille SG, Jette AM, Bean J. A comparison of straight and curved path walking tests among older adults. *J Gerontol Med Sci* 2013, 68:1532-9.
- Bellanca JL, Lowry KA, **VanSwearingen JM**, Brach JS, Redfern MS. Harmonic ratios: A quantification of step to step symmetry. *J Biomech* 2013; 46:828-831.
- Nadkarni NK, Studenski S, Perera S, Rosano C, Aizenstein HJ, Brach JS, **VanSwearingen JM**. White matter hyperintensities, exercise and improvement in gait speed: does the type of gait rehabilitation matter? *J Am Geriatr Soc* 2013; 61:686-693.
- Lowry KA, **VanSwearingen JM**, Perera S, Studenski SA, Brach JS. Walking smoothness is associated with self-reported function after accounting for gait speed. *J Gerontol Med Sci* 2013; 68:1286-90.
- Brach JS, Wert D, **VanSwearingen JM**, Newman AB, Studenski SA. Use of stance time variability for predicting mobility disability in community-dwelling older persons: a prospective study. *J Geriatr Phys Ther* 2012; 35: 112-117.

- Julius LM, Brach JS, Wert DW, **VanSwearingen JM**. Perceived effort of walking: relation to gait, physical function, activity, fear and confidence in walking in older adults with mobility limitations. *Phys Ther* 2012; 92:1268-1277. PMC3461131
- Hile ES, Brach JS, Perera S, Wert DM, **VanSwearingen JM**, Studenski SA. Initial support and maximum hold time: impact on tandem stance test. *Phys Ther* 2012; 92:1316-1328. PMC3461133
- Lowry KA, Brach JS, Nebes RD, Studenski SA, **VanSwearingen JM**. Contributions of cognitive function to straight- and curved-path walking in older adults. *Arch Phys Med Rehab* 2012; 93:802-807.
- Newell A, **VanSwearingen JM**, Hile ES, Brach JS. The modified gait efficacy scale: establishing the psychometric properties in older adults. *Phys Ther* 2012; 92:318-328.
- Hornyak V, **VanSwearingen JM**, Brach JS. Measurement of gait speed. *Top Geriatr Rehab* 2012; 28:27-32.
- Dunlap P, Perera S, **VanSwearingen JM**, Wert D, Brach JS. Transitioning to a narrow path: The impact of fear of falling in older adults. *Gait Posture* 2012; 35:92-95.
- VanSwearingen JM**, Perera S, Brach JS, Wert DW, Studenski SA. Exercise to improve gait efficiency: impact on activity and participation in older adults with mobility limitations. *Phys Ther* 2011;91:1740-1751.
- Brach JS, Perera S, **VanSwearingen JM**, Hile E, Wert D, Studenski SA. Challenging gait conditions predict 1-year decline in gait speed in older adults with apparently normal gait. *Phys Ther* 2011;91:1857-1864.
- Brach JS, McGurl D, Wert D, **VanSwearingen JM**, Perera S, Cham R, Studenski S. Validation of the smoothness of walking. *J Gerontol A Biol Sci Med Sci* 2011;66A:136-141.
- Wert D, Brach JS, Perera S, **VanSwearingen J**. The impact of gait biomechanics and gait characteristics on the energy cost of walking in older adults with impaired mobility. *Phys Ther* 2010; 90:977-985.
- Huang WNW, Perera S, **VanSwearingen J**, Studenski SA. Physical performance measures predict the onset of basic ADL difficulty in community-dwelling older adults. *J Am Geriatr Soc* 2010;58:844-852.
- Hess R, Brach J, Piva S, **VanSwearingen J**. Walking skill can be assessed in older adults: validity of the figure-of-8 walk test. *Phys Ther* 2010;90:89-99.
- Wert D, Talkowski J, Brach J, **VanSwearingen J**. Characteristics of walking, activity, fear of falling and falls in community dwelling older adults by residence. *J Geriatr Phys Ther* 2010; 33:41-45.
- VanSwearingen JM**, Perera S, Brach JS, Cham R, Rosano C, Studenski SA. A randomized trial of two forms of therapeutic activity to improve walking: effect on the energy cost of walking. *J Gerontol A Biol Sci Med Sci* 2009; 64A:1190-1198.
- Huang WNW, **VanSwearingen J**, Brach J. Gait variability in older adults: observational rating validated by comparison with a computerized walkway gold standard. *Phys Ther* 2008;88:1146-1153.

- Sparto PJ, Aizenstein HJ, **VanSwearingen JM**, Rosano C, Perera S, Studenski SA, Furman JM, Redfern MS. Delays in auditory-cued step initiation are related to increased volume of white matter hyperintensities in older adults. *Exp Brain Res* 2008;188:633-640.
- Denlinger RL, **VanSwearingen JM**, Cohn JE, Schmidt KL. Puckering and blowing facial expressions for patients with facial movement disorders. *Phys Ther* 2008; 88:909-915.
- VanSwearingen J**. Facial rehabilitation: a neuromuscular reeducation, patient-centered approach. *Facial Plastic Surg* 2008;24: 250-259.
- Brach JS, Studenski SA, Perera S, **VanSwearingen JM**, Newman AB. Stance time and step width variability have unique contributing impairments in older persons. *Gait & Posture* 2008;27:431-439.
- Rogers C, Schmidt KL, **VanSwearingen JM**, Cohn JF, Wachtmann GS, Manders EK, Deyeliannis FW-B. Automated Face Image Analysis: Detecting improvement in abnormal facial movement after treatment with Botulinum toxin A. *Ann Plast Surg* 2007; 58: 39-47.
- Brach JS, Studenski SA, Perera S, **VanSwearingen JM**, Newman AB. Gait variability and the risk of incident mobility disability in community-dwelling older adults. *J Gerontol Med Sci* 2007;62A:983-988.
- Merkel KE, Schmidt KA, Levenstein R, **VanSwearingen JM**. Positive affect predicts improved lip movement in facial movement disorder. *Otol Head Neck Surg* 2007; 137:100-104.
- Sajjadian A, Song A, Khorsandi CA, Deleyiannis F, VanSwearingen JM, Henkelmann TC, Hui K, Manders EK. One stage reanimation of the paralyzed face using the rectus abdominus neurovascular free flap. *Plastic Reconstructive Surg* 2006; 117: 1553-1559.
- Deyeliannis FW-B, Askari M, Schmidt KL, Henkelmann TC, **VanSwearingen JM**, Manders EK. Muscle activity in the partially paralyzed face after placement of a fascial sling. *Ann Plast Surg* 2005;55:449-455.
- Martin RL, Irrgang JJ, Burdett RG, Conti SF, **VanSwearingen JM**. Evidence of validity for the foot and ankle ability measure (FAAM). *Foot Ankle Int* 2005;26:968-983.
- Brach JS, Berlin JE, **VanSwearingen JM**, Newman AB, Studenski SA. Too much or too little step width variability is associated with a fall history in older persons who walk at or near normal gait speed. *J NeuroEngineering Rehab* 2005; 2: 21.
- Schmidt KA, **VanSwearingen JM**, Levenstein R. Speed, amplitude, and asymmetry of lip movement in voluntary puckering and blowing expressions: Implications for facial assessment. *Motor Control* 2005; 9: 270-280.
- Brach JS, **VanSwearingen JM**, Fitzgerald SJ, Storti KL, Kriska AM. The relationship among physical activity, obesity, and physical function in community-dwelling older women. *Preventive Medicine* 2004; 39:74-80.
- Brach JS, Fitzgerald S, Newman A, Kelsey S, Kuller L, **VanSwearingen JM**, Kriska AM. The relation of physical activity levels to functional status over an extended time period in community-dwelling older women. *Arch Int Med* 2003;163:2565-2571.
- VanSwearingen JM**, Brach JS. Changes in facial movement and synkinesis with facial

