

CURRICULUM VITAE

Carrie A Barrett, PT, DPT, NCS

4442 CHHS Building
1903 W. Michigan Ave
Doctor of Physical Therapy Program
Western Michigan University
Kalamazoo, MI 49008
(262) 949- 6919

Educational Degree (completed):

Doctor of Physical Therapy
University of Shenandoah – Winchester, VA
Awarded: August 2011

Master of Physical Therapy
University of Wisconsin – Madison, WI
Awarded: December 2007

Bachelor of Science
University of Wisconsin – Milwaukee, WI
Clinical Laboratory Sciences and Medical Technology Awarded: May 1995
Awarded: May 1995

Educational Degree (ongoing):

PhD-Interdisciplinary Health Sciences
Western Michigan University – Kalamazoo, MI
Pending- anticipated graduation May 2024

Physical Therapist Licensure Information:

State of Michigan: # 5501019117
State of Wisconsin: # 10953-024

Professional Certifications:

Neurology Certified Specialist
American Board of Physical Therapy Specialties
Awarded: June 2015

Credentialed Clinical Instructor
American Physical Therapy Association (APTA)
Awarded: 2011

Employment and Positions Held: from most recent to earliest

Academic:

Western Michigan University
Assistant Professor, DPT program
Kalamazoo, MI
July 2019 - present

Western Michigan University
External Contract Instructor – DPT program
Kalamazoo, MI
September 2018-June 30 2019

Bryant & Stratton College
Adjunct Professor for PTAP230 Neurology and Neuromuscular Rehabilitation
Wauwatosa, WI
June 2017 – December 2018

Shenandoah University
Contract Mentor PT848—SU Doctor of Physical Therapy
Winchester, VA
February 2012 - present

Clinical:

Neurologic Physical Therapist
Pro bono services – self-employed
Kalamazoo, MI
July 2019- present

Physical Therapy Supervisor
SSMH Dean Medical Group Therapy Services
Janesville, WI
November 2012 - May 2019

Physical Therapist
SSMH Dean Medical Group Therapy Services
Janesville, WI
January 2008 – May 2019

Peer Reviewed Journal Publications:

Leard T, **Barrett C**. Successful Management of Severe Unilateral Lower Extremity Lymphedema in an Outpatient Setting. *Phys Ther*. 2015 Sep; 95:1295-306.

Whitehead MT, Guffey JS, **Barrett CA**. Ramsay Hunt Syndrome: Case Report of a Multifaceted Physical Therapy Intervention. *J Yoga Phys Ther*. 2012 May; 2:115.

Peer Reviewed Journal Submissions (Pending):

Barrett C, Hoover D. Multiple Canal Benign Paroxysmal Positional Vertigo in an Elderly Patient with Labyrinthine Concussion: A Case Report. *Physiotherapy Theory and Practice*. 2020 June.

Research ongoing:

IRB approved:

Barrett C, Santos A, Belz M, Robichaud T. Power wheelchair access and procurement in Kalamazoo- Mixed Methods Design. 2020

IRB preparation phase:

Physical Therapist Perception on Adults with Concussion in Michigan- Survey; 2020

Participatory Action Research (PAR) in the wheelchair service provision in the United States. Date proposal submitted to the IRB: September, 2020. Affiliate professors: Dr. Teresa Plummer, OTR/L, PhD- Belmont University and Dr. Leslie Jackson, OTR, DOT, PT, DPT –Indiana Wesleyan University

International Poster Publications and Published Abstracts:

Barrett CA, Hoover DL. Multiple Canal Benign Paroxysmal Positional Vertigo in an Elderly Patient with Labyrinthine Concussion: A Case Study. *Brain Inj*. 2019;33(S1):179-180, DOI: 10.1080/02699052.2019.1608749

Barrett CA, Hoover DL. The Post Concussion Symptom Scale May Exhibit a Ceiling Effect in Women with Post Concussion Syndrome: A Case Series. *Brain Inj*. 2019;33 (S1): 187-188, DOI: 10.1080/02699052.2019.1608749.

Funded Grant Activity, submission status denied:

Danna-dos-Santos A., Jackson DY, **Barrett C**. (2019). Development of an objective and multidimensional method to assess fall risk on elderly citizens. Proposal to Faculty Research and Creative Activities Award (FRACAA) at Western Michigan University.

Date proposed: 1/17/2019

Role: Co-PI

Amount Requested: 10,000.00

Danna-dos-Santos A., **Barrett C.** (2019). Development of a clinical tool for the recognition of early signs of Parkinson's disease (PD) development. Proposal to Faculty Research and Creative Activities Award (FRACAA) at Western Michigan University.

Date proposed: 1/17/2019

Role: Co-PI

Amount Requested: 10,000.00

Danna-dos-Santos A., **Barrett C.** (2019). Rapid screening of mild traumatic brain injury (mTBI) in student athletes and veterans. Proposal to Faculty Research and Creative Activities Award (FRACAA) at Western Michigan University.

