

CURRICULUM VITAE

Gregory F. Marchetti PT, M.S., Ph.D., CPE
107 Rangos School of Health Sciences
600 Forbes Ave
Pittsburgh, PA 15282
Department of Physical Therapy,
Duquesne University

Education:

Doctor of Philosophy,
University of Pittsburgh, Graduate School of Public Health, Department of Epidemiology
Pittsburgh, PA
Epidemiology of Non-Communicable Disease
August 2003

Master of Science
University of Pittsburgh, School of Health and Rehabilitation Sciences
Pittsburgh, PA
Rehabilitation Sciences
April 1994

Bachelor of Science
University of Maryland at Baltimore, School of Medicine
Baltimore, MD
Physical Therapy
August 1983

Licensure Information:

Number PT-001159-E, Commonwealth of Pennsylvania, Physical Therapist Classification
Number DAPT003637, Commonwealth of Pennsylvania, Direct Access Authorization -PT

Certifications (eg, ABPTS):

Certificate, Distinguished Certified Professional Ergonomist credential by the Board of
Certification in Professional Ergonomics 2016-present

Certified Ergonomic Assessment Specialist Levels I, II,III, credentialed by Back School of
Atlanta, 2013-Present

Certified Workers Compensation Health Provider, credentialed by International Sports
Professionals Association. 2012-Present

Employment and Positions Held:

Academic Appointments

Professor

Duquesne University, Rangos School of Health Sciences,
Department of Physical Therapy Pittsburgh PA

March 2021-Present

Associate Professor

Duquesne University, Rangos School of Health Sciences,
Department of Physical Therapy Pittsburgh PA

March 2008-Present

Assistant Professor

Tenure Stream

Duquesne University, Rangos School of Health Sciences,
Department of Physical Therapy Pittsburgh PA

September 2003-2008

Instructor

Duquesne University, Rangos School of Health Sciences,
Department of Physical Therapy
Pittsburgh PA

August 2001 to August 2003

Assistant Program Chair

Assistant Professor

Tenure Stream

Graduate Program in Physical Therapy, Slippery Rock University
Slippery Rock, PA

August, 2000 to August 2001

Instructor in Physical Therapy

Non-tenure Stream

School of Health and Rehabilitation Sciences, University of Pittsburgh,
Pittsburgh PA

March 1991 to March 2000

Other Academic Appointments

Adjunct Assistant Professor

University of Pittsburgh, School of Medicine
Department of Otolaryngology

Pittsburgh, PA

November 2005-present

Adjunct Assistant Professor
University of South Florida, School of Medicine
Transitional Doctor of Physical Therapy Program
Tampa, FL.
September 2011 to 2015

Adjunct Assistant Professor
University of Montana
Transitional Doctor of Physical Therapy Program
Billings, MT
September 2010 to 2015

Lecturer
Chatham College
Department of Physical Therapy
Transitional Doctor of Physical Therapy Program
Pittsburgh, PA
January 2004 to 2012

Non-Academic Work

Consulting Certified Professional Ergonomist
ErgoSmart LLC
Pittsburgh, PA
January 2013 to present

Outcomes Assessment Analyst
WebOutcomes, Inc.
Chattanooga, TN
July 2013 -2018

Clinical Physical Therapist
Risk Management/Quality Improvement Committee Member
Catholic Charities Health Care Center
Pittsburgh PA
January 2011 to Present

Data Analyst and Statistical Consultant
GO Consulting, Inc.
Timonium, MD
June 2011-Present

Assistant Director of Physical Therapy
Department of Rehabilitation Medicine, Pittsburgh Veterans Affairs Health System
Pittsburgh, PA

June 1993 to March 2000

Senior Staff Physical Therapist
Department of Rehabilitation Medicine, Pittsburgh Veterans Affairs Health System
Pittsburgh, PA
March 1991 to June 1993

Director of Physical Therapy
Greater Pittsburgh Rehabilitation Hospital
Monroeville, PA
September 1987 to March 1991

Staff and Senior Staff Physical Therapist
Rehabilitation Institute of Chicago,
Chicago, IL
May 1986 to September 1987

Staff and Senior Staff Physical Therapist
York Rehabilitation Hospital,
York, PA.
August 1983 to May 1986

Peer Reviewed Publications:

Low C, Bartel C, Fedor J, Durica K, Marchetti G, Rosso A, Campbell C.
Associations between performance-based and patient-reported physical functioning and real-world mobile sensor metrics in older cancer survivors: A pilot study, *Journal of Geriatric Oncology*, Volume 15, Issue 2, 2024,

Penna J, Ali H, Berkner P, Stephenson K, Marchetti G. Patterns of Concussion Reporting Intent in Division III College Athletes, *Journal of Community Medicine and Public Health Reports* 2023. Volume 4 Issue 01.

Type, Dose, and Outcomes of Physical Therapy Interventions for Unilateral Peripheral Vestibular Hypofunction: Protocol for a Systematic Review. *Systematic Reviews*, accepted 6/23, in press.

Dunlap PM, Alradady FA, Costa CM, Delitto A, Terhorst L, Sparto PJ, Furman JM, Marchetti GF, Staab JP, Chueh J, Whitney SL. The Psychometric Properties of the 9-Item Vestibular Activities Avoidance Instrument. *Phys Ther.* 2023 Jul 17:pzad094. doi: 10.1093/ptj/pzad094. Epub ahead of print. PMID: 37459243.

Alsubaie SF, Whitney SL, Furman J, Marchetti GF, Sienko KH, Sparto. Rating of Perceived Difficulty Scale for Measuring Intensity of Standing Balance Exercises in Individuals with Vestibular Disorders *Journal of Vestibular Research* 32 (2022) 529–540

LaCross JA, Borello-France D, Marchetti GF, Turner R, George S. Physical Therapy Management of Functional Constipation in Adults Executive Summary: A 2021 Evidence-Based Clinical Practice Guideline From the American Physical Therapy Association's Academy of Pelvic Health Physical Therapy. *Journal of Women's Health Physical Therapy* Volume 46 • Number 3 • July/September 2022

Leonard BT; Kontos A, Marchetti GF, Zhang M, Eagle SR, Reeher HM, Bensinger ES, Snyder VC, Holland CL, Sheehy CK, Rossi EA. Fixational eye movements following concussion *Journal of Vision* December 2021, Vol.21, 11.

Kontos AP, Eagle SR, Marchetti G, Sinnott A, Mucha A, Port N, Ferris LM, Elbin RJ, Clugston JR, Ortega J, Broglio SP, McAllister T, McCrea M, Pasquina P; CARE Consortium Site Investigators, Brooks A, Buckley T, Mihalik J, Miles C, Collins MW. Discriminative Validity of Vestibular Ocular Motor Screening in Identifying Concussion Among Collegiate Athletes: A National Collegiate Athletic Association-Department of Defense Concussion Assessment, Research, and Education Consortium Study. *Am J Sports Med.* 2021 Jul;49(8):2211-2217.

Dunlap PM, Sparto PJ, Marchetti GF, Furman JM, Staab JP, Delitto A, Klatt BN, Whitney SL. Fear Avoidance Beliefs Are Associated With Perceived Disability in Persons With Vestibular Disorders. *Phys Ther.* 2021 Sep 1;101(9)

Eagle SR, Ferris LM, Mucha A, Sinnott A, Marchetti G, Trbovich A, Port N, Clugston J, Ortega J, Collins MW, Broglio SP, McAllister T, McCrea MA, Pasquina P, Kontos AP, Investigators CC. Minimum detectable change and false positive rates of the vestibular/ocular motor screening (VOMS) tool: an NCAA-DoD care consortium analysis. *Brain Inj.* 2021 Nov 10;35(12-13):1563-1568.