- neuromuscular reeducation. *Plastic Reconstructive Surg* 2003;111:2370-2375.
- Brach JS, **VanSwearingen JM**, Newman AB, Kriska AM. Identifying early decline of physical function in community-dwelling older adults: Performance-based and self-report measures. *Phys Ther* 2002;82:320-328.
- Brach JS, **VanSwearingen JM**. Physical impairment and disability: Relation to physical function in community-dwelling frail older adults. *Phys Ther* 2002;82: 752-761.
- Brach JS, Kriska A, Newman AB, **VanSwearingen JM**. A new approach of measuring muscle impairment during a functional task: Quadriceps muscle activity recorded during chair stand. *J Gerontol* 2001;56A:M767-M770.
- Brach JS, Berthold R, Craik R, **VanSwearingen JM**, Newman AB. Gait variability in community-dwelling older adults. *J Am Geriatr Soc* 2001;49:1646-1650.
- VanSwearingen JM**, Brach JS. Making geriatric assessment work: selecting useful measures. *Phys Ther* 2001;81:1233-1252.
- Wachtman GS, Cohn JF, **VanSwearingen JM**, Manders EK. Automated tracking of facial features in persons with facial neuromotor disorders. *Plastic Reconstructive Surg* 2001; 107:1124-1133.
- VanSwearingen JM**, Cohn JF, Bajaj-Luthra A. Specific impairment of smiling increases the severity of depressive symptoms in patients with facial neuromuscular disorders. *Aesthetic Plastic Surg* 1999; 23:416-423.
- Wachtman GS, Cohn JF, **VanSwearingen JM**, Manders EK. Pixel-wise tracking of facial movement by computer image processing. *Plastic Reconstructive Surg* 1999; 112:548-553.
- Pennock JD, Johnson PC, Manders EK, **VanSwearingen JM**. Relationship between muscle activity of frontalis and the associated brow displacement. *Plastic Reconstructive Surg* 1999; 104:1789-1799.
- Brach JS, **VanSwearingen JM**. Not all facial paralysis is Bell's palsy: A case report. *Arch Phys Med Rehabil* 1999;80:857-859.
- Brach, JS, **VanSwearingen, JM**. Physical therapy for facial paralysis: A tailored treatment approach. *Phys Ther* 1999;79:397-404.
- Barry MJ, VanSwearingen JM, Albright AL. Reliability and responsiveness of the Barry-Albright Dystonia Scale. *Dev Med Child Neurol* 1999; 41:404-411.
- Sheehy P, Burdett RG, Irrgang JJ, **VanSwearingen J**. An electromyographic study of vastus medialis oblique and vastus lateralis activity while ascending and descending steps. *J Ortho Sports Phys Ther* 1998; 27(6):423-429.
- VanSwearingen JM**, Paschal KA, Bonino PD, Chen TW. Assessing recurrent fall risk of community-dwelling frail older veterans using specific test of mobility and the Physical Performance Test of function. *J Gerontol: Med Sci* 1998; 53A: M457-464.
- VanSwearingen JM**, Brach JS. A treatment-based classification system and tailored treatment approach for individuals with facial neuromotor disorders. *Phys Ther* 1998; 78: 678-689.
- Bajaj-Luthra A, **VanSwearingen J**, Johnson PC. Quantitation of patterns of facial movement in patients with ocular to oral synkinesis. *Plastic Reconstr Surg* 1998; 101: 1473-1480.
- VanSwearingen JM**, Cohn JF, Turnbull J, Mrzai T, Johnson PC. Psychological distress:

- linking impairment with disability in facial neuromuscular disorders. *Otolaryngology-Head and Neck Surgery* 1998; 118: 790-796.
- Brach JS, **VanSwearingen JM**, Delitto A, Johnson PC. Impairment and disability in individuals with facial neuromuscular dysfunction. *Otolaryngology-Head and Neck Surgery* 1997; 117:315-321.
- VanSwearingen JM**, Brach JS. The facial disability index: reliability and validity of a functional assessment instrument for disorders of the facial neuromuscular system. *Phys Ther* 1996; 76:1288-1300.
- Brach, JS, **VanSwearingen, JM**, Lenert J, Johnson, PC. Facial neuromuscular retraining for oral synkinesis. *Plastic Reconstr Surg* 1997; 99:1922-1933.
- VanSwearingen, JM**, Paschal, KA, Bonino, P, Yang, JF. The modified gait abnormality rating scale for recognizing the risk of recurrent falls in community dwelling elderly adults. *Phys Ther* 1996; 76:994-1002.
- VanSwearingen, JM**, and Lance-Jones, C. Slow and fast muscle fibers are preferentially derived from myoblasts migrating into the chick limb bud at different developmental times. *Dev Biol* 1995; 170:321-337.
- Brach, JS, and **VanSwearingen, JM**. Measuring fatigue related to facial muscle function. *Arch Phys Med Rehabil* 1995; 76:905-908.
- Ostrosky, KM, **VanSwearingen, JM**, Burdett, RG, Gee, ZL. Comparison of active range of motion during free-speed gait in younger and older persons. *Phys Ther* 1994; 74: 637-645.
- VanSwearingen, J** and Lance-Jones, C. Spatial and temporal patterns of muscle formation in the limb of the avian embryo. *Progress Clin Biol Res* 1993; 383B: 553-562.
- Burdett, RG and **Van Swearingen, JM**. Reliability of isokinetic muscle endurance tests, *J Orthop Sports Phys Ther* 1987; 8 (10): 484-488.
- Van Swearingen, JM**. Systematic clinical placement of physical therapy students, *Phys Ther* 1987; 67: 394-398.
- Van Swearingen, JM**. Iron deficiency - consequence or adaption to strenuous exercise. *J Orthop Sports Phys Ther* 1986; 7(4):192-195.
- Van Swearingen, JM**. Nutrition and the growing athlete. *J Orthop Sports Phys Ther* 1984; 6: 73-177.
- Van Swearingen, JM**. Measuring wrist muscle strength. *J Orthop Sports Phys Ther* 1983; 4:217-228.

PUBLICATIONS - INVITED

- Van Swearingen, JM**. Neurobiology of the aging central nervous system and integrative behaviors. *Neurology Report* 1991; 15:20-23.
- Van Swearingen, JM** (guest editor). Aging and the Central Nervous System. *Neurology Report: Special Topic Issue* 1991; 15.

PUBLICATIONS - BOOK CHAPTERS

- Studenski S, VanSwearingen J. Gait Disorders: Clinical Significance and Approach to Evaluation and Management, in Oxford Textbook of Geriatric Medicine, 3rd edition, JP Michel, editor, London: Oxford University Press, in press, 2015.
- Studenski S, VanSwearingen J. Falls, in Textbook of Geriatric Medicine, 8th edition, Brocklehurst, editor, Philadelphia: Elsevier, 2015.
- VanSwearingen JM**, Cohn JF. Smiling in facial paralysis. Chapter 31 in Beurskens CHG, vanGelder RS, Heymans PG, Manni JJ, Nicolai JPA (eds) The Facial Palsies, Netherlands: LEMMA Publishers, 2005.
- VanSwearingen JM**. Exercise, energy cost and aging in orthotic and prosthetic rehabilitation. Chapter 4, in Lusardi MM, Nielsen C (eds) Orthotics and Prosthetics in Rehabilitation, Newton, MA: Butterworth-Heinemann, 2000.
- VanSwearingen JM**. Electrical stimulation for improving muscle performance, Chapter 4, in Nelson R, Hayes K, Currier D (eds) Clinical Electrotherapy, third edition, Philadelphia, PA: Appleton & Lange, 1999.
- Carvell, GE and **Van Swearingen, JM**. Neurological Analysis of Sensory Motor Dysfunction, Chapter 17, in Scully R, and Barnes M, (eds), Physical Therapy, Philadelphia, Lippincott, 1989.

PUBLICATIONS - NON REFEREED

- VanSwearingen JM**. Facial rehabilitation: conservative alternative and surgical adjuvant. Physician's New Digest (WP), Pittsburgh, PA, August, 1996.
- Van Swearingen, JM**, Exercise to be fit for life, Blue Cross/Blue Shield of Western Pennsylvania Newsletter, Pittsburgh: Spindle publishing, Summer, 1994.
- Van Swearingen, JM**, Tracing a clinical path for saving face: rehabilitation of facial palsy, Advance for Directors of Rehab, Philadelphia: Merion Pub Oct 1994.

CONSULTANCIES

- Board of Directors, Vintage, Inc, 1994 - 2000
- Professional Advisory Committee, Visiting Nurse Association of Pittsburgh, 1984 - 2000
- Blue Cross/Blue Shield of Western Pennsylvania - Consultant: claims reviewers; reimbursement for Physical Therapy Services, 1989.

GRANTS

- Neural efficiency and walking efficiency. VanSwearingen JM, Huppert T, Sparto S, Sedjic E. R01 NIA, July 2015-June 2018, [in review]
- Task-specific timing and coordination exercise to improve mobility in older adults. Brach JS, PI, **VanSwearingen JM**, Perera S, Cham R, Co-Investigators, R01 NIA; December 2014-November 2019 [pending]
- Self-management via Health Kiosk by Community-residing Older Adults. Talbolt-Matthews J, PI, **VanSwearingen JM**.... Agency for Research Quality in Healthcare; 1 R01 HS022889-01A1: September 2014 - September 2019.