Date proposed: 1/17/2019

Role: Co-PI

Amount Requested: 10,000.00

Membership in Scientific/Professional Organizations:

Member, APTA (2005-present)

Member, WPTA (2004-2019)

Member, APTA Neurology Section (2016-present)

Member, Vestibular Special Interest Group (2018-present)

Member, Seating and Wheeled Mobility, Special Interest Group (2018-present)

Member, Traumatic Brain Injury, Special Interest Group (2018-present)

Member, MPTA (2019-present)

Member, Clinician Task Force (2020-present)

Consultative and Advisory Positions Held:

Clinician Task Force, Lead Physical Therapist in Subgroup- Seating and Wheeled mobility/Complex Rehabilitation Technologies Curriculum in the Universities. July 2020

Reviewer for The International Journal of Exercise Science, 2018-present

Community Service:

Faculty Lead for National PT month, student/faculty collaborative fundraiser for Arc Youth Shelter. Nov 2019

Firefly 5 K - Faculty leader for WMU staff/students- raising funds for youth who are homeless and families in crisis. Aug 2019

Parkinson's Half Marathon/5K/1 mile – Team leader for raising funds and exercise participation for Wisconsin Parkinson's Disease Association, Cottage Grove, WI 2016- 2018

“Community Baby Shower” – organized contributions to families in need, Janesville, WI 2016- 2018

Farmer’s Market – organized therapy team for health and wellness booth, Janesville, WI August 2017, June 2018

60 Plus Expo – organized therapy team to promote health and wellness in elderly community, Janesville, WI, May 2018 and May 2015

“The Giving Tree” – organized contributions to high school students who are homeless, Janesville, WI December 2016, December 2017

WPTA Health and Wellness Expo – pro bono balance screening, Madison WI Feb 2014

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

University:

Volunteer, Bronco Bash, recruitment and health promotion table representing CHHS, DPT program. Aug 2019.

College:

Member, CHHS-Diversity and Inclusion Committee. July 2019 – present

Volunteer, CHHS-Diversity and Inclusion Committee - Week of Caring. Feb 2020

Member and Lead staff/student subgroup, CHHS-Wellness Council, (subgroup -“Movement environment Indoor/Outdoor Space” initiative for Healthy Campus Framework). Jan 2020-present

Department:

Co-chair, DPT Program Student Professional Academic Review Committee. Sept 2019 – present

Member, DPT Program Curriculum Committee. Sept 2019 – present

Honors and Awards:

Writing Excellence Award

Shenandoah University 2011

Continuing Education APTA

Series: COVID-19:

Minimizing the Impact of Social Distancing for the Older Adult

COVID 19 Bundle - Acute Care Management

Post-Acute Covid-19 Exercise and Rehabilitation (PACER) Project.

Web-based Education

May-June 2020

Combined Sections Meeting of the APTA:

No Clinical Practice Guideline (CPG)? Managing the Grey Areas of Neurologic PT Practice

Interpretation of Unusual Patterns of Nystagmus: Atypical Benign Paroxysmal Positional Vertigo

Rhythm and the Motor System: New Opportunities for Gait Training

NCS to Research: Implementation in the Clinic

Removing the Kid Gloves in Neurologic and Geriatric Rehabilitation

Research Making You Dizzy? How to Translate the Vestibular Clinical Practice Guidelines into Practice

It Takes a Village: Partnering to Develop an Entry-Level Acute Care Physical

Therapist Denver, CO

February 2020

Cardiopulmonary Physical Therapist Best Practice- Weekend Workshop.

Denver, CO

October 2019

Faculty Development Workshop – Academy of Physical Therapy Education.

Chicago, IL

July 2019

International Brain Injury Association- 13th World Congress

PINK Concussion 7: Brain injury in Women and Girls - Sex gender-based differences in injury, recovery and outcomes

Less pain, more gain: Minimizing clinicians' burdens of implementing best practices

Resiliency in the context of traumatic brain injury: conceptual understanding and implications for rehabilitation

Beyond publications: A focus on clinical implications and implementing concussion research in clinical practice within the U.S. Military Health System

The value of long-term care to scientific research and vice versa, a demonstrated by disorders of consciousness

Disorders of consciousness: balancing hope and acceptance

Sunrise symposium: merging human and big data learning for solutions in acquired brain injury prevention, treatment, and rehabilitation

Paving the way for new era in brain injury research and clinical care

Maximizing Psychotherapeutic process following traumatic brain injury

Social cognition, communication and affect (SOCCA)- special interest group symposium

Toronto, Ontario (Canada)

March 2019

MedBridge on-line learning:

- Cardiovascular examination Part 1- Vascular Diseases
- Cardiovascular examination Part 2- Valvular Diseases
- Respiratory muscle physiology
- Management of critically ill aging client with type 1 respiratory failure
- Acute care physical therapy : when to start, stop, do more, do less

Feb 2019- Mar 2019

Choosing “RxExcellence”: It Starts with Relationships- Ethics Course. Black Hawk Tech

Janesville, WI

October 2018

Combined Sections Meeting of the APTA:

- Intervention Strategies for Patients with Neuropsychiatric Condition
- Applying the Movement System Diagnosis to Neurodegenerative Diseases
- Diagnosing and Treating Deficits in Propulsion to Improve Walking After Stroke
- Pitfalls of Post-Concussion Syndrome
- Delayed Recovery and Medical Interventions for Recalcitrant Vestibular Disorders
- Integrating Clinical Reasoning and the Movement System Across Health Conditions

New Orleans, LA

February 2018

Teaching People about Pain: Pain Neuroscience Education

Madison, WI

October 2017

Bryant & Stratton College

- Leveraging Technology Resources in Class.

- Fun Formative Assessment - Teaching tools and Student assessments.

Waukesha, WI

September 2017

MedBridge on-line learning:

- Vestibular Rehabilitation: Case Studies, Rehab Treatment Design and Advanced Concepts

- Legal and Ethical Issues in Geriatric Rehabilitation (approved per WI)

- Functional Limitation Reporting (approved per WI)

December 2016

PWR (Parkinson's Wellness and Recovery) - Therapists Training and Certification
Kenosha, WI
October 2016

Tai Chi for Arthritis for Fall prevention
Middleton, WI
March 2016

Combined Section Meeting of the APTA

Optimizing Exercise Effects on Neuroplasticity to Promote Motor Rehabilitation
The Unrelenting Misperceptions of Spasticity and Hypertonicity
More Common Than You Think: Vestibular-ocular and Vestibulospinal
Dysfunction in Aging and Neurodegenerative Disease
Anne Shumway-Cook Lectureship: Can We Change What We Do to Help Those
Who Don't Get Better
Differentiating Migraine, Cervicogenic, and Anxiety-Related Dizziness
It's All About That Base: Gluteal Function and Activation After Stroke

Anaheim, CA
February 2016

Restoring balance with Tai Chi Reducing Risk of Falls and Improving Functional Activity
Madison, WI
December 2015

Neuromuscular & Neurodegenerative Disorders
Madison, WI
December 2015

NeuroRTI NCS prep course:

Chronic SCI
Spasticity Management
Basic Concepts in Stroke Rehab
Multiple Sclerosis: Rehabilitation Considerations
Parkinson's Disease: Physical Therapy Management
Guillain-Barre Syndrome
Chronic Inflammatory Demyelinating Polyneuropathy
Orthopedic Complications in the Neurologic Shoulder
Aerobic Training in the Neurologic Setting
Assessment and Treatment of the Vestibular Patient
Muscular Dystrophy
An Interdisciplinary Approach to Acute, Sub-acute and Chronic Brain Injury

Acute Management of Traumatic Brain Injury
Cranial Nerve Anatomy Pathophysiology review
December 2014 - February 2015

Ethics Course - Black Hawk Tech
Janesville, WI
September 2014

ICD-10
Janesville, WI
August 2014

37th Annual Madison Sports Symposium
Iowa Concussion Research Update
ACL Prevention in Youth
Is the SCAT all that? A Critical Look at Sideline Evaluation Tools
Punch-Drunk? Serious Long-term Consequences of Mild Traumatic Brain Injury
Hip Arthroscopy: What you see tells you “what they got”
Rotator Cuff Injuries
Shoulder Instability in the Athlete
Treating ACL Injuries in the Skeletally Immature Athlete
Sports Specialization in Young Athletes
Physical Exam- Pearls of the Shoulder
Madison, WI
May 2014

Neuro Rehab Summit
Rochester, MN
May 2014

Kinesio Taping for Elderly
Madison, WI
April 2014

**Current Teaching Responsibilities in the DPT Program for Academic Year WMU’s
assigned workload:**

PT 6120 - Clinical Examination Skills.
PT 6250 - Physical Therapist Management of Acute and Cardiopulmonary Conditions
PT 6370 - Health and Wellness Promotion in Physical Therapy Practice
PT 6390 - Comprehensive Clinical Performance Assessment I
PT 6530 - Physical Therapist Management of Neuromuscular Conditions I

PT 6580 - Applied Discovery for Physical Therapists II
PT 6630 - Physical Therapist Management of Neuromuscular Conditions II
PT 6680 - Applied Discovery for Physical Therapists III PT 6770 -
Physical Therapist Management of Lifespan: Geriatrics PT 6775 -
Physical Therapy Practice Management.
PT 6890 - Comprehensive Clinical Performance Assessment II
PT 6980 - Applied Discovery for Physical Therapists IV