Elbin RJ, Eagle SR, Marchetti GF, Anderson M, Schatz P, Womble MN, Stephenson K, Covassin T, Collins MW, Mucha A, Kontos AP. Using change scores on the vestibular ocular motor screening (VOMS) tool to identify concussion in adolescents. *Appl Neuropsychol Child.* 2021 Apr 24:1-7.

Daley C, Marchetti GF, Ruane M. Injury Prevention for Conductors: Risk Factors, Exercise Interventions, and Ergonomic and Curricular Considerations. *The Choral Scholar* 58(3), 7–25. 2021

Alghwiri AA, Almhdawi KA, Marchetti G. Are fatigue scales the same? A content comparison using the International Classification of Functioning, Disability and Health. *Mult Scler Relat Disord.* 2020 Nov;46:102596. doi: 10.1016/j.msard.2020.102596. Epub 2020 Oct 21. PMID: 33296990.

Phillips C, Marchetti G. Use of statistics in the clinical setting. Monograph for APTA Geriatrics Section. <https://aptageriatrics.org>

Tiwari D, Alsalaheen B, Yorke A, Goldberg A, Marchetti GF. Pediatric Physical Therapy Measurement Properties of the Dizziness Handicap Inventory-Children and Adolescent

(DHI-CA) in children and adolescents post-concussion. *Pediatr Phys Ther.* 2020 Oct;32(4):382-388. doi: 10.1097/PEP.0000000000000741. PMID: 32925816.

Alsalaheen B, Carender W, Grzesiak M, Munday C, Almeida A, Lorincz M, Marchetti GF. Changes in Vestibular/Ocular-Motor Screen Scores in Adolescents Treated With Vestibular Therapy After Concussion. *Pediatr Phys Ther.* 2020 Oct;32(4):331-337.

Whitney SL, Eagle SR, Marchetti G, Mucha A, Collins MW, Kontos AP; CARE Consortium Investigators. Association of acute vestibular/ocular motor screening scores to prolonged recovery in collegiate athletes following sport-related concussion. *Brain Inj.* 2020 May 11;34(6):840-845.

Womble, M, Mcallister-Deitrick J, Marchetti GF, Reynolds, E, Collins, MW, Elbin, RJ, Kontos, AP. Risk factors for vestibular-oculomotor outcomes following concussion. *Clinical Journal of Sports Medicine.* Accepted February 2019, Epub June 2019, doi: 10.1097/JSM.0000000000000076.

Alsubaie S, Whitney SL, Furman JM, Marchetti GF, Sienko KH, Sparto PJ. Reliability and Validity of Ratings of Perceived Difficulty During Performance of Static Standing Balance Exercises. *Physical Therapy.* 2019; 99 (10): 1381-1393.

Whitney SL, Ellis J, Otis L, Marchetti GF. A multidimensional exercise program in the home for older adults designed to improve function. *Home health care management and practice.* 2019; 31(3): 147-154.

Alsubaie SF, Marchetti GF, Whitney SL, Sienko KH, Furman JF, Sparto PJ Reliability of Postural Sway Measures of Standing Balance Tasks. *Journal of Applied Biomechanics.* 2019; 35(1):11-19.

Kontos A, Elbin RJ, Sufrinko A, Marchetti GF, Holland C, Collins M. Recovery following Sport-related Concussion: Integrating Pre- and Post-Injury Factors into Multidisciplinary Care. *Journal of Head Trauma Rehabilitation.* 2019; 34(6):394-401.

Tiwari D, Goldberg A, Yorke A, PT, Marchetti, GF, Alsalaheen B. Characterization of Cervical Spine Impairments in Children and Adolescents Post-Concussion. *International Journal of Sports Physical Therapy.* 2019; 14(2): 282-296.

Whitney SL, Marchetti GF, Jacob RG and Furman JF Measurement of space and motion discomfort in persons with vestibular disorders. *Physical Therapy and Rehabilitation.* 2018; 5(18): 5-18.

Downey PA, Perry SB, Marchetti GF, Thompson DP. Use of a fracture prevention screening algorithm predicts self-reported falls in postmenopausal women. *Physiotherapy Theory and practice.* 2018; 36(1): 1-8.

Alsalaheen B, Stockdale K, Pechumer D, Broglio SP, Marchetti GF A Comparative Meta-Analysis of the Effects of Concussion on a Computerized Neurocognitive Test and Self-Reported Symptoms. Journal of Athletic Training. 2017; 52(9): 834-846.

Sufrinko, A, Mucha, A, Covassin, T, Marchetti, G, Elbin, RJ, Collins M, Kontos AP. Sex Differences in Vestibular/Ocular and Neurocognitive Outcomes After Sport-Related Concussion. Clinical Journal of Sports Medicine. 2017; 27(2):133-138.

Asiri FY, Marchetti GF, Ellis JL, Otis L, Sparto PJ, Walzlaf V, Whitney SL. Effect of home-based rehabilitation on activities of daily living and gait in older adults with heart failure at risk for falling: A retrospective cohort study. Physiotherapy Theory Practice. 2017; 33(12): 943-953.

Alghwiri A, Marchetti GF. Occupational Back Pain Among Schoolteachers in Jordan: Estimated Prevalence and Factors Associated with Self-Reported Pain and Work Limitations. Journal of Occupational Safety and Ergonomics. 2018; 24: 341-346.

Surfinco, A, Henry LC, Elbin RJ, Collins MW, Marchetti GF, Kontos AP Using acute performance on a comprehensive neurocognitive, vestibular, and ocular motor assessment battery to predict recovery duration following sport-related concussion. American Journal of Sports Medicine. 2017; 45(5): 1187-1194.

Almohiza, MA, Sparto PS, Whitney SL, Furman JM, Marchetti GF. A Quality Improvement Project in Balance and Vestibular Rehabilitation and Effects on Clinical Outcome Measures. Journal of Neurological Physical Therapy. 2016; 40(2): 90-99.

Henry LC, Elbin RJ, Collins MW, Marchetti GF, Kontos AP. Examining Recovery Trajectories Following Sport-related Concussion Using a Multi-Modal Clinical Assessment Approach. Neurosurgery. 2016; 78(2): 232-41.

Whitney SL and Marchetti GF. Cross-cultural adaptation and measurement properties of the Arabic version of the Fall Efficacy Scale International. Neurosciences. 2015; 20(3): 230-235.

Lin CC, Roche J, Steed D, Musolino, Marchetti G, Furman G, Redfern M, Whitney S. Test-retest Reliability of Postural Stability on Two Different Foam Pads. Journal of Nature and Science. 2015;(2): e43.

Whitney SL, Marchetti GF, Ellis J, Ottis L, Asiri F, Algahri A. The effect of specific fall risk identification and intervention on ADL function in patients receiving home-based rehabilitation services. Home Healthcare. 2015; 33(5): 265-74.

Alsalaheen B, Whitney SL, Marchetti GF, Furman JM, Kontos A, Collins M, Sparto PJ. Relationship between Cognitive Assessment and Balance Measures in Adolescents referred for Vestibular Physical Therapy after Concussion. Clinical Journal of Sports Medicine. 2016; 26(1): 46-52.

Schreiber JM, Marchetti G, Racicot B, Kaminski E. The use of a knowledge translation program to increase use of standardized outcome measures in an outpatient pediatric physical therapy clinic: an administrative case report. *Physical Therapy*. 2015; 95(4): 613-29.