- On the Move: Optimizing Participation in Group Exercise to Prevent Walking Difficulty in At-risk Older Adults. Brach JS, PI, **VanSwearingen JM**, Perera S, Nadkarni N, Ricci E, Gilmore S, Co-Investigators, PCORI Project: 6301; October 2014- September, 2017
- Neural Adaption: Motor Learning Induced Changes in Functional Brain Networks. **VanSwearingen JM** PI, Erickson K, Huppert T, Sparto P, Co-investigators; Pepper Pilot: Claude D Pepper Older Americans Independence Center NIA P30 AG024827 Studenski SS, PI; May 2012-June, 2013.
- Benefits of Two Types of Therapeutic Exercise on Gait and Cognition. **VanSwearingen JM** PI, Erickson K, Co-I; Perera S, Brach J, Studenski S, Co-investigators; Pepper Pilot: Claude D Pepper Older Americans Independence Center NIA P30 AG024827 Studenski SS, PI; September 2010-August, 2013.
- Pittsburgh Claude D Pepper Older Americans Independence Center NIA P30 Studenski SS (PI), **VanSwearingen JM**, Senior-Investigator, Research Assessment Core, July 2005 – June 2010; renewed July 2010-June2015.
- Restoring Skill in Walking: A Motor Re-Learning Approach to Older Adults with Mobility Disability. **VanSwearingen JM**, Delitto A, Co-Principal Investigators, Cham R, Rosano C, Aizenstein H, Studenski S, Investigators (Pepper Pilot: Claude D Pepper Older Americans Independence Center NIA P30 Studenski SS, PI) July 2005-June 2007.
- Exercise Intervention for Neuroprotective Effects in Individuals with Parkinson's Disease. Delitto A, PI, Josbeno D, Carvell GE, **VanSwearingen JM** Greater Pittsburgh Chap, National Parkinson's Disease Fdn. (April 2004-March 2005)
- Performance-Based Measures of Individuals with Osteoarthritis of the Knee, **VanSwearingen JM**, Principal Investigator, Brach JS, Co-Investigator, Competitive Medical Research Fund, University of Pittsburgh Medical Center (\$25,000, February 2001- July 31, 2002)
- Testing Managements Decisions with the Mathematics of Clinical Trials, Manders EK, Principal Investigator, Russavage J, Udekwu A, **VanSwearingen JM**, Co-Investigators, Beckwith Institute Innovation Award (\$3500.00/1 year)
- Proposal to Purchase Specialized EMG Equipment, Engberg S, Principal Investigator, McDowell BJ, Co-Investigator, **VanSwearingen JM**, Provost Grant for Equipment, University of Pittsburgh (internal grant, \$13,561, June, 1997).
- Muscle Activity and Facial Expression, **VanSwearingen JM**, Principal Investigator, SHRS Research Indirect Costs and Recovery Fund Award (\$4200, April, 1996).
- Geriatric Education Center of PA, Richard Schulz, Principal Investigator, **Van Swearingen JM** as Faculty Associate NIH, \$3603/year, 1985-1990; \$4200/year, 1992-1996; extended 1996-1997.
- Geriatric Physical Therapy Clinical Service and Research Assistantship, **Van Swearingen JM**, project director, Rehab Management Associates of Pittsburgh, Inc, \$19,661.61, 1992-1993.
- SHRP Research Development Fund support to attend conference for invited researcher, **VanSwearingen JM**, Gordon Conference: Muscle Function in Normal and Pathological States, \$695, August 1991.

Measurement of Trunk Rotation in Young and Older Adults. **VanSwearingen JM**, Principal Investigator, SHRP Development Fund Award, \$245.15, 1989.
 To Implement and Test a Geriatric Fitness Project for Persons Age 80 and Older, **Van Swearingen, JM** and Burdett, KP, Co-Principal Investigators, The Buhl Foundation, December, \$10,000, 1987-88.
 Clinical Objective Measurement of Wrist Muscle Strength, **VanSwearingen JM**, Co-Principal Investigator, SHRP Research Development Fund, \$350, 1984.

Consultant to:

Videotaped Self-vs. Peer Modeled Exercise with Elderly Mentally Retarded Persons. Nancy Neef, Devereaux Foundation, Philadelphia, PA, National Institute on Disability and Rehabilitation Research, 1992-1993
 Functional assessment of older adults; with Dr. Joseph Furman, Dr. Mark Redfern, relationship to vestibular function and gait abilities (NIA), June, 1992-1994.
 Seating Design for Reducing Pressure, Brienza, D, Chung, KC, Principal Investigators, National Institute of Disability Related Research; 1992-1994.

PRESENTATIONS (Research):

Lowry KA, VanSwearingen J. Neural correlates of the Figure-of-8 walk test. Iowa State University Neuroscience Research Day, Iowa State University, Ames, IA, September, 2016
 Almarwani M, VanSwearingen JM, Perera S, Sparto PJ, Brach JS. Challenging the motor control of walking: gait variability under slower or faster pace walking conditions in young and older adults. APTA Combined Sections Meeting 2016.
 Nanjundeswaran C, VanSwearingen J, Verdolini Abbott K. Vocal Fatigue: Role of Aerobic Conditioning on Metabolic Cost & Recovery From Reading. American Speech and Hearing Association Annual meeting, Denver, CO, November 2015.
 Lowry KA, Farrington WJ, VanSwearingen JM. Thinking and walking while thinking outcomes of exercise interventions in older adults with age-related psychomotor slowing. Society for Neuroscience Annual Meeting, Chicago, IL 2015, October 20, 2015.
 Brandt A, Atwood P, Farrington W, Van Swearingen J, Lowry K. The Figure-of-8 Walk Test: a clinical measure of motor skill in walking for persons with Parkinson's disease. Movement Disorders Society International Congress, San Diego, CA, June 2015.
 Hornyak V, VanSwearingen J. A new model of knowledge translation for physical therapy clinicians who work in skilled nursing facilities: a case study. American Geriatric Society Annual Meeting, Washington, DC, May 2015.
 Almarwani M, VanSwearingen JM, Perera S, Sparto PJ, Brach JS. The test-retest reliability of spatial and temporal gait variability during usual over-ground walking for young and older adults. University of Pittsburgh Aging Institute, Aging Research Day, Pittsburgh, PA, March, 2015

- Welch SA, Ward RE, Kurlinski K, Kiely K, Goldstein R, VanSwearingen J, Brach JS, Bean J. A comparison of curved and straight path walking among older adults: associations with fall-related outcomes. American Association of Physiatry Meeting, San Antonio, TX, March 2015.
- Lowry KA, Van Swearingen J. Thinking while walking: does type of cognitive domain matter? APTA Combined Sections Meeting 2015, Indianapolis, IN
- VanSwearingen JM, Motor skill training: coaching the brain in walking. CNS, Aging and Mobility Workshop [U13 Symposium], Gerontological Society of America 2014 Annual Meeting, Washington DC, November, 2014.
- Brach JS, Francois SJ, Perera S, VanSwearingen JM, Studenski SA. On the Move: Feasibility of a Group-based Motor Learning Exercise Program in Community-Dwelling Older Adults with Impaired Mobility. International Society for Gait and Posture Meeting, Vancouver, CA, June, 2014.
- Lowry KA, Perera S, Van Swearingen J. Gait rehabilitation: Does executive function status matter? International Society for Gait and Posture Meeting, Vancouver, CA, June, 2014.
- VanSwearingen J, Lowry K, Rosano C, Brach J, Studenski S. Energy cost of walking: an indicator of the motor skill of walking. American Geriatric Society Annual Meeting, Orlando, FL, May 2014.
- Hornyak V, VanSwearingen J. Factor analysis of change in late life function and disability instrument scores. What Changes when the LLFDI changes? American Geriatric Society Annual Meeting, Orlando, FL, May 2014.
- Brach JS, Wert DM, Francois S, Studenski S, VanSwearingen JM. On the Move motor skill group exercise for older adults in senior residences. APTA Combined Sections Meeting 2014, Las Vegas, Nevada, February 3 - 6, 2014.
- VanSwearingen J; Brach J; Perera S; Wert D; Lowry K; Studenski S. Neural circuits of walking: can intervention restore the preprogrammed step length rate ratio linked to minimization of the energy cost of walking? APTA Combined Sections Meeting 2014, Las Vegas, Nevada, February 3 - 6, 2014.
- Wert D, VanSwearingen J, Perera S, Brach J. Test-retest reliability of metabolic variables during overground walking in older adults with gait limitations. APTA Combined Sections Meeting 2014, Las Vegas, Nevada, February 3 - 6, 2014.
- Hornyak V, VanSwearingen J. Differences in mobility, aging expectations and confidence among older adults afraid of falling who restrict activities compared to those who do not restrict activities. APTA Combined Sections Meeting 2014, Las Vegas, Nevada, February 3 - 6, 2014.
- Lowry K, Bellanca J, Perera S, VanSwearingen J, Brach J. Gait smoothness during treadmill walking in Parkinson's disease. APTA Combined Sections Meeting 2014, Las Vegas, Nevada, February 3 - 6, 2014.
- Nadkarni NK, Perera S, Studenski SA, Rosano C, Aizenstein HJ, VanSwearingen JM. Callosal white matter hyperintensities and gait outcomes from two types of rehabilitation in older adults with mobility impairment. 6th International Society of Vascular Behavioural and Cognitive Disorders, Toronto, CA, June 2013.

