Curriculum Vitae

Michael J. Zarro, PT, DPT

Board-Certified Sports Clinical Specialist Certified Strength and Conditioning Specialist

Assistant Professor
University of Maryland School of Medicine
Department of Physical Therapy and Rehabilitation Science
Department of Orthopedics

Team Physical Therapist
University of Maryland, College Park Terrapins
University of Maryland, Baltimore County Retrievers

<u>Date</u> January 10, 2023

Contact Information

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Education

2009 University of Maryland, College Park

Bachelor of Science, Kinesiology

2012 University of Maryland School of Medicine

Doctor of Physical Therapy

Post Graduate Continuing Education and Training

2012	MedStar Sports Medicine Annual Conference
	Current Concepts in ACL Reconstruction
	Washington, DC
2012	Spaulding National Running Center
	Irene Davis: Management of the Injured Runner
2012	Great Lakes Seminars
	Vestibular Rehabilitation
2013	Functional Movement Systems

2014

North American Seminars

Speed, Agility, and Quickness Training

2019	American Academy of Sports Physical Therapy Team Concept Conference: Hot Topics Las Vegas, NV
2019	University of Maryland School of Medicine Department of Physical Therapy and Rehabilitation Science Research Day
2020	American Physical Therapy Association Combined Sections Meeting Denver, CO
2020	MedBridge Education Emergency Medical Response Series
2020	Sports Surgery Clinic Return To Play in Elite Sport Conference Virtual
2020	American Academy of Sports Physical Therapy Team Concept Conference: The Female Athlete Virtual
2020	University of Maryland School of Medicine Department of Physical Therapy and Rehabilitation Science Research Day
2021	American Physical Therapy Association Combined Sections Meeting Virtual
2021	AO Peer Clinical Research Certificate Course Virtual
2021	APTA of MD Annual Meeting Virtual
2021	APTA of MD Spring Meeting Virtual
2021	American Academy of Sports Physical Therapy Annual Meeting and Scientific Conference Indianapolis, IN
2021	University of Maryland School of Medicine Department of Physical Therapy and Rehabilitation Science Research Day
2022	American Physical Therapy Association Combined Sections Meeting Virtual
2022	University of Maryland School of Medicine Department of Physical Therapy and Rehabilitation Science Research Day
2022	Carroll University Sports Performance Coaches Clinic

Virtual

Certifications

2009-present American Red Cross
BLS for Healthcare Providers (CPR & AED)
2011-present National Strength and Conditioning Association
Certified Strength and Conditioning Specialist
2013-present American Physical Therapy Association
Credentialed Clinical Instructor
2014-present American Red Cross/Cogent Steps
Emergency Medical Responder
2015-present American Board of Physical Therapy Specialties
Sports Clinical Specialist
2015-present Myopain Seminars
Certified Myofascial Trigger Point Therapist

Physical Therapy Licensures

Active Maryland

Employment History

Academic Appointments

2016-2018 University of Maryland, School of Medicine
Department of Physical Therapy and Rehabilitation Sciences
Adjunct Professor

2018-present University of Maryland, School of Medicine
Department of Physical Therapy and Rehabilitation Sciences
Department of Orthopedics
Assistant Professor

Other Employment

2012-2013	MedStar National Rehabilitation Network
	Olney, MD
	Physical Therapist
2013-2014	MedStar National Rehabilitation Network
	Olney, MD
	Clinic Coordinator
2014-2018	MedStar National Rehabilitation Network
	Baltimore, MD
	Physical Therapist
2015-2018	Loyola University Maryland Greyhounds
	Baltimore, MD
	Team Physical Therapist

College Park, MD

Team Physical Therapist

2018-present University of Maryland Orthopedic Associates

Baltimore, MD Physical Therapist

2021-present University of Maryland, Baltimore County Retrievers

Baltimore, MD

Team Physical Therapist

Professional Society Membership

2011-present American Physical Therapy Association

2011-present American Academy of Sports Physical Therapy 2012-present National Strength and Conditioning Association

Honors and Awards

2017 MedStar National Rehabilitation Network

Hero Award

Clinical Activities

Clinical Expertise

Board Certified Sports Clinical Specialist

Clinical practice focused sports and orthopedic rehabilitation of recreational, collegiate, and elite athletes. Serve as team physical therapist for University of Maryland Terrapins and University of Maryland, Baltimore County Retrievers athletic departments.

Teaching focused in anatomy, biomechanics and musculoskeletal rehabilitation content with specific focus on sports physical therapy for University of Maryland School of Medicine, Department of Physical Therapy and Rehabilitation Science.