Mucha A, Collins MW, Elbin RJ, Furman JF, Troutman-Enseki C, DeWolf RM, Marchetti GF, Kontos A. A Brief Vestibular and Ocular Motor Screening (VOMS) Assessment to Evaluate Concussion: Preliminary Findings *The American Journal of Sports Medicine*. 2014; 42(10): 2479-2485.

Asiri FY, Marchetti GF, Ellis JL, Otis L, Sparto PJ, Watzlaf V, Whitney SL. Predictors of Functional and Gait Outcomes for Persons Poststroke Undergoing Home-based Rehabilitation. *Journal of Stroke and Cerebrovascular Disorders*. 2014; 23(7): 1856-64.

Alsalaheen B, Sparto PS, Whitney SL, Furman JM, Marchetti GM, Kontos AS, Collins MW. Performance of Functional Gait and Balance Measures in High School Adolescents. *Journal of Pediatric Physical Therapy*, 26(2), 2014, 191-199.

Khalid A. Alahmari, Patrick J Sparto. Marchetti GF, Furman JM, Whitney SL. Estimating Postural Control with the Balance Rehabilitation Unit: Measurement Consistency, Accuracy, Validity, and Comparison with Dynamic Posturography. *Archives of Physical Medicine and Rehabilitation*. 2014; 95(1): 65–73.

Marchetti GF, Whitney SL. Responsiveness and Minimal Detectable Change (MCD) for the Dynamic Gait Index and Functional Gait Index in Patients with Balance and Vestibular Disorders. *Journal of Neurological Physical Therapy*. 2014; 38(2):119-24.

Khalid A. Alahmari, Patrick J Sparto. Gregory F. Marchetti, Mark S. Redfern, Joseph M. Furman, Susan L. Whitney Comparison of Virtual Reality Based Therapy with Customized Vestibular Physical Therapy for the Treatment of Vestibular Disorders. *IEEE Transactions on Neural Systems & Rehabilitation Engineering*. 2014; 22(2): 389-99.

Marchetti GF, Bellanca J, Whitney SL, Lin JC, Musolino MC, Furman GR, Redfern MS. The development of an accelerometer-based measure of human upright static anterior-posterior postural sway under various sensory conditions: Test-retest reliability, scoring and preliminary validity of the Balance Accelerometry Measure (BAM). *Journal of Vestibular Research*. 2013; 23(4-5): 227-35.

Furman G, Lin CC, Roche JL, Marchetti GM, Collins M, Whitney SL. Comparison of the Balance Accelerometry Measure and Balance Error Scoring System in Adolescent Sports Concussion. *American Journal of Sports Medicine*. 2013; 41(6): 1404-1410.

Whitney SL, Marchetti GM, Ellis J, Otis L. The relationship between cognition and gait performance in older adults receiving physical therapy interventions in the home. *Journal of Rehabilitation Research and Development*. 2013; 50 (8): 1089-1098.

Mohammad MT, Furman JM, Sparto PJ, Marchetti GF, Whitney SL. The effect of optotype size

and velocity parameters on the performance of healthy young adult subjects on the gaze stabilization test, *Otology & Neurotology*. 2013 Aug; 34(6): 1090-1095.

Rine RM, Schubert M, Whitney S, Roberts D, Redfern M, Musolino M, Roche J, Steed D, Corbin B, Lin C, Marchetti G, et al. Vestibular Function Assessment Using the NIH Toolbox. *Neurology*. 2013; 80(11 Suppl 3): S25-31.

Whitney SL, Marchetti GF, Ellis J, Otis L. Balance changes in older adults receiving home care services. *Journal of Geriatric Physical Therapy*. 2013; 36: 3-12.

Salazinski A, Krohn K, Lewis s, Holland M, Ireland K, Marchetti G. The Effects of Group Cycling on Gait and Pain-Related Disability in Individuals with Mild to Moderate Knee Osteoarthritis: A Randomized Controlled Trial. *Journal of Orthopedic and Sports Physical Therapy*. 2012; 42(12): 985-995.

Algwhiri AA, Baker, CB Furman JM, Marchetti GF, Rogers JC, Sparto PJ, Whitney SL. The Development and Validation of the Vestibular Activities and Participation (VAP) Measure. *Archives of Physical Medicine and Rehabilitation*. 2012; 93(10): 1822-31.

Mohammad MT, Whitney SL, Marchetti GF , Sparto, PJ, Ward BK, and Furman JM. The reliability and response stability of dynamic testing of the vestibulo-ocular reflex in patients with vestibular disease *Journal of Vestibular Research* 2011; 21 (2): 277–288.

Algwhiri AA, Baker, CB Furman JM, Marchetti GF, Rogers JC, Sparto PJ, Whitney SL. Content comparison of self-report measures used in vestibular rehabilitation based on the international classification of functioning, disability and health (ICF). *Physical Therapy*. 2011; 91(3): 346-357.

Schreiber J, Marchetti, GF, Bengler, J, Reed, L. Parent Perspectives on Rehabilitation Services for Families & Their Children with Lifelong Disabilities: A Mixed Methods Investigation, *Physical & Occupational Therapy In Pediatrics*, 2011; 31(3): 1-14.

Whitney SL, Marchetti GF, Roche JL, Lin C, Steed DP, Musolino MC, Redfern MR. A comparison of an accelerometry device and computerized dynamic posturography: A new possible measure of vestibulospinal function. *Gait Posture*. 2011; 33(4): 594-599.

Marchetti GF, Whitney SL, Redfern MS, Furman, JM Factors Associated with Balance Confidence in Older Adults with Health Conditions Affecting the Balance and Vestibular System. *Archives of Physical Medicine and Rehabilitation*. 2011; 92: 1884-1891.

Ward, BK, Mohoammed MT, Whitney SL, Marchetti GF, Furman JW, The Reliability, Stability, and Concurrent Validity of a Test of Gaze Stabilization. *Journal of Vestibular Research*. 2010; 20(5): 363-372.

Schreiber J, Stern P, Marchetti, G, Provident I. Strategies to Promote Evidence-Based Practice in Pediatric Physical Therapy: A Formative Evaluation Pilot Project. *Physical Therapy*. 2009; 89 (9): 918-933.

Schreiber J, Stern P, Marchetti, G, Provident I, Sammarone-Turocy P. School-Based Pediatric Physical Therapists' Perspectives on Evidence-Based Practice. *Journal of Pediatric Physical Therapy*. 2008; 20: 292–302.

Whitney SL Marchetti GF, Pritcher MR, Furman JM. Gaze stabilization and gait performance in vestibular dysfunction. *Gait & Posture*. 2008; 29(2): 194-198.

Pritcher MR, Whitney SL, Marchetti GF, Furman JM. The influence of age and vestibular disorders on gaze stabilization. [Otology and Neurotology](#). 2008; 29 (7): 982-988.

Marchetti GF, Whitney SL, Blatt PJ, Morris LO. Temporal and spatial changes in characteristics of gait in persons with vestibular dysfunction. *Physical Therapy* 2008; 85(5): 650-651.

Maretta, B, Whitney SL, Marchetti GF, Sparto PS. The responsiveness of the Five-Times-Sit to stand test in persons with balance disorders. [Journal of Vestibular Research](#). 2007; 16(5): 233-243.

Whitney SL, Marchetti GF, Sparto PJ, Morris LO. Reliability and validity of the four-square step test in persons with balance deficits secondary to vestibular disorder. *Archives of Physical Medicine and Rehabilitation*, *Archives of Physical Medicine Rehabilitation* 2007; 88(1): 99-104.