- Hornyak V, VanSwearingen JM. Is gait intervention-related change in fear or confidence in walking related to change in function?" American Geriatrics Society Annual Meeting, Dallas, TX, May, 2013.
- Lowry K, Thompson L, Nasheim J, Kirk S, VanSwearingen J, Smiley-Oyen A. Dual-task walking: the impact of task complexity and domain. University of Pittsburgh Institute on Aging Celebration of Research Day, Pittsburgh, PA, April, 2013.
- Hornyak V, VanSwearingen JM, Wert DM, Brach JS. The relative role of falls, fear and cognition in physical function in older adults. APTA Combined Sections Meeting, San Diego, CA, Jan, 2013.
- Brach JS, VanSwearingen JM, Perera S, Lowry K, Studenski SA. Improving motor skill in walking: a randomized clinical trial. APTA Combined Sections Meeting, San Diego, CA, Jan, 2013.
- Wert DA, VanSwearingen JM, Perera S, Brach JS. Consistency of overground gait speed during longer bouts of walking in older adults. APTA Combined Sections Meeting, San Diego, CA, Jan, 2013.
- Lowry K, Thompson L, Nasheim J, Kirk S, VanSwearingen J, Smiley-Oyen A. Dual-task walking: the impact of complexity and cognitive domain. APTA Combined Sections Meeting, San Diego, CA, Jan, 2013.
- VanSwearingen JM, Studenski SA, Lowry KA, Brach, JS. Mobility and physical function among older adults by patterns of gait variability. APTA Combined Sections Meeting, San Diego, CA, Jan, 2013.
- Nadkarni NK, Perera S, Studenski SA, Rosano C, Aizenstein HJ, VanSwearingen JM. Callosal white matter hyperintensities and gait outcomes from two types of rehabilitation in older adults with mobility impairment. Gerontological Society of America Annual Meeting, San Diego, CA, Nov, 2012.
- Jette A, Latham N, Fitzgerald K, VanSwearingen J, Weinstein C. RCTs on disability intervention in physical therapy and rehabilitation: unique challenges and opportunities. APTA Combined Sections Meeting, Chicago, IL Feb 2012.
- E. S. Hile, J. VanSwearingen, S. Perera, J. S. Brach, S. Zickmund, S. A. Studenski. Self-report of mobility decline over time is superior to repeated measures of current mobility in detecting performance decline. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.
- Lowry K, Swanson K, Chatterjee S, Perera S, Brach J, VanSwearingen J, Smiley-Oyen A. Age-related differences in walking skill: the effect of narrow base walking. International Society for Gait and Posture Meeting, Norway, June, 2012.
- Victoria Hornyak, Jessie M VanSwearingen, David L Wert, Stephanie A Studenski, Jennifer S Brach. How do falls, fear and cognition influence the association between physical performance and self-reported function in older adults. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.
- VanSwearingen JM, Perera S, Rosano C, Aizenstein HJ, Brach JS, Studenski SA. Brain grey matter volume of the putamen and clinical correlates of motor skill in walking. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.

- Zaldana M, VanSwearingen JM, Studenski SA, Brach JS. Motor learning ability in walking relates to physical function in older adults. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.
- Hibbs R, VanSwearingen JM, Studenski SA, Brach JS. Curved path walking predicts 12-month physical function in older adults without mobility limited physical function. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.
- Sustakoski A, VanSwearingen JM, Perera S, Studenski SA, Brach JS. The impact of testing protocol on recorded gait speed. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.
- Wert DM, VanSwearingen JM, Perera S, Brach JS. The influence of wearing a portable gas analysis metabolic measurement system on gait characteristics of older adults. International Society for Gait and Posture Meeting, Norway, June, 2012.
- Brach JS, VanSwearingen JM, Perera S, Wert D, Hornyak V, Studenski SA. Motor skill versus standard exercise in older adults with normal walking speed and gait inefficiency. American Geriatric Society Annual Meeting, Seattle, WA, May 2012.
- Brach JS, VanSwearingen JM, Wert DM, Lowry K, Perera S. Gait characteristics partially explain the underestimation of walking intensity in older adults but not in young adults. International Society for Gait and Posture Meeting, Norway, June, 2012.
- Huang WN, VanSwearingen JM, Perera S, Cham R, Studenski SA. Exercise effects on multitask walking: an RCT of the response of older adults with mobility limitations to two types of therapeutic exercise. APTA Combined Sections Meeting, Chicago, IL, Feb, 2012.
- Hibbs R, VanSwearingen JM, Brach JS. Curved path walking as an indicator of physical function in daily life. American Physical Therapy Association Annual Meeting - PT 2012, Tampa, FL, June, 2012.
- Huang WNW, VanSwearingen JM, Perera S, Cham R, Studenski SA. Effect of multi-tasking on gait: how do older adults with mobility limitations respond to the challenge? American Geriatric Society Annual Meeting, May 2011
- K Lowry , J VanSwearingen, S Studenski, J Brach. Smoothness of gait is associated with self-reported function after accounting for gait speed. American Geriatric Society Annual Meeting, May 2011.
- J VanSwearingen, J Brach, S Perera, S Studenski. Perceived exertion is associated with daily physical activity after accounting for walking capacity. American Geriatric Society Annual Meeting, May 2011.
- J. Brach, J VanSwearingen, S Perera, S Studenski. Step width variability predicts a decline in daily activity. American Geriatric Society Annual Meeting, May 2011.
- L Julius, JS Brach, DM Wert, JM VanSwearingen. Measuring mobility fatigability in older adults with difficulty walking. American Geriatric Society Annual Meeting, May 2011.
- Wert DM, Brach JS, VanSwearingen JM. The energy cost of walking savings of improving gait biomechanics in older adults with mobility disability. American Physical Therapy Association Combined Sections Meeting, 2011.
- V Hornyak, JS Brach, J VanSwearingen. Informing fall and fear reduction interventions:

- gait, physical and cognitive function and white matter disease by falls and fear of falling status. American Physical Therapy Association Combined Sections Meeting, 2011.
- VanSwearingen JM, Brach JS, Wert D. Change in physical function and functional limitations in older adults with mobility disability: influence of change in self-efficacy. American Geriatric Society Annual Meeting, Orlando, FL, May 2010.
- Wert D, Brach JS, VanSwearingen JM. Does a change in energy cost of walking relate to functional changes in older adults? American Geriatric Society Annual Meeting, Orlando, FL, May 2010.
- Brach JS, VanSwearingen JM, Wert D, Perera S, Chan R, Studenski SA. The impact of fear and confidence on smoothness of walking. American Geriatric Society Annual Meeting, Orlando, FL, May 2010.
- Conti R, Brach J, Wert D, VanSwearingen JM. Self-reported mobility and physical function: responsiveness to intervention-related change in older adults with mobility disability. American Geriatric Society Annual Meeting, Orlando, FL, May 2010.
- Dunlap P, Perera S, VanSwearingen J, Wert D, Brach JS. Transitioning to a narrow path: the impact of fear of falling in older adults. American Geriatric Society Annual Meeting, Orlando, FL, May 2010.
- Hile ES, Zickmund S, VanSwearingen J, Wert D, Brach JS, Studenski SA. Perspectives on mobility and balance among older adults. American Geriatric Society Annual Meeting, May 2010.
- Hoerner RW, III, Brach JS, Wert DW, VanSwearingen JM. Is usual gait speed and indicator of the motor learning ability of older adults? American Geriatric Society Annual Meeting, May 2010
- VanSwearingen JM, Perera S, Rosano C, Aizenstein HJ, Brach JS, Studenski SA. Brain burden influence on outcomes of interventions to improve gait in older adults with mobility disability: a randomized clinical trial. 3rd International Congress on Gait & Mental Function 2010, Washington DC, Feb 2010
- VanSwearingen JM, Rosano C, Aizenstein HJ, Perera S, Studenski SA. Brain imaging and clinical manifestations of subsyndromal gait and cognitive problems in older adults. 3rd International Congress on Gait & Mental Function 2010, Washington DC, Feb 2010.
- Brach JS, VanSwearingen JM, Wert D, Studenski SA. Gait variability during curved path walking in young and old. 3rd International Congress on Gait & Mental Function 2010, Washington DC, Feb 2010.
- Hoerner RW, III, Wert DW, Brach JS, VanSwearingen JM. Backward walking as an indicator of motor learning in the older adults. 3rd International Congress on Gait & Mental Function 2010, Washington DC, Feb 2010.
- Brach JS, VanSwearingen JM, Hornyak V, Hile E, Studenski S. Exploring the role of step width variability in mobility and physical function. American Physical Therapy Association Combined Sections Meeting, San Diego, CA, Feb 2010.