Scope of Clinical Practice

2012-2014 MedStar National Rehabilitation Network, Olney

Orthopedics

Leadership and Clinical role

~45 patients per week

2014-2018 MedStar National Rehabilitation Network, Federal Hill

Orthopedics, Sports

Clinical role

~30 patients per week

2015-2018 Loyola University Maryland, Athletic Department

Sports

Leadership and clinical role

~40 patients per week

2018-present University of Maryland, Athletic Department

Sports

Leadership and clinical role ~45 patients per week

2018-2021 University of Maryland Orthopedics, Faculty Practice, Baltimore

Orthopedics, Sports

Clinical Role

~15 patients per week

2021-present University of Maryland, Baltimore County Athletic Department

Sports
Clinical role

~20 patients per week

Administrative Service

Institutional Service

2018-2019 Residency and Fellowship Committee

University of Maryland School of Medicine

Department of Physical Therapy and Rehabilitation Science

2018-present Sports Performance Committee

University of Maryland, College Park

Athletic Department

January 2019 Search Committee

Associate Athletic Trainer for Football University of Maryland, College Park

Athletic Department

January 2019 Search Committee

Assistant Athletic Trainer for Football University of Maryland, College Park

Athletic Department

2019-present Curricular Innovation and Design Committee

University of Maryland School of Medicine

Department of Physical Therapy and Rehabilitation Science

2019-present Faculty member

University of Maryland Orthopedic Physical Therapy Residency

Local, National, and International Service

2012-2018 Sports Pod Member

MedStar National Rehabilitation Network

2014-present Maryland State Legislative Representative

American Academy of Sports Physical Therapy

2014-2018 Volunteer

Charm City Run

2014-2018 Volunteer

Baltimore Running Festival Medical Team

2014-present Volunteer

Merritt Athletic Club

2017 Volunteer

United States Olympic Committee

Sports Medicine

2017-present Book Reviewer

Physical Therapy in Sport

2019-present Article Reviewer

International Journal of Sports Physical Therapy

2019-2021 Education chair

American Academy of Sports Physical Therapy

Professional and Collegiate Sports Special Interest Group

2019-present Director for Practice

APTA of Maryland

2020-present Reviewer

Journal of Knee Surgery

2020-present Diversity, Equity, and Inclusion Committee

APTA of Maryland

2021-present Vice chair

American Academy of Sports Physical Therapy

Professional and Collegiate Sports Special Interest Group

Teaching Service

Physical Therapy Student Teaching

2010-2011 Teaching Assistant

DPTE 511: Basic Sciences 1, ~45-65 students, 9 credit course

2014-present Clinical instructor to graduate students

Mayur Mistry, MGH DPT student, 2014, 10 weeks Kaitlyn Keyser, UMB DPT student, 2019, 11 weeks Samantha Moore, UMB DPT student, 2019, 11 weeks Matteo Vertucci, UMB DPT student, 2020, 9 weeks Gabe Ukwuoma, UMB DPT student, 2020, 11 weeks Matthew Delapaz, UMB DPT student, 2021, 11 weeks Allison Funk, UMB DPT student, 2021, 11 weeks Jeremy Beyer, UMB DPT student, 2022, 11 weeks Kayla Patrick, UMB DPT student, 2022, 11 weeks Noah Schrago, UMB DPT student, 2022, 11 weeks Carson Scharf, UMB DPT student, 2023, 11 weeks

2015-2016 Volunteer Faculty

DPTE 522: Musculoskeletal 1, ~45-65 students, 7 credit course

2016-2018	DPTE 525: Musculoskeletal 2, ~45-65 students, 7 credit course Adjunct Professor
2010-2016	DPTE 511: Basic Sciences 1, ~45-65 students, 9 credit course
	DPTE 514: Basic Sciences 3, ~45-65 students, 12 credit course
	DPTE 522: Musculoskeletal 1, ~45-65 students, 7 credit course
	DPTE 525: Musculoskeletal 2, ~45-65 students, 7 credit course
2018-present	Assistant Professor
2016-present	DPTE 511: Basic Sciences 1, ~45-65 students, 9 credit course
	DPTE 512: Professional Issues 1, ~45-65 students, 3 credit course
	DPTE 514: Basic Sciences 2, ~45-65 students, 15 credit course
	DPTE 514: Basic Sciences 3, ~45-65 students, 12 credit course
	DPTE 515: Professional Issues 2, ~45-65 students, 2 credit course
	DPTE 522: Musculoskeletal 1, ~45-65 students, 7 credit course
	DPTE 524: Neuromuscular 1, ~45-65 students, 7 credit course
	DPTE 525: Musculoskeletal 2, ~45-65 students, 7 credit course
	DPTE 528: Professional Issues 3, ~45-65 students, 4 credit course
2010	DPTE 530: Clinical Qualifying Measures, ~45-65 students, 1 credit course
2018-present	Mentor to graduate students
	Abriana Williams, UMB DPT student
	Alexis Williams, UMB DPT student
	Allison White, UMB DPT student
	Courtney Wallace, UMB DPT student
	Mary Williams, UMB DPT student
	Matthew Woulfe, UMB DPT student
	Peyton Strieder, UMB DPT student
	Miranda Thompson, UMB DPT student
	Erika Takahashi, UMB DPT student
	Jason Utz, UMB DPT student
	Gabriella Velleggia, UMB DPT student
	Melissa. Wallace, UMB DPT student