Marchetti GF, Whitney SL. The Construction and validation of the 4-item Dynamic Gait Index. *Physical Therapy* 2006; 86(12): 1651-1666.

Perry SB, Marchetti GF, Wagner S, Wilton W. Predicting Caregiver Assistance Required for Sit-to-Stand Following Rehabilitation for Acute Stroke. *Journal Neurological Physical Therapy*. 2006;30(1): 2-11.

Whitney SL, Marchetti GF, Schade A, Wrisley DM. The relationship between self-reported falls and dynamic posturography in patients with vestibular disorders. *Archives of Physical Medicine and Rehabilitation*. 2006; 87(3):402-7.

Whitney SL, Marchetti GF, Brown K, Furman JM Physical therapy for central vestibular dysfunction. *Archives of Physical Medicine and Rehabilitation*. 2006; 87(1): 76-81.

Whitney SL, Wrisley DM, Marchetti GF, Gee MA, Redfern MS, Furman JM The Clinical Measurement of Sit to Stand Performance in People with Balance Disorders: The validity of the five times sit to stand test. *Physical Therapy*. 2005; 85 (10):1034-45.

Whitney SL, Marchetti GF, Morris, LO. The Usefulness of the Dizziness Handicap Inventory in the Screening for Benign Paroxysmal Positional Vertigo. *Otology and Neurotology* 2005; 26: 1027-1033.

Marchetti GF, Whitney SL. Older adults and Balance Dysfunction. *Neurological Clinics of North America*. 2005; 23(3):785-805.

Wrisley DM, Marchetti GF, Kuharsky DK, Whitney SL. Reliability, internal consistency and validity of data obtained with the functional gait assessment. *Physical Therapy*. 2004; 84(10): 906-918.

Whitney SL, Marchetti GF, Schade A, Wrisley DM. The sensitivity and specificity of the timed “up and go” and the dynamic gait index for self-reported falls in persons with vestibular disorders. *Journal of Vestibular Research*, 2004; 14(5): 397-409.

Schreiber J, Marchetti G, Crytzer T. The implementation of a six-week community fitness program for children with disabilities. *Pediatric Physical Therapy*. 2004;16(3): 173-179.

Whitney S., Furman J, Wrisley D, Marchetti G. The effect of age on vestibular rehabilitation outcomes. *Laryngoscope*. 2002; 112 (10): 1785-1790.

Moetti P, Marchetti G. Clinical outcomes from mechanical intermittent cervical traction for the treatment of cervical radiculopathy: a case series. *Journal of Orthopedic and Sports Physical Therapy*. 2001; 31(4): 207-213.

Whitney S., Hudak M, Marchetti G. The dynamic gait index relates to self-reported fall history in individuals with vestibular dysfunction. *Journal of Vestibular Research*. 2000; 10 (2): 99-105.

Augustine M, Eagleton K, Graham D, Story S, Sullivan W, Koontz C, Marchetti G, Tepper S., Accuracy of the ankle-brachial pressure measurement by physical therapists and physical therapy students. *Journal of Cardiopulmonary Physical Therapy*. 2000; 11(3).

Whitney S., Hudak M, Marchetti G. The activities-specific balance confidence scale and the dizziness handicap inventory: A comparison. *Journal of Vestibular Research-Equilibrium and Orientation* 1999; 9 (4): 253-259.

Peer Reviewed Scientific and Professional Presentations:

Daley C , Marchetti GF. Musculoskeletal Pain/Discomfort in Musical Conductors: Functional Limitations and Use of Personal and Curricular Prevention Strategies APTA CSM 2023 2/23

Social Determinants of Health and Social Vulnerability: How Individual and Community Factors Influence Physical Therapy Outcomes in a Public Hospital System APTA CSM 2023, 2/23

Clinical Practice Guideline Functional Lower Gastrointestinal Disorders: Constipation. APTA CSM 2023, 2/23

Fear Avoidance Beliefs are Associated with Future Perceived Dizziness-related Handicap among Individuals with Vestibular Disorders.
APTA CSM 2023, 2/23

Daley C, Marchetti. Musculoskeletal Injuries in conductors. American Choral Directors Association Research Symposium, April 2022

Albrecht TJ, Mehmel BM, Eagle SR, Leonard BT, Marchetti GF, Zhang M, Reecher HM, Bensinger ES, Snyder V, Holland CL, Rossi EA, Collins MW, Kontos AP (2022, April). Changes in Fixational Eye Movement (FEMs) Following Concussion. 10th Annual Sports Concussion Symposium and Meeting of the Sports Neuropsychological Society, Dallas, TX, April 2022.

Dunlap PM, Marchetti GF, Sparto PS, Staab J, Furman JM, Delitto A, Whitney SL. "The Predictive Validity of the 9-Item Vestibular Activities Avoidance Instrument
XXXI Bárány Society Meeting, May 2022

Dunlap PM, Marchetti GF, Sparto PS, Staab J, Furman JM, Delitto A, Whitney SL The Reliability and Validity of the 9-Item Vestibular Activities Avoidance Instrument APTA CSM February, 2022

Berkner PD, Penna JW, OMS-III⁰¹, Ali H, OMS-III⁰¹, Jewell D, Marchetti GF, Haley, Driscoll HT, Herrmann L. Pluralistic Ignorance in Concussion Reporting Among Student-Athletes. Pediatric Research Society in Sports Medicine (PRISM) Annual Meeting, January 2022, Houston, TX.

Dunlap PM, Sparto PS, Furman JM, Marchetti G, Staab JP, Delitto A, Whitney SL. The Effects of Anxiety and Depression on Function in Persons with Vestibular Disorders. Platform presentation at the American Physical Therapy Association Combined Sections Meeting, Denver, CO, Feb 13-15, 2020.

Abstract published in J Neurol Phys Ther. 2020 Jan;44(1):106-118. PubMed PMID: 31834224.

Whitney SL, Ellis J, Otis L, Marchetti G. A novel physical therapy exercise program for older adults in their home. World Conference for Physical Therapy, Geneva Switzerland, May 2019 (poster presentation)

Kontos AP, Monti K, Thomas E, Holland C, Thomas D, Mucha A, Sparto P, Whitney SL, Marchetti G, Furman J, Collins MW. Emerging evidence for the Vestibular Ocular Motor Screening tool in Special Operations Forces personnel. Poster presentation at the Special Operations Medical Association Scientific Assembly. Charlotte, NC May 18, 2019 (poster presentation)

Tiwari D, Alsalaheen B, Yorke A, Goldberg A, Marchetti GF. Characterization of Cervical Spine Impairments in Children and Adolescents Post Concussion
APTA CSM, January 2019, Washington DC.

Abstract published in the conference proceedings

Alshebber K, Sparto PJ, Marchetti GF, Staab JP, Furman JM, Whitney SL. Internal validation of the vestibular avoidance instrument (VAAI), Poster presentation, American Physical Therapy Association Combined Sections Meeting; 2018 Feb 22-24; New Orleans, LA

Abdulaziz S, Landgraff N, Marchetti GF, Skidmore E, Sparto PJ, Whitney SL. The Lawton Scale as a predictor of discharge destination in patients with stroke undergoing rehabilitation, American Physical Therapy Association Combined Sections Meeting; 2018 Feb 22-24; New Orleans, LA

Alsubaie S, Marchetti GF, Whitney SL, Sienko KH, Furman JM, Sparto PJ. Quantifying the Intensity of Balance Exercises. 6th World Congress on Physiotherapy and Rehabilitation, November 12, 2018, Dubai, UAE (platform presentation)

Whitney, SL, Marchetti GF, Mucha A, Collins, Kontos, AP. Empirical Evidence for Concussion: From Risk Factors to Treatment National Concussion Symposium, Croke Park, Ireland, October, 2018

Whitney, SL, Marchetti GF, Mucha A, Collins, Kontos, AP. Does the Vestibular/Ocular Motor Screening (VOMS) Tool Predict Recovery in Collegiate Athletes? 30th Bárány Society Meeting, Uppsala, Sweden, June, 2018.