- Hile ES, Brach JS, Perera S, Wert DM, VanSwearingen JM, Studenski SA. Influence of light support on tandem stance in community-dwelling older adults. American Physical Therapy Association Combined Sections Meeting, San Diego, CA, Feb 2010.
- Wert DW, Brach JS, VanSwearingen JM. Meaningful change and responsiveness of psychological outcomes of falling in older adults. American Physical Therapy Association Combined Sections Meeting, San Diego, CA, Feb 2010.
- VanSwearingen JM, Brach JS, Perera S, Wert D, Hile ES, Studenski SA. A randomized trial of gait interventions: effect on confidence, fear, activity and function in older adults with mobility disability. American Physical Therapy Association Combined Sections Meeting, San Diego, CA, Feb 2010.
- Association of Executive Function Domains with Curved and Straight Path Walking. JA Robertson, JM VanSwearingen, D Wert, E Hile, SA Studenski, JS Brach; Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- Validation of a Measure of Smoothness of Walking. J. Brach, D. McGurl, D Wert, J VanSwearingen, S Perera, R Cham, S Studenski; Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- Expectations of Aging and Mobility in Community-dwelling Older Adults. RJ Hess, JM VanSwearingen, D Wert, E Hile, SA Studenski, JS Brach; Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- The Compendium of Physical Activities Underestimates Walking Intensity in Old more so than in Young. Brach JS, Wert D, VanSwearingen JM, Studenski S. Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- Fear of falling, its psychological components and slip-warning induced gait adaptations in older adults with mild mobility impairments. B Coley, EJ Lenze, S Perera, JM VanSwearingen, SA Studenski, RCham; Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- Measuring Self-Perceived Change in Mobility and Balance. Hile E, Perera S, McGurl D, Wert D, Brach J, VanSwearingen J, Studenski S; Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- Energy Cost of Walking Contributes to Physical Function in Older Adults. Wert DM, Brach JS, VanSwearingen J, Am Geriatric Soc Annual Meeting, Chicago, IL, May 2009.
- Poor Peripheral Sensorimotor Nerve Function Is Associated With High Fall Risk. Faulkner KA,¹ Strotmeyer ES,¹ Zivkovic S,¹ Verghese J,² Van Swearingen J,¹ Studenski SA,¹ Cauley JA. Am Soc Bone Muscle Res, 2008.
- Treadmill Walking and Stance Time Variability in Community Dwelling Older Adults, Wert D, Talkowski JB, VanSwearingen JM, Brach JS, APTA Annual Meeting, San Antonio TX, June 2008.
- Measuring Mean VO₂ During Steady State in Older Adults, Wert D, VanSwearingen JM, Brach JS, Am Geriatric Soc Annual Meeting, Washington DC, May 2008
- An RCT to Improve the Energy Cost of Walking. VanSwearingen JM, Perera S, Brach JS, Hile E, Talkowski JB, Huang W, Wert D, Studenski SA, Am Geriatric Soc Annual Meeting, Washington DC, May 2008

- An RCT to Improve Motor Control in Walking Among Older Adults with Step Length Variability. VanSwearingen JM, Brach JS, Perera S, Hile E, Talkowski J, Huang W, Wert D, Studenski SA, Am Geriatric Soc Annual Meeting, Washington DC, May 2008
- Improvements in Gait Biomechanics and Stance Time Variability. Brach JS, VanSwearingen JM, Perera S, Studenski S. Am Geriatric Soc Annual Meeting, Washington DC, May 2008
- Energy cost of abnormal walking for individuals with mild to moderate parkinson's disease. Josbeno, Deborah A.; Pradhan, Sujata; Delitto, Anthony; VanSwearingen, Jessie, APTA Combined Sections Meeting, Memphis, TN, Feb 2008.
- Validation of the Late Life Function and Disability Index (LLFDI) and Gait Efficacy Scale (GES) with Performance Based Measures of Function and Mobility in Older Adults, Talkowski JB, Wert D, VanSwearingen J, Brach JS. APTA Combined Sections Meeting, Memphis, TN, Feb 2008.
- "Delays In Voluntary Step Initiation Are Related To Increased Volume Of White Matter Hyperintensities In Older Adults." Sparto PJ, Aizenstein HJ, VanSwearingen JM, Furman JM, Redfern MS. International Society of Gait and Rehabilitation, Vermont, July, 2007.
- "Energy Cost of Abnormal Walking" VanSwearingen J, Brach J, Studenski S. American Geriatric Society Annual Meeting, Seattle, WA, May 2007
- "Characteristics of Walking, Physical Activity, Fear of Falling and Falls in Community Dwelling Older Adults Based on Residence" Wert D, Talkowski J, Brach J, VanSwearingen J. Am Geriatric Society Annual Meeting, Seattle, WA, May 2007
- "Sensory Impairments and Step Width Variability" Brach JS, VanSwearingen JM, Talkowski JB, Studenski SA. American Geriatric Society Annual Meeting, Seattle, WA, May 2007
- "Values of Stance Time Variability Related to Mobility Disability" Brach JS, Studenski SA, Perera, S, VanSwearingen JM, Newman AB. Combined Sections Meeting, American Physical Therapy Association, Boston, MA, Feb 2007.
- "Classifying Gait Patterns of Older Adults by Movement Control and Biomechanical Factors: Validation by Gait and Physical Performance Measures" Huang, WNW, VanSwearingen J, Perera S, Brach J, Studenski S. Combined Sections Meeting, American Physical Therapy Association, Boston, MA, Feb 2007.
- "Lower & Upper Extremity Task Performance and Physical Function in Individuals with Parkinson's Disease" Josbeno D, Pradhan S, VanSwearingen J, Carvell GE, Delitto A. Combined Sections Meeting, American Physical Therapy Association, Boston, MA, Feb 2007.
- "Automated Facial Image Analysis: Detecting Improvement After Botulinum Toxin A for Abnormal Facial Muscle Activity." Rogers CR, Schmidt KL, VanSwearingen JM, Manders EK, Deleyiannis FWB. Northeastern Society of Plastic Surgery Annual Meeting, Boston, MA, Dec. 1, 2006.
- "Automated Facial Image Analysis: Detecting Change After Botulinum toxin A for Abnormal Facial Muscle Activity." Rogers CR, Schmidt KL, VanSwearingen JM, Manders EK, Deyeliannis FW-B. Clinical and Translational Science Day, University