Post Graduate Teaching

2013	MedStar Sports Medicine (Developing) Physical Therapy Residency
	Rehabilitation of Rotator Cuff Repairs
2014	MedStar Sports Medicine (Developing) Physical Therapy Residency
	Rehabilitation of Sports Foot and Ankle Injuries
2015	MedStar Sports Medicine (Developing) Physical Therapy Residency
	Rehabilitation of Sports Foot and Ankle Injuries
2014	MedStar Sports Medicine Orthopedic Surgery Fellowship Education
	Series
	Rehabilitation of Patellofemoral Pain Syndrome
2015	MedStar Sports Medicine Orthopedic Surgery Fellowship Education
	Series
	Rehabilitation of Patellofemoral Pain Syndrome
2016	MedStar Sports Medicine Orthopedic Surgery Fellowship Education
	Series

Major Invited Speeches

- 1. Zarro, M. Dry Needling for Injured Runners. International Institute for Race Medicine. Annual Sports Medicine Conference. Washington, DC. 2018
- 2. Zarro, M. Injury Risk Reduction in Team Sports. American Physical Therapy Association. Combined Sections Meeting. Denver, CO. 2020
- 3. Zarro, M. Science Meets Practice Session 1: Comprehensive Division 1 Athletics Care. Combined Sections Meeting. Virtual. 2021
- 4. Zarro, M. University of Maryland School of Medicine. Department of Physical Therapy and Rehabilitation Science. Research Day. Rehabilitation after ACLR: From Clinic to Courtside

Proffered Communications

- 1. Zarro, M. Prevention of Ankle Sprains. The Sandy Spring School. 2014
- 2. Zarro, M. What is Physical Therapy? Montgomery Blair High School. 2014
- 3. Zarro, M. Introduction to Foam Rolling. Charm City Run. 2016
- 4. Zarro, M. Prevention of Throwing Injuries in Baseball Players. Chesapeake High School. 2016
- 5. Zarro, M. Return to Training After ACL Reconstruction. Merritt Athletic Club. 2017
- 6. Zarro, M. Return to Training After Achilles Tendon Repair. Merritt Athletic Club. 2017
- 7. Zarro, M. Introduction to Dry Needling. Merritt Athletic Club. 2017

- 8. Zarro, M. Introduction to Foam Rolling, Charm City Run. 2017
- 9. Zarro, M. Introduction to Blood Flow Restriction Training. Charm City Run. 2017
- 10. Zarro, M. Injury Prevention Methods. Strength Ops Injury Prevention Seminar. 2018
- 11. Zarro, M. Physical Therapy Management of Post-Concussion Syndrome. Merritt Athletic Club. 2019

Continuing Education Courses Taught

- 1. Conroy, V, Shipley, J, Zarro, M, Cardoso, J. Normal and Variant Anatomy of the Lower Extremity: Clinical Implications. 2018.
- 2. Zarro, M, Rowland, R, Pravdo, A, Bowman, P. Blood Flow Restriction Training. APTA of Maryland. August 2020.
- 3. Barth, J & Zarro, M. Advances in Telehealth. APTA of Maryland. March 2021
- 4. Zarro, M, Larkins, D, Rowland, R, Bowman, P, Pravdo, A, Savin, D, Shipley, D, & Conroy, V. Time to Get Hip. PTRS Alumni Event. October 2021.