Dunlap P, Alshebber, KM, Sparto, PJ, Marchetti, GF, Staab, JP, Furman, JM, Whitney, SL The reliability and validity of the Life Space Assessment to measure mobility in persons with vestibular disorders 30th Bárány Society Meeting, Uppsala, Sweden, June 2018.

Alshebber, KM, Sparto, PJ, Marchetti, GF, Staab, JP, Furman, JM, Whitney, SL Internal Validation of the Vestibular Activities Avoidance Instrument. APTA CSM New Orleans LA, February 2018.

Kontos A, Sufrinko A, Cohen P, Marchetti G, French J, Elbin RJ, Elbin, Collins M. Acute Cognitive and Vestibular/Ocular-Motor Outcomes Predict Protracted Recovery from Sport Concussion. Association for Applied Sports Psychology, Phoenix AZ, October 2016

Devereaux T, Zions N, Watzlaf V, Marchetti G, Engberg S, Parmanto B, Bonenberger S, Perry A. Condition-Specific SBARs Effect on Transfers, Hospitalizations, and 30-Day Readmissions From Long-Term Care to Acute Care
American Medical Directors Association, The Society for Post-Acute and Long-Term Care Medicine Annual Conference Orlando FL, 2016

Kontos AP, Collins MW, Mucha A, Sufrinko A, Womble M, McAllister J, Elbin RJ, Furman J, Troutman-Enseki C, Reeves V, Holland C, Marchetti G, Reynolds E. (2016, August). Vestibular/Ocular Motor Screening: Evidence for an Emerging Tool to Augment Current mTBI Assessments. Poster presented at the Military Health System Research Symposium, Kissimee, FL. *1st Place- Best Research Poster Award*. 2016.

Alshebbber, KM, Sparto, PJ, Marchetti, GF, Staab, JP, Furman, JM, Whitney, SL. The Development and Validation of the Activities Avoidance Measure for People with Vestibular and Balance Disorders. Combined Sections Meeting, Anaheim CA, February 2016.

Alsubaie, S F, Fear D, Whitney S, Furman J M, Sienko K H, Marchetti G F, Sparto P J. Validating Ratings of Perceived Difficulty for Balance Exercises APTA Combined Sections Meeting, Anaheim CA, February 2016.

Kontos AP, Marchetti GF, Henry L, Elbin RJ. A Comprehensive Comparison of Recovery Curves following Sport-related Concussion in Males and Females. American College of Sports Medicine Annual Meeting, May 2015, San Diego CA.

Carender, W, Sabourin, P, Schreiber J; Marchetti G, Alsalaheen, B. Variability of Vestibular Rehabilitation Outcomes Based on Patient's Perceptions of Symptoms and Functional Limitations: A Qualitative Case Report CSM 15, Indianapolis IN.

Asiri FY, Marchetti, GF, Ellis J, Otis L, Whitney SL. Improvement in Activities of Daily Living Function in Patients with Heart Failure Receiving Home-based Rehabilitation: A Retrospective Cohort Study. APTA Combined Sections Meeting, Indianapolis IN, February, 2015

French JE, Mucha A, Covassin T, Sufrinko A, Marchetti G, Elbin RJ, Collins MW, & Kontos AP (2015, February). Sex Differences in Vestibular/Oculomotor, Balance, Symptoms, and Neurocognitive Outcomes in Adolescents following Sport-related Concussion Poster presented at Big Sky Athletic Training Conference, February 2015 Big Sky, MT.

Gordon J and Marchetti GF. Vertigo, nausea, and headache after mild blast-induced traumatic brain injury: A case report of rehabilitation with persistent complicating symptoms APTA CSM 2014

Asiri FY, Marchetti GF, Ellis JL, Otis L, Sparto PJ, Watzlaf V, Whitney SL. Predictors of functional and gait outcomes for persons with Parkinson's Disease undergoing home-based rehabilitation. APTA CSM 2014

Marchetti GF. Evidence-Based Physical Therapy Care for Spine Pain American Society of Regional Anesthesiology Research: November 2014, San Francisco, CA

Marchetti GF. Physical Therapy Management Strategies for Axial and Radicular Pain: Efficacy and Appropriate Orders for Treatment. American Society of Regional Anesthesiology Research: November 2014, San Francisco, CA

Marchetti GF. Chronic Pain and Rehabilitation: Social, Psychological, Physical Therapy, and Emotional Factors American Society of Regional Anesthesiology Research: November 2014, San Francisco, CA

Marchetti, GF, Asiri FY, , PT, Ellis J, Otis L , Whitney SL. Improvement in Activities of Daily Living Function in Patients with Heart Failure Receiving Home-based Rehabilitation: A Retrospective Cohort Study. APTA Combined Sections Meeting, San Diego CA, January 27, 2013

Asiri FY, Marchetti, GF, Ellis J, Otis L , Whitney SL. Predictors of functional outcomes (OASIS-C) for patients after stroke undergoing home-based rehabilitation. . APTA Combined Sections Meeting, San Diego CA, January 27, 2013

Lin CC , Whitney SL, Sparto P, Furman JM, Loughlin P , Redfern, Marchetti G, Sienko K. The effect of vibrotactile feedback on reaction times during dual-task balance performance in different age groups. APTA Combined Sections Meeting, San Diego CA, January 27, 2013

Alsalaheen, B, Whitney SL , Sparto P Furman, JM, Kontos AP, Collins, MW, Marchetti, GM Relationship between neurocognitive assessment and balance measures at the initiation of vestibular physical therapy after mild traumatic brain injury. APTA Combined Sections Meeting, San Diego CA, January 27, 2013

Whitney SL, Marchetti GF, Lin C, Roche JL, , Steed DP, Musolino MC, Redfern MR Is there a relationship between gait scores (speed, Functional Gait Assessment, Dynamic Gait Index) and Balance Accelerometry Measure (BAM) scores in persons with and without vestibular disorders?" Meeting of the Association for Research in Otolaryngology. San Diego, CA February 25-29, 2012

Lin C, Whitney SL, Marchetti GF, Roche JL, , Steed DP, Musolino MC, Redfern MR. A Comparison of the Balance Accelerometry Measure (BAM) and the Balance Error Scoring System (BESS) in Persons with and without Concussion. Combined Sections Meeting, Chicago, IL. Feb, 2012

Alghwiri, AA, Baker, CB Furman JM, Marchetti GF, Rogers JC, Sparto PJ, Whitney SL. The Development and Validation of the Vestibular Activities and Participation (VAP) Measure. Combined Sections Meeting, Chicago, IL. Feb 12, 2012

Asiri F, Marchetti GF, Ellis JL, Otis L, Whitney SL. Australian therapy outcome measures by physical therapists in a home-care setting: Subscale selection and association with diagnostic category. World Confederation of Physical, Therapy, Amsterdam, June 21, 2011.

Alahmari K, Whitney SL, Sparto PJ, Marchetti GF, Furman JM. Exploring the use of virtual reality technology as an intervention in vestibular rehabilitation. World Confederation of Physical Therapy, Amsterdam, June 22, 2011.