- of Pittsburgh, Pittsburgh, PA, May 22, 2006.
- “Fall History, Fear of Falling and Physical Activity in Older Adults.” Berlin J, Brach J, Studenski S, VanSwearingen J. American Geriatric Society Annual Meeting, Chicago, IL, May 2006.
- “Recognizing Gait Patterns of Older Adults by Observation: Development of a Gait Classification System.” Huang WNW, VanSwearingen J, Perera S, Brach J, Studenski S. American Geriatric Society Annual Meeting, Chicago, IL, May 2006.
- “Gait Efficiency: Validating an Integrative Measure of Mobility Ability.” VanSwearingen J, Brach J, Berlin J, Hile E, Perera S, Studenski S. American Geriatric Society Annual Meeting, Chicago, IL, May 2006.
- “Stance Time Variability Predicts Incident Walking Disability Independent of Gait Speed.” Brach J, Studenski S, Perera S, VanSwearingen J, Newman A. American Geriatric Society Annual Meeting, Chicago, IL, May 2006.
- “Fear of Falling: Psychological and Gait Constructs.” Cham R, Lenze EJ, Studenski SA, Perera S, VanSwearingen J. Gerontological Society of America Annual Meeting, Washington, DC, November, 2005
- “Skill-based Gait Intervention for Older Adults with Progressive Walking Disability: A Pilot Clinical Trial” VanSwearingen JM, Brach JS, Studenski SA, Hile E, Berlin J, Rao G. American Geriatric Society Annual Meeting, Orlando, FLA, May 2005
- “Extreme Step Width Variability is Related to a Positive Fall History.” Brach JS, Berlin J, VanSwearingen JM, Newman AB, Studenski SA. American Geriatrics Society Annual Meeting, Orlando FLA, May 2005.
- “Assessment of Gait Variability in Older Adults.” Brach JS, VanSwearingen JM, Hile E, Studenski SA. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2005.
- “Reliability of Performance-Based Measures of Impairment and Disability in Women with Osteoarthritis of the Knee.” VanSwearingen JM, Brach JS, Hicks G. American Physical Therapy Association Annual Meeting, Washington DC, June, 2003.
- “Relation of Pathology, Impairment, and Disability in Women with Osteoarthritis of the Knee.” **VanSwearingen JM**, Brach JS, Hicks G. American Physical Therapy Association Annual Meeting, Washington DC, June, 2003.
- “Measurement of Asymmetry in Persons with Facial Paralysis.” Wachtman GS, Cohn JF, Schmidt KL, Liu Y, Henkelmann T, **VanSwearingen JM**, Manders EK. Royal Ivy Society of Plastic and Reconstructive Surgeons, Meeting, June 2002.
- “Measuring physical function in community-dwelling older adults.” **VanSwearingen, JM**, American Physical Therapy Association Annual Meeting, Cincinnati, OH, June, 2002.
- “Identifying early decline of physical function in community-dwelling older adults: Performance-based and self-report measures.” Brach JS, **VanSwearingen JM**, Brach JS. American Physical Therapy Association Combined Sections Meeting, San Antonio, TX, February, 2001.
- “Measuring Exercise Tolerance for the Physical Demands Of Daily Activities Among Community-Dwelling Frail Older Adults.” **VanSwearingen JM**, Brach JS. American Physical Therapy Association Meeting, Indianapolis, IN, June, 2000.

- "Analyzing the Effects of Botulinum Toxin in the Treatment of Facial Synkinesis." Ting J, Wachtman G., Cohn J, **VanSwearingen J**, Manders E. American Society of Plastic and Reconstructive Surgeons, Seattle, WA, May, 2000.
- "Winking and Blinking: Take a Second Look." Manders E, Holland SW, Champagne L, **VanSwearingen J**. American Society of Plastic and Reconstructive Surgeons, Seattle, WA, May, 2000.
- "Automated Tracking of Facial Features in Patients with Facial Neuromuscular Dysfunction." Manders E, **VanSwearingen**, Cohn J, Wachtman G. American Society of Plastic and Reconstructive Surgeons, Seattle, WA, May, 2000.
- "Gold Weight Insertion to Assist Eyelid Closure Reduces Synkinesis during Recovery from Facial Palsy." Manders E, Zewert T, Rossie M, **VanSwearingen J**. American Society of Plastic and Reconstructive Surgeons, Seattle, WA, May, 2000.
- Changes in Facial Movement and Synkinesis With Neuromuscular Reeducation: Support for Neuroplasticity? **VanSwearingen JM**, Brach JS. Combined Sections, Meeting APTA, New Orleans, LA, Feb. 2000
- "Quadricep Muscle Activity in a Sit-To-Stand-To-Sit Task in Community-Dwelling Older Adults", Brach JS, **VanSwearingen JM**, Newman AB, Kriska AM. Combined Sections Meeting, APTA, New Orleans, LA, Feb 1999.
- "Pixel-wise Tracking of Facial Movement by Computer Image processing. Wachtman GS, Cohn JF, **VanSwearingen JM**, Manders EK. Plastic Surgery Research Council, Pittsburgh, PA, May 1999.
- "Assessing The Responsiveness Of The Facial Disability Index To Clinical Change: Is The Patient Better?" **VanSwearingen JM**, Berry MJ, Brach JS. Combined Sections Meeting, American Physical Therapy Association, Seattle WA, Feb, 1999.
- "Predicting Functional Status From Impairment And Disability In Community-Dwelling Frail Older Adults." Brach JS, **VanSwearingen JM**. Combined Sections Meeting, American Physical Therapy Association, Seattle WA, Feb, 1999.
- "Facial Neuromotor Disorders: Recovery of Movement in a Uniquely Motor System" **VanSwearingen JM**, Neuroplasticity Research Retreat, Section on Research, APTA, Newport Rhode Island, August 15-20, 1998.
- "Surface Electromyography: An Early Indicator of Recovery After Facial Reanimation Surgery" Brach JS, **VanSwearingen JM**, Manders E, accepted for presentation at the Twelfth International Society of Electrophysiology and Kinesiology Congress, Montreal, CA, June, 1998.
- "Raising Eyebrows: Relationship Between Muscle Activity and Displacement" Pennock J, **VanSwearingen JM**, Johnson P, accepted for presentation at the Twelfth International Society of Electrophysiology and Kinesiology Congress, Montreal, CA, June, 1998.
- "Examining the Myth of the Smile Muscle" **VanSwearingen JM**, Barry MJ, Brach JS, Manders E, 41st Annual Meeting of the Ohio Valley Society for Plastic and Reconstructive Surgery, Farmington, PA, June 1998.
- "Physical Therapy and Botulinum Toxin as a Treatment for Facial Nerve Disorders: A Case Study" Brach JS, Pennock JD, **VanSwearingen JM**, Manders EK, 41st

- Annual Meeting of the Ohio Valley Society for Plastic and Reconstructive Surgery, Farmington, PA, June 1998.
- "Writer's Cramp to Cursive, Neuromuscular Reeducation in the Treatment of Focal Dystonia: A Case Report" **VanSwearingen JM**, Brach JS, APTA Annual Meeting, Orlando, FL, June,1998.
- "Reliability and Validity of the Barry-Albright Dystonia Scale" Barry MJ, VanSwearingen JM, Albright AL, APTA Annual Meeting, Orlando, FL, June,1998.
- "Not All Facial Paralysis Is Bell's Palsy, Making The Right Diagnosis: A Case Study" Brach JS, **VanSwearingen JM**, submitted for APTA Combined Sections Meeting, Boston, MA, February, 1998.
- "Outcome of Facial Rehabilitation for Individuals with Chronic Facial Muscle Weakness" Brach JS, **VanSwearingen JM**, APTA Annual Meeting, San Diego, CA, June, 1997.
- "Psychological Distress: A Factor Linking Impairment with Disability in Facial Neuromotor Disorders" **VanSwearingen JM**, Cohn J, Turnbull J, Mrzai T, Johnson P, APTA Annual Meeting, San Diego, CA, June, 1997.
- "The Facial Disability Index: Reliability and Validity of a Disability Assessment Instrument for Disorders of the Facial Neuromuscular System" **VanSwearingen JM**, Brach JS, APTA Combined Sections Meeting, Dallas, TX, February, 1997.
- "Depression and Regional Facial Impairment and Disability in Facial Neuromuscular Disorders" Bajaj-Luthra A, **VanSwearingen J**, Johnson PC, Plastic Surgery Research Council, Dallas, TX, February, 1997.
- "Motor Slowness and Aging" Farrell MK, **VanSwearingen JM**, Brach JS, Probst C, APTA Combined Sections Meeting, Dallas, TX, February, 1997.
- "The Relationship between Fitness and Clinical Measures of Physical Performance among Community-Dwelling, Frail Older Veterans" **VanSwearingen JM**, Paschal KP, APTA Annual Meeting, Minneapolis, MN, June 1996.
- "Treatment-based Classification for Individuals with Facial Neuromuscular Dysfunction" Brach JS, **VanSwearingen JM**, North American Facial Therapist Study Group, Canadian Acoustic Neuroma Association Meeting, Vancouver, BC, May 29-30, 1996.
- "Neuropsychology of Facial Expression and Implications for Facial Rehabilitation" **VanSwearingen J**, Brach JS, North American Facial Therapist Study Group, Canadian Acoustic Neuroma Association Meeting, Vancouver, BC, May 29-30, 1996.
- "Facial Neuromuscular Retraining for Oral Synkinesis" Brach JS, **VanSwearingen JM**, Johnson PC, American Society for Peripheral Nerve, Montreal, Canada, October 5-6, 1995.
- "Assessing Fall Risk of Community-Dwelling Frail Older Veterans Using Specific Test of Mobility and the Physical Performance Test of Function", **VanSwearingen JM**, Paschal, KA, WCPT Annual Conference, Washington, DC, June, 1995.
- "Cross Facial Nerve Grafting for Facial Animation: Effect on Normal Hemifacial Motion", Cooper T, McMahon B, Lenert J, Mueller T, **VanSwearingen J**, Brach JS, Kirchner C, Johnson PC. Plastic Surgery Research Council, New York, May 1995.