Publications

Peer Reviewed Manuscripts

- 1. Zarro M, Tamberrino K, Bane EM. Myositis Ossificans of the Adductor Longus in a Soccer Player. J Orthop Sports Phys Ther. 2020 Oct;50(10):586. doi: 10.2519/jospt.2020.9573. PMID: 32998613.
- 2. Wu J, Kator JL, Zarro M, Leong NL. Rehabilitation Principles to Consider for Anterior Cruciate Ligament Repair. Sports Health. August 2021. doi:10.1177/19417381211032949.
- 3. Zarro M, Lee J, Stitzlein M, Rowland R, Packer J, Meredith S, Taylor J, Gray V, Nelson C. Single-Leg Vertical Hop Test Detects Greater Limb Asymmetries Than Horizontal Hop Tests After Anterior Cruciate Ligament Reconstruction in NCAA Division 1 Collegiate Athletes. Int J Sports Phys Ther. 2021 Dec 2;16(6):1405-1414. doi: 10.26603/001c.29595. PMID: 34909247; PMCID: PMC8637251.
- 4. Ortega M, Marchese V, Zarro M. Film R. Shipper A, & Felter C. Digital and blended curriculum delivery in health professions education: an umbrella review with implications for Doctor of Physical Therapy education programs. *Physical Therapy* Reviews. 2021 DOI: 10.1080/10833196.2021.2000286.
- 5. Zarro M, Silverson O, Soenksen W, Thein-Nissenbaum J, Cataldo Cirone E, Rowland R, Staker J. Roles And Responsibilities Of The Physical Therapist In Collegiate Athletics: Results Of A National Survey. Int J Sports Phys Ther. 2022 Oct 1;17(6):1128-1135. doi: 10.26603/001c.38015. PMID: 36237651; PMCID: PMC9528688.
- 6. Zarro M, Goel R, Bickhart N, May CC, Abzug JM. Extensor Carpi Ulnaris Tendinopathy in Athletes: A Review of the Conservative and Rehabilitative Options. Hand (N Y). 2022 Oct 15:15589447221127331. doi: 10.1177/15589447221127331. Epub ahead of print. PMID: 36250572.

Manuscripts Under Review

1. Zarro M. Bone Stress Injury of the Patella in a Division 1 Athlete with Anterior Knee Pain. 2022. Submitted to JOSPT Cases.

Posters/Abstracts

- 1. Zarro M, Film R, & Thomas C. Treatment of sciatic pain syndrome using neural mobilization: a case report. University of Maryland, Department of Physical Therapy and Rehabilitation Science. Annual Research Day. Baltimore, MD. 2012
- 2. Zarro M, Lawrence, J, & Greenway K. Running rehabilitation protocol for a female runner with iliotibial band syndrome. University of Maryland, Department of Physical Therapy and Rehabilitation Science. Annual Research Day. Baltimore, MD. 2019
- 3. Zarro M, Habteyes, H, & Altkruse, K. Application of therapeutic exercises for hip and knee combined with manual therapy in a 19 y/o F runner with Patellofemoral Pain Syndrome (PFPS). University of Maryland, Department of Physical Therapy and Rehabilitation Science. Annual Research Day. Baltimore, MD. 2019
- 4. Zarro M, Goel R, & Rowland R. Rehabilitation of a collegiate lacrosse player with bilateral ECU tendinopathy. American Academy of Sports Physical Therapy. Team Concept Conference, Las Vegas, NV. 2019
- 5. Lawrence J, Zarro M, & Greenway K. Running rehabilitation protocol for a female runner with iliotibial band syndrome. American Physical Therapy Association. Combined Sections Meeting. Denver, CO. 2020
- 6. Lee J, Stitzlein M, Zarro M, Gray V, & Nelson C. Single-Leg Vertical Hop Test Detects Greater Limb Asymmetries Than Horizontal Hop Tests After Anterior Cruciate Ligament Reconstruction in NCAA Division One Athletes. University of Maryland, Department of Physical Therapy and Rehabilitation Science. Annual Research Day. Baltimore, MD. 2021
- 7. Larkins D, Rowland R, Zarro M, & Addison O. Architectural and Strength Adaptations of the Hip Adductor Complex Following 8 Week Eccentric Exercise Program. University of Maryland, Department of Physical Therapy and Rehabilitation Science. Annual Research Day. Baltimore, MD. 2021
- 8. Lee J, Stitzlein M, Zarro M, Gray V, & Nelson C. Single-Leg Vertical Hop Test Detects Greater Limb Asymmetries Than Horizontal Hop Tests After Anterior Cruciate Ligament Reconstruction in NCAA Division One Athletes. American Academy of Sports Physical Therapy Annual Meeting and Scientific Conference. Indianapolis, IN. 2021
- 9. Funk, A, Zarro, M. Return to Sport Testing with a D1 lacrosse player status-post meniscus repair: a case report. University of Maryland, Department of Physical Therapy and Rehabilitation Science. Annual Research Day. Baltimore, MD. 2022