Alghwiri AA, Whitney SL, Baker CE, Sparto PJ, Marchetti GF, Rogers JC, Furman JM. The Development of the Vestibular Activities and Participation (VAP) Measure Using the Delphi Technique. Combined Sections Meeting, New Orleans, Feb 12, 2011

Whitney SL, Marchetti GF, Ellis J, Otis L. Balance changes in older adults receiving home care services. Combined Sections Meeting, New Orleans, Feb 12, 2011

Marchetti GF, Whitney SL, Furman JM. Comorbidity associated with dizziness/imbalance in older adults seen in a tertiary care management setting: Prevalence estimates and comparison with community dwelling American population values. Combined Sections Meeting, New Orleans, Feb 12, 2011.

Lin CC, Whitney SL, Roche JL, Steed DP, Marchetti GF, Furman GR, Musolino MC, Redfern MS. Age-related Postural Sway Changes During Balance Tasks Using the Balance Accelerometry Measure (BAM) in Healthy Adults. Combined Sections Meeting, New Orleans, Feb 12, 2011.

Mohammad M, Whitney SL, Sparto PJ, Marchetti GF, Furman JM. The effect of optotype parameters on the performance of healthy young subjects on the gaze stabilization test. Combined Sections Meeting, New Orleans, Feb 12, 2011.

Marchetti G, Linehan A, Baker H, White J, Beatty K. Ergonomic analysis of exposures in the food service industry: A case report. Combined Sections Meeting, New Orleans, Feb 12, 2011

Schreiber, J, Marchetti, GF, Bengler, J, Reed, L Measuring perception of care in outpatient pediatric rehabilitation services: Internal consistency, internal structure validity and item analysis of the 20-item Measure of Processes of Care (MPOC 20) APTA 2010, Boston, MA.

Moetti P, Marchetti G. Effectiveness of the Saunders Home Cervical Trac Unit Compared with a Standard Over-the-Door Pulley System in Patients with Cervical Radiculopathy: A Randomized Clinical Trial APTA 2010, Boston, MA.

Algwhiri, AA, Baker, CB Furman JM, Marchetti GF, Rogers JC, Sparto PJ, Whitney SL The development of the vestibular activities and participation (VAP) measure using the delphi technique. 2010 North American Collaborating Center Conference on the International June 23 and 24, 2010, at the William H. Natcher Conference Center on the campus of the U.S. National Institutes of Health

Whitney SL, Lin C, Steed DP, Marchetti GF, Redfern MS, The relationship between accelerometer scores, age, and status (patient versus control) during standing. International Conference of the Baranay Society, August 2010, Reykjavik Iceland.

Lin C, Steed DP, Marchetti GF, Redfern MS, Whitney SL Accelerometry as a measure of vestibulospinal function: Test-retest reliability and relationship to computerized dynamic posturography. Association for Research in Otolaryngology, March 2010, Anaheim, CA

Algwhiri, AA, Baker, CB Furman JM, Marchetti GF, Rogers JC, Sparto PJ, Whitney SL Content comparison of vestibular rehabilitation quality of life measures based on the International Classification of Functioning, Disability, and Health (ICF)

APTA Combined Sections Meeting, February 2010, San Diego CA.

Marchetti GF, Lin, CC, Whitney SL. Responsiveness and minimal clinically important difference for the Dynamic Gait Index and Functional Gait Assessment in measuring gait performance in patients with balance and vestibular disorders. APTA Combined Sections Meeting, February 2010, San Diego, CA.

Alghwiri A, Marchetti G, Whitney SL. Content comparison of vestibular rehabilitation quality of life measures based on the International Classification of Functioning, Disability, and Health (ICF). APTA Combined Sections Meeting, February 2010, San Diego, CA.

Whitney S, Redfern M, Lin CC, Roche J, Steed D, Marchetti G, Furman G, and Musolino M. Accelerometry as a measure of vestibulospinal function: Test-retest reliability and relationship to computerized dynamic posturography. Association for Research in Otolaryngology, Midwinter research Meeting, February 2010, Anaheim, CA.

Whitney SL, Marchetti GF, Ellis JL, Otis L, The Relationship Between cognition and gait performance in older adults undergoing physical therapy interventions in various settings International Gait and Mental Function Conference, February 2010, Washington DC

Lin C, Steed DP, Marchetti GF, Redfern MS, Whitney SL The use of an accelerometer to determine vestibulospinal function: The NIH Toolbox Project, American Society for Biomechanics Annual Conference, State College PA, August 2009

Whitney SL, Marchetti GF, Casselbrant ML, Mandel EM, Kurs-Lasky M, Furman JM The Relationship of the Peabody Developmental Motor Scale to Sensory Organization Test Scores in 4-6-Year-Old Children, APTA National Conference 2009, Baltimore, MD, June 2009

Marchetti GF, Whitney SL, Furman JM, and Jacob R. Discriminative Properties of the Situational Characteristic Questionnaire. Association for Research in Otolaryngology, Midwinter research Meeting, February 2009, Baltimore MD

Mohammad M, Whitney S, Ward B, Marchetti G, Furman J. The reliability and stability of dynamic testing of the vestibulo-ocular reflex in patients with vestibular disease. Association for Research in Otolaryngology, Midwinter research Meeting, February 2009, Baltimore MD

Marchetti GF, Whitney SL. Responsiveness of clinical measures of balance, gait and self-reported disability to rehabilitation in persons with vestibular system disorders. APTA Combined Sections Meeting, February 2009, Las Vegas NV.

Euype S, Marchetti GF. Case report of cervicogenic dizziness using an orthopedic physical therapy approach. APTA Combined Sections Meeting, February 2009, Las Vegas NV.

Marchetti G and Whitney SL. Measuring change in persons with balance and vestibular disorders. Annual conference of the American Physical Therapy Association, 2008, San Antonio, Texas.

Whitney SL and Marchetti GF. Measuring change in persons with balance and vestibular disorders. Annual conference of the American Physical Therapy Association, San Antonio Texas, June 2008.

Whitney SL, Marchetti GF The use of virtual reality for vestibular rehabilitation. XXth Conference of the Barany Society, Kyoto Japan, March, 2008.

Whitney SL, Marchetti GF and Wrisley D. The functional gait assessment identifies vestibular disorders and reduced balance confidence. XXth Conference of the Barany Society, Kyoto Japan, March, 2008.

Lewis S, Marchetti G, Salacinski, A. Holland M, Ireland, K, Krohn K. The Effects of Spinning® Group Cycling on Pain, Gait Velocity and Quality of Life in Persons with Mild to Moderate Knee Osteoarthritis: A Randomized-controlled Trial. Platform presentation, Conference of the American College of Rheumatology, November 2007, Boston MA.

Whitney SL, Marchetti GF, Furman J. The relationship between balance disorders and gaze stability in persons with and without balance disorders due to vestibular dysfunction. Accepted for presentation Annual Conference American Audiology Association, 2007, Denver CO.

Whitney SL, Marchetti GF, Furman J. The relationship between gaze stability and functional mobility in persons with and without balance disorders due to vestibular dysfunction. Poster presentation International Conference Association for Research in Otolaryngology, February, 2007, Denver, CO.

Whitney SL, Marchetti GF, Sparto PJ. The older adult with dizziness: diagnosis and management. Instructional presentation, APTA CSM February 2007, Boston MA.

Marchetti GF, Whitney SL, Blatt PJ, Morris LO. Temporal and spatial changes characteristics of gait in persons with vestibular dysfunction. Platform presentation, APTA CSM February 2007, Boston, MA.