- "Impairment and Disability in Individuals with Facial Neuromuscular Dysfunction", Brach JS, **VanSwearingen JM**, Delitto A, Johnson PC, APTA Combined Sections Meeting, Reno, NV, February, 1995.
- "Cardiovascular Endurance and Physical Function of Community- Dwelling Frail Older Veterans", Faub, JE, **VanSwearingen, JM**. Delitto, A, Hagberg, J, APTA Combined Sections Meeting, Reno, NV, February, 1995.
- "Isometric Lift-Task Testing as a Component of Pre-Employment Screening", Bianco AJ, **VanSwearingen, JM**, Burdett, RG, APTA Combined Sections Meeting, Reno, NV, February, 1995.
- "Screening for Functional Performance and Fall Risk Among Older Men", **VanSwearingen JM**, Paschal KA, Bonino, P, Gerontological Society of America, Atlanta, GA, November, 1994.
- "Measuring Fatigue Related to Facial Muscle Function", Sokol J, **VanSwearingen JM**, CPA/APTA Annual Conference, Toronto, Ontario, June, 1994.
- "The Modified Gait Abnormality Rating Scale (GARS-M) Distinguishes Between Fallers and Nonfallers Among Community-Dwelling, Frail Older Veterans", **VanSwearingen JM**, Paschal KA, Combined Sections Meeting, APTA, New Orleans, LA (Feb 1994).
- "The Relationship Between the Modified Gait Abnormality Rating Scale (GARS-M) and Gait Characteristics of Community-Dwelling, Frail Older Veterans", Paschal KA, **VanSwearingen JM**, Combined Sections Meeting APTA, New Orleans, LA (Feb 1994).
- "Reliability of the Modified Gait Abnormality Rating Scale", Pennsylvania Physical Therapy Association Annual Meeting, **VanSwearingen JM**, Paschal KA, Sevens Springs, PA, October, 1993.
- "Using a Physical Performance Test to Evaluate the Older Adult with Osteoporosis," Loman C, **VanSwearingen JM**, Combined Sections Meeting, San Antonio, TX 1993.
- "Balance Performance and Step Width Before and After Balance Training in Health Elderly Women," Fu LL, **VanSwearingen JM**, Combined Sections Meeting, San Antonio, TX 1993.
- "Screening and Consultation: The Role of the Physical Therapist in a Geriatric Evaluation and Management Project," **VanSwearingen JM**, Paschal KA, Bonino PD, PPTA Annual Conference, Philadelphia, PA., November, 1992.
- "Temporal Factors in the Development of the pattern of Muscles and Muscle Fiber Types in the Avian Hindlimb," **VanSwearingen J**, Lance-Jones C, (poster presentation) Society for Neuroscience Annual Meeting, Anaheim, CA, 1992.
- "Fate of Early and Late Migrating Muscle Cell Precursors in the Avian Limb," **VanSwearingen J**, Lance-Jones C, Fourth International Conference on Limb Development & Regeneration, Pacific Grove, CA, July, 1992.
- "Changes in Parameters of Cardiovascular Function in Older Women with Exercise Training," **VanSwearingen JM**, Paschal KA, Combined Sections Meeting in San Francisco, CA, 1992.
- "Factors Effecting Response Rates of Non-Institutionalized Elderly Individuals to Mail Surveys," D'Achille RS, **VanSwearingen JM**, Janosky, J, APTA Annual Meeting,

Boston, MA, June, 1991.

"Factors Influencing the Early Development of Muscle Fiber Type Patterns in the Limb,"
VanSwearingen JM, Lance-Jones C, APTA Annual Conference, June, 1990.

"Comparison of Active Range of Motion During Free-Speed Gait in Younger and Older Persons," (poster) Ostrosky K, **VanSwearingen JM**, Burdett R, APTA Annual Conference, Anaheim, CA, June, 1990.

"Influence of Group Exercise on the Flexibility of Older Adults," **VanSwearingen JM**, Paschal KA, APTA Combined Sections Meeting, New Orleans, LA, Feb, 1990.

"Temporal Sequence of Muscle Activity During Transition from Double to Single Limb Support," (poster) Medlin KM, **VanSwearingen JM**, Burdett R, Carvell GE, Furman JM, Redfern M, APTA Combined Sections, New Orleans, February 1990.

"Measuring External Rotation in Varying Degrees of Shoulder Abduction,"
VanSwearingen JM, APTA Annual Conference, Las Vegas, NV, 1988

"Reliability of Isokinetic Endurance Tests," **VanSwearingen JM**, Burdett RG, Research Symposium in Allied Health, Columbus, Ohio, September, 1986.

"Clinical Objective Measurement of Wrist Muscle Strength: the Handheld Dynamometer," **VanSwearingen JM**, Pennsylvania Physical Therapy Association Annual Conference, November, 1985.

"A System for Matching Physical Therapy Students to Clinical Affiliations,"
VanSwearingen JM, American Physical Therapy Association Annual Conference, June, 1985.

"Measuring Wrist Muscle Strength," **VanSwearingen JM**, Pennsylvania Physical Therapy Association Conference, May, 1982.

PRESENTATIONS (Invited):

"Impact of Exercise on Dementia" VanSwearingen JM, Roundtable on Exercise, Parkinson's Disease Research Group, Pittsburgh, PA, June 2007.

"Restoring Skill in Walking: A Motor (re-)Learning Exercise Approach to Improving Walking for Older Adults" VanSwearingen JM, Roundtable on Exercise, Parkinson's Disease Research Group, Pittsburgh, PA, June 2007.

"Assessing Physical Function in Patients with Dementia" VanSwearingen JM. Symposium on "Improving Physical Function in Older Adults with Dementia" American Geriatric Society Annual Meeting, Seattle, WA, May 2007

"Movement Control and Aging" **VanSwearingen JM**, Brach JS, American Physical Therapy Association Annual Meeting, Washington DC, June, 2003

"Using Clinical Constructs in Neurological Decision Making: Making an Anatomic Diagnosis" **VanSwearingen JM** Education Forum: Teaching Clinical Decision Making Skills, Neurology Section of the American Physical Therapy Association, to be presented at APTA Combined Sections Meeting, Boston, MA, February, 2002

"Evidenced-based Assessment of Physical Function in Community-Dwelling Older Adults" **VanSwearingen JM**, Brach JS, APTA Combined Sections Meeting, Los Angeles CA, June, 2001.

- "Principles in Clinical Education: Using Evidence in Practice with Specific Examples in Geriatric Physical Therapy" **VanSwearingen JM**, Brach JS, Ohio Physical Therapy Annual Meeting, Columbus, OH, March, 2001.
- "Exercise: Fit to Live" **VanSwearingen JM**, Adult Interest Center, **VanSwearingen JM** Pittsburgh, PA, July, 2000.
- "Physical Activity and Orthopedic Considerations for the Older Adult" UPMC Senior Sports Medicine Conference, **VanSwearingen JM**, Pittsburgh, PA, May, 2000.
- "Relaxation and Stress Management Through Exercise" **VanSwearingen JM**, Jewish Community Center, Pittsburgh, PA.
- "Facial Neuromotor Disorders: Recovery of Movement in a Unique Motor System" Ear, Nose, and Throat Medical Rounds, **VanSwearingen JM**, University of Pittsburgh, Pittsburgh, PA, December, 1999.
- "Get Fit, Stay Fit, Fit for Life" **VanSwearingen JM**, Friendship Village Senior Housing, Pittsburgh, PA, December, 1999.
- "Physical Therapy for the Older Adult" **VanSwearingen JM**, Governor's School for Excellence, Pittsburgh, July 1998, 1999, 2000
- "Pre Season Training for Older Adults: Getting Fit for Life", **VanSwearingen JM**, Passavant Hospital Medical Education, Pittsburgh, PA, September, 1998
- "The Balancing Act: Getting Your Act Together" **VanSwearingen JM**, Regional Acoustic Neuroma Association Meeting, Pittsburgh, PA, April, 1998.
- "Assessing Outcomes of Exercise Training for Older Adults: More Fit, How Fit, Fit For What" **VanSwearingen JM**, The Western Pennsylvania/Vintage 12th Annual Regional Geriatric Forum. Pittsburgh, PA, March, 1997.
- "Are You Fit Enough to Survive Stress" **VanSwearingen JM**, University of Pittsburgh Medical Center Community Health Lecture Series, May and September, 1996.
- "Face Facts, Facial Rehabilitation Works," **VanSwearingen JM**, Passavant Hospital Medical Education Program, Pittsburgh, PA, December, 1996.
- "Facial Expressions, Movement, and Emotions" **VanSwearingen JM**, Facial Nerve Center Support Group, University of Pittsburgh Medical Center, October, 1996.
- "Cardiopulmonary Aging" and "The Aging Brain", **VanSwearingen JM**, Northeast District, PPTA, Annual Education Conference, Scranton, PA, August 18-19, 1995.
- "Stress and Exercise" and "Physical Therapy for Older Adults", **VanSwearingen JM**, Governor's School of Excellence in the Health Sciences, University of Pittsburgh, July, 1995.
- "Exercise and Aging Successfully" **VanSwearingen JM**, Benedum Geriatric Social Interaction Group, University of Pittsburgh Medical Center, April, 1996.
- "Falls Among the Elderly", **VanSwearingen JM**, Ohio Physical Therapy Association Annual Meeting, Columbus, OH, April, 1995.
- "Basic Sciences Conference: Muscle Physiology," **VanSwearingen JM**, Department of Orthopaedics Grand Rounds, University of Pittsburgh, Pittsburgh, PA, April 1995
- "Fit for Life", A Sense of Well-Being Conference, **VanSwearingen JM**, Allegheny County Dept. of Aging, Pittsburgh, PA, May, 1994.
- "Facing Facts in Rehabilitation," **VanSwearingen JM**, Acoustic Neuroma Association

- Tri-State Chapter Regional Meeting, Beaver Falls, PA, April, 1994.
- "Exercise Prescription for Preventing Osteoporosis," **VanSwearingen JM**, The University Wellness Consortium, University of Pittsburgh, Pittsburgh, PA, April, 1994; May, 1995.
- "Maintaining Strength in the Homebound Elderly," **VanSwearingen JM**, Geriatric Lecture Series, Geriatric Health Services of the University of Pittsburgh Medical Center, Pittsburgh, PA, March, 1994.
- "Exercise: Key to Successful Aging," **VanSwearingen JM**, Thirteenth Annual Conference on Aging, Cambria-Somerset Council For Education of Health Professionals, Inc, Seven Springs, PA, October, 1993.
- "Physical Therapy Interventions with Older Adults," **VanSwearingen JM**, School of Excellence for the Health Care Professions, Pittsburgh, PA, July, 1991, 1997.
- "The Hand, Wrist and Elbow," **VanSwearingen JM**, Musculoskeletal Dissection Anatomy for Clinicians; one-day seminar, Pittsburgh, PA, June 5, 1992.
- "The Nervous System and Aging," Symposium on Aging, **VanSwearingen JM**, Pittsburgh, PA, Jan., 1991.
- "Importance of Physical Exercise for the Renal Patient," **VanSwearingen JM**, National Kidney Foundation of Western Pennsylvania, Oct., 1990.
- "Broadway Series Lecture on Exercise," **Van Swearingen JM**, Vintage, Inc. Annual Run, Keynote Speaker, Pittsburgh, 1990.
- "Clinical Electrophysiology Update," **VanSwearingen JM**, South Hills Home Health System, Pittsburgh, PA, October 1989.
- "Physical Therapy for Older Persons in Long Term Care," **VanSwearingen JM**, Optimizing Function and Preserving Autonomy: Long Term Case Facilities in the 1990s, University of Pittsburgh Geriatric Health Services, Pittsburgh, PA.
- "The Decline and Fall of Older Persons: Effects of Aging on Balance," **VanSwearingen JM**, Current Concepts in Balance, University of Pittsburgh, Pittsburgh May, 1989.
- "Maximizing Health for Older Adults Through Physical Activity," **VanSwearingen JM**, West Penn/Vintage, Inc., Fourth Annual Regional Forum on Geriatric Care, Pittsburgh, PA, March, 1989.
- "So What's New About Treating Older Persons," **VanSwearingen JM**, Southwest Therapy Services, Greensburg, PA, February, 1989.
- "Meeting the Challenge of Assessment and Rehabilitation of the Elderly: Suggestions for Effective Clinical Interaction in the Care of the Elderly," **VanSwearingen JM**, Seventh Annual Conference on Aging, Seven Springs, PA, October, 1987.
- "Exercise Strategies for Promoting Mobility in the Elderly," **VanSwearingen JM**, Seventh Annual Conference on Aging, Seven Springs, October, 1987.
- "Exercise Strategies for Promoting Mobility," **Van Swearingen JM**, Practical Interventions in Geriatrics: Enhancing Quality of Life Through Quality Care, Pittsburgh, PA June, 1987.
- "Summer Shape Up-to Fitness Through Life," **VanSwearingen JM**, Greentree Civic Club Spring Meeting, Pittsburgh, PA May, 1987.

HONORS AND AWARDS:

President's Award, Academy of Geriatric Physical Therapy, APTA, for outstanding service and fostering the mission of Academy, February, 2015
 Excellence in Geriatrics Award, Pennsylvania Physical Therapy Association, Geriatric Special Interest Group, awarded to an outstanding clinician and scholar in the area of geriatric physical therapy, October, 2012
 Jack Walker Award, 2012, article in *Physical Therapy* that best advances the clinical science and impacts practice, American Physical Therapy Association, June, 2012
 Catherine Worthingham Fellow, American Physical Therapy Association, FAPTA, 2008
 Alumni Award, 2001, University of Delaware, Physical Therapy Department, July, 2001.
 Manuscript Reviewer of the Year, 1999, in recognition of outstanding contributions to *Physical Therapy*, Journal of the American Physical Therapy Assoc, June, 2000.
 Excellence in Neurology Award, Pennsylvania Physical Therapy Association, Neurology Special Interest Group, awarded to an outstanding clinician and scholar in the area of neurological physical therapy, October, 1999.
 Community Champion Award, 16 years volunteer service to Bethlehem Haven Shelter for Homeless Women, TCI & Pittsburgh Post-Gazette, Nov 1998, Pittsburgh, PA
 Fourth Annual Mentor Award, Survival Skills and Ethics Program, University of Pittsburgh, April 1998.
 Health Care Hero Award: Health Care Provider, Non-Physician Category, Pittsburgh Business Times, December, 1997.
 Chattanooga Research Award for the Best Article on Clinical Research Published in *Physical Therapy* in 1996, (article: VanSwearingen JM, Brach JS. The Facial Disability Index: Reliability and Validity of a Functional Assessment Instrument for Disorders of the Facial Neuromuscular System. *Phys Ther* 1996;76:1288-1300.)
 Health Care Heroes Award, Finalist - Health Care Provider Category, Pittsburgh Business Times, December, 1996.
 NIA, Summer Institute on Research in Aging (selected participant), 1995
 Superior Performance Achievement Award, for Patient Care Services, Geriatric Evaluation and Management Program, VAMC-Pittsburgh, 1995
 Sigma Xi, University of Pittsburgh Chapter, 1994
 Center for Neuroscience, University of Pittsburgh Travel Award 1991
 Research Award, Southwestern District, PPTA, 1988
 Service Award, St. Clair Hospital, 1983
 Research Presentation Award, Pennsylvania Physical Therapy Association, 1982
 Mary McMillan Scholar, American Physical Therapy Association, 1978
 Bailey Memorial Award, University of Delaware, 1978
 Mortar Board and Phi Kappa Phi, 1977
 H. Rodney Sharp Scholar, University of Delaware, 1974-1978

PROFESSIONAL INTERESTS AND SPECIALTIES:

Geriatrics, Movement Control and Neuromotor Function
 Facial Neuromuscular Disorders,

Physiological Basis for Exercise in Health, Repair and Recovery of Function

COMMUNITY SERVICES AND ACTIVITIES:

Board of Directors, Vintage, Inc, 1994-2000

Professional Advisory Committee, Visiting Nurse Association of Pittsburgh, 1985-2000

PA /WV Geriatrics Society Committee on Education, 199-2007

Mathilda Theiss Health Center

Central Blood Bank / Institute for Transfusion Medicine - Platelet donor

Bethlehem Haven, Pittsburgh, PA (1982-2001)

JVS/2013