Marchetti GF, Fortunato A, Prendergast JM. Temporal and spatial characteristics of divided attention-task gait performance in community dwelling older adults. Poster presentation, APTA CSM February 2007, Boston MA.

Whitney SL, Marchetti GF, Jacobs R. Validation of Part II of the Situational Characteristics Questionnaire, Conference of the Barany Society, Stockholm Sweden, June 2006

Whitney SL, Marchetti GF, Jacobs R. Space and motion discomfort in persons with vestibular disorders. APTA National Conference, Orlando Florida, June 2006

Curinga D M, Warco, M A, Marchetti G F. Ergonomic Assessment of a Dental Hygienist, Analysis and Intervention. APTA Combined Sections Meeting, San Diego California, February 2006

Marchetti G, Hodges M, Brown R, Lonesky T, Krohn K. Test-retest reliability, external structure validity and responsiveness of gait parameters for older adult females walking at preferred and maximum velocity. APTA Combined Sections Meeting, San Diego California, February 2006

Marchetti G, Whitney SL. The five-item dynamic gait index: Development and Testing. APTA Combined Sections Meeting, San Diego California, February 2006

Whitney SL, Marchetti GF. The usefulness of the dizziness handicap inventory to screen for benign positional vertigo. XVIII International Federation of Science in Otolaryngology World Congress, Rome, Italy, June 2005.

Whitney SL, Marchetti GF. The usefulness of the dizziness handicap inventory to screen for benign positional vertigo. Pennsylvania Academy of Otolaryngology-Head and Neck Surgery 2005 Annual Scientific Meeting, Pittsburgh PA, June 2005.

Marchetti GF. Case Report: Ergonomic analysis of an alto saxophonist with playing-related pain. APTA Combined Sections Meeting, New Orleans, LA, February, 2005.

Marchetti G, Furman J, Redfern M, Whitney S. Associations with Balance Confidence in Older Adults with Vestibular Dysfunction. APTA Combined Sections Meeting, New Orleans, LA, February, 2005.

Perry SB, Marchetti GF, Wagner SM, Wilton W, Breisinger TP The Effect of Impairment Reduction on Sit-to-Stand Function in Acute Stroke. APTA Combined Sections Meeting, Nashville TN, February 2004

Marchetti G, Cauley J, Furman J, Newman A, Redfern M, Whitney S, Wisniewski S. The Effect of Falls on Quality of Life in Older Adults with Vestibular Dysfunction. APTA Combined Sections Meeting, Nashville TN, February 2004

Marchetti G, Cauley J, Furman J, Newman A, Redfern M, Whitney S, Wisniewski S. Risk Factors for Falls and Recurrent Falls in Older Adults with Signs and Symptoms of Vestibular Dysfunction. APTA Combined Sections Meeting, Nashville TN, February 2004

Brown KE, Whitney SL, Wrisley DM, Marchetti GF, Furman JM; The Influence Of Physical Therapy Intervention On Patients With Central Symptoms Of Dizziness And Imbalance. APTA Combined Sections Meeting, Nashville TN, February 2004

Whitney SL, Marchetti G, Wrisley D, Furman J. Validation of Five Times Sit to Stand in Persons with Vestibular Disorders. Conference of the Association for Research in Otolaryngology, February 2003

Marchetti G, Whitney SL. Falls and fall-related injuries in older adults with vestibular dysfunction.: Prevalences and Descriptions. APTA Combined Sections Meeting, Tampa, FL, February 2003

Wrisley D, Marchetti G, Kuharskey D, Whitney SL. The Reliability of the Vestibular Gait Assessment. APTA Combined Sections Meeting, Tampa, FL, February 2003

Perry SB, Wagner SM, Wilton W, Breisinger TP, Marchetti G. Relationship between sit to stand and selected impairments in patients with acute stroke. APTA Combined Sections Meeting, Tampa, FL, February 2003

Schreiber J, Marchetti G, Crytzer T. The implementation of a 6-week community fitness program for children with disabilities. APTA Combined Sections Meeting, Tampa, FL, February 2003

Whitney SL, Marchetti GF, Schade A. The timed up-and go and reported falls in persons with vestibular disorders. Barany Society Meeting, Seattle, Washington September 2002

Whitney SL, Marchetti GF, Schade A. Posturography and relationship to falling persons with vestibular disorders. Barany Society Meeting, Seattle Washington, September 2002

Palmer J, Ostriker K, Marchetti G. How Physical Therapists Use Indicators of Inappropriate Illness Behavior and Organic Pathology in Deciding Functional Outcomes for a Case of Low Back Pain, APTA National Conference, Cincinnati OH, June, 2002.

Foss, MB, Swain J, Walter JL, Jenny MH, Marchetti G. Relationship between measures of abdominal strength and balance in adults over 60 years old, APTA National Conference, Cincinnati, OH, June, 2002.

Whitney S., Furman J, Wrisley D, Marchetti G. The effect of age on vestibular rehabilitation outcomes. Association for Research in Otolaryngology Conference, Orlando, Florida, February 2002.

Hudak M, Marchetti GF, Snyder TE. External Predictive Validity of Purposeful Reach in Community Dwelling Older Adults. Conference proceedings for APTA Combined Sections Meeting, Boston MA, February 2002

Marchetti GF, Hudak M, Snyder T.E Test-Retest Reliability and Internal Structure Validity Evidence for Purposeful Reach in Assisted Living Older Adults. APTA Combined Sections Meeting, Boston MA, February 2002

Current Funded/In Review Grant Activity:

Co-investigator: WOMEN'S HEALTH SECTION AMERICAN PHYSICAL THERAPY ASSOCIATION. Clinical Practice Guideline Development: Functional Lower Gastrointestinal Disorders: Constipation. 2016-2023, \$19,000

Co-Investigator: Duquesne University Faculty Development Fund :Using Wearable Sensors to Establish Digital Biomarkers of Physical Function in Cancer Survivors 2022, \$10,000, 2 years

Co-Investigator: Pittsburgh Pepper Center Pilot Study Funding. Continuous Real-world Sensing of Frailty and Function in Older Cancer Survivors 2022, \$10,000, 2 years

Current/Active Research Activity:

Real world physical function and clinical performance in cancer survivors: pilot study data collection underway. NIH proposal in preparation, manuscript accepted 1/24.

Type, Dose, and Outcomes of Physical Therapy Interventions for Unilateral Peripheral Vestibular Hypofunction: Protocol for a Systematic Review. Collaborative study with Army-Baylor University, University of Michigan, Emory University, Rochester Institute of Technology, University of Pittsburgh, East Tennessee State University. Formal systematic review proposal submitted for publication after reviewer revisions.

Management of critically ill pediatric clients in the home. Collaborative project with Aveanna Healthcare. The purposes of this collaboration are to: 1) identify clinical factors (health condition, functional status) that influence potential response to skilled intervention and patient outcome as defined by physiologic status and physical performance measures employed during assessment, reassessment and discharge; 2) Identify key skilled care planning and intervention considerations to improve resource stewardship with intent of optimizing patient experiences and outcomes. Data use agreement with Duquesne University submitted to University legal, IRB in preparation.

Prehabilitation Interventions for Solid Tumor Cancers: Multistage project in collaboration with DU school of nursing. Scoping review in progress with goals of eventual clinical trial to develop strategies to improve function for patients undergoing treatment for cancer.

Musculoskeletal Injuries in conductors. Collaborative study with Duquesne University School of Music. One manuscript published, second study in data collection/analysis, manuscript presentation; One national platform presentation at American Choral Directors Association Research Symposium:

Vestibulo-ocular, Neuropsychological, exertional and postural control recovery after Mild Traumatic Brain Injury: Ongoing collaborative project with University of Pittsburgh Department of Engineering and Department of Medicine. See manuscripts section for publications.

Accelerometry measurement balance deficits in athletes after mild traumatic brain injury. Collaborative study with Colby College; Manuscript in review.

Pluralistic ignorance in reporting of concussion injuries. Collaborative study with University of New England. Data analysis and manuscript in progress. One national presentation completed

Activities Avoidance Associated with Dizziness and Imbalance. Collaborative project with University of Pittsburgh and Mayo Clinic. See manuscripts and presentations for outcomes. Abstract submitted for CSM 2023.

Social Determinants of Physical Therapy Outcomes in an Underserved Population. Collaborative study with Texas Women's University. Data collection completed, analysis in progress, abstract submitted for CSM 2023

Type, Dose, and Outcomes of Physical Therapy Interventions for Unilateral Peripheral Vestibular Hypofunction: Protocol for a Systematic Review. Collaborative study with Army-Baylor University, University of Michigan, Emory University, Rochester Institute of Technology, University of Pittsburgh, East Tennessee State University

Physical activity in older adults post-cancer treatment. Collaborative study with Duquesne School of Nursing, University of Pittsburgh Department of Psychology and Cancer Institute.

Membership in Scientific/Professional Organizations:

American Physical Therapy Association,
Neurology Sections (1983), Communications Committee Chair, 1998-2000.
Orthopedic Sections (1987-90)
Geriatric Section (2001)
Section on Hand Rehabilitation (2004)

Association for Research in Otolaryngology (2006-Present)

International Association for Study of Pain (2011-present)

Board of Certification in Professional Ergonomics (2016-present)

American Congress of Governmental Industrial Hygienists (2016 to present)

Barany Society, (2018 – Present)

Consultative and Advisory Positions Held:

Consulting Certified Professional Ergonomist
ErgoSmart LLC
Pittsburgh, PA
January 2013 to present

Community Service:

Catholic Charities of Pittsburgh Free Health Care Center (2010-present)
Manager and Provider of Physical Therapy Services to those without health insurance
Quality Improvement and Risk Management Committee: Co-authored procedure for intimate partner violence screening.

Research Consultant, Standing and Osteoporosis Project. Day School, The Children's Institute of Pittsburgh, June 2005-July 2006.

Geriatric Research and Intervention Program, Board of Directors Member (2009-2012)

Blackridge Civic Association: Fundraising, Event planning and participation: 12 hours, July 2008.

H.E.A.R.T. Counseling and Educating Traumatized Children, Board of Directors (non-profit organization), August 2007 to June 2008

Monastery of the Discalced Carmelite Nuns of Loretto, PA: Volunteer consulting in monastery infirmary, direct patient consultation, obtain and donate orthoses, books, exercise programs. March 2003 to 2019

Services to the University/College/School on Committees/Councils/Commissions:

University-wide

Provost's ad-hoc committee for student grade appeal process (2017-2018)

Faculty conduct review committee (2019)

Faculty Handbook Review Committee (2020-2021)

School

Rangos Diversity and Inclusion Committee (2020-Present)

Search Committee Diversity Liaison (2021-Present)

Department

Assistant Chair (2021-Present)

Matriculation Exam Committee (2008-2014)

Curriculum Review Committee (2014-present)

Faculty Search Committees (2015-Present)

Professional

Department of Defense review panel (2016): research grant proposals on neurocognitive outcomes after combat-related traumatic brain injury

Manuscript Reviewer

Gait and Posture, 2012-Present

Journal of Neurological Physical Therapy, 2008-Present

Journal of Vestibular Research, October 2006 - Present

Journal of the American Physical Therapy Association, January 2005 – Present.

Editorial Board Member Editorial Board, Journal of Neurological Physical Therapy, 2012-Present

Continuing Education Attended: list ONLY courses taken **within the last five (5) years** that **specifically relate** to responsibilities in the entry-level program.

Child Abuse Recognition Training: University of Pittsburgh, Colibri Healthcare, 2020, 2022.
Remote Ergonomic Assessment Education, Practicum and Certification, Back School of Atlanta I and II, 2021
Pain Neuroscience Education, OPTP, 2020
Using Imaging to Your Advantage, Lower extremity and spine, ContiuED, 2018
Optimizing Lower Extremity Strength for the Masters Runner, Physical Therapy.Com, 2020.
Maximizing Performance in Recreational and Competitive Athletes over 50, Physical Therapy.Com, 2020
Diagnostic Imaging of the Spine, Parts 1 and 2 Physical Theraopy.com, 2020
Using Imaging to Your Advantage: The Upper Extremity and Differential Diagnosis, Physical Theraopy.Com, 2020.
Geriatric Medical Screening for the Rehab Professional, Physical Theraopy.com, 2020
Adult Medical Screening for the Rehab Professional, Physical Theraoy.com, 2020
Mechanism-based Assessment and Clinical Reasoning for Persistent Pain, 2020.
What Should I Do? An Ethical and Legal Approach to Scenarios Experienced in Clinical Practice, PPTA, 2020
Medical Imaging in Geriatric Physical Therapy, Part 1 and 2 (Musculoskeletal and Neurological); APTA, 2021
Essentials of Performing Arts Medicine, PAMA, 2021
Pre-participation Screening Tool for Dancers, Instrumentalists, Vocalists and Actors, PAMA 2021.
The Performing Artist: Injury Prevention and Rehabilitation for the Musician and Dancer, Duquesne University, 2021.
KNOWLEDGE-TO-ACTION: MOVING CLINICAL RESEARCH INTO PRACTICE, JOURNAL CLUB Joseph Schreiber PT PhD FAPTA 2021
When the Pain Won't Go Away: Persistent Pain Management, MedBridge, 2020
Pain Peculiarities in Everyday Life, MedBridge 2020
The "How-To" of Teaching Patients about Pain, MedBridge, 2020
Engaging Patients in Multimodal Pain Care Plans, APTA, 2020.
Social and Cultural Constructs of Pain, MedBridge, 2020.
Warning Signs for the Perception of Pain, MedBridge, 2020.
The Neuroscience of Sprains, Strains, Pain and Sports Performance, MedBridge 2020
Ethics for Physical Therapy and Occupational Therapy Professionals, MedBridge, 2022
Pelvic Pain Applications in Rehabilitation, MedBridge 2022.
Medical Screening and Clinical Decision Making, MedBridge, 2022.
Differential Diagnosis & Screening: Introductory Concepts, Cardiovascular & Respiratory, MedBridge 2022.
Medical Screening and Clinical Decision Making, MedBridge 2022.

Current Teaching Responsibilities in the Entry-Level Program for Academic Year of Site Visit:

Courses as Primary Faculty:

PHYT 570: Ergonomic and Environmental Interventions, Summer Semester, Fifth Year (3 Credit Hours)

PHYT 625: Physical Therapy Administration and Leadership, Fall Semester, Sixth Year (3 Credit Hours)

PHYT 601: Differential Diagnosis in Physical Therapy, Fall Semester Sixth Year (2 Credit Hours)

PHYT 436: Psychology of Illness and Disease, Spring Semester, Fourth Year (3 Credit Hours, 10% contribution)

PHYT 605: Cardiopulmonary Disorders, Fall Semester Sixth Year (3 Credit Hours, 5 % contribution)

PHYT 508: Examination Methods, Summer Semester Fourth Year (3 Credit Hours, 10% contribution)

PHYT 462: Special Topics in Geriatrics, Summer Semester, Fifth Year (2 Credit Hours, 10% contribution)