

CURRICULUM VITAE

Michael D. Ross, PT, DHSc, OCS, FAAOMPT
Daemen University

Education:

Physical Therapy Fellowship in Orthopaedic Manual Therapy and Musculoskeletal Primary Care
Kaiser Permanente Medical Center
Vallejo, CA
2004

Doctorate of Health Science
University of Indianapolis
Indianapolis, IN
Physical Therapy
2000

Master of Health Science
University of Indianapolis
Indianapolis, IN
Physical Therapy
1996

Master of Science
University of Dayton
Dayton, OH
Education
1994

Bachelor of Science
Daemen College
Amherst, NY
Physical Therapy
1992

Licensure Information:

New York State
License Number: 038568

Certifications:

American Academy of Orthopedic Manual Physical Therapists
Fellow
2018

American Board of Physical Therapy Specialties
Board Certified Specialist in Orthopaedic Physical Therapy
Recertified in 2018

American Board of Physical Therapy Specialties
Board Certified Specialist in Orthopaedic Physical Therapy
Recertified in 2008

September 2023

American Board of Physical Therapy Specialties
Board Certified Specialist in Orthopaedic Physical Therapy
1998

Employment and Positions Held:

Department Chair and Doctor of Physical Therapy (PhD) - 7.1 (r57a9) - 12.1 (P)2.3 (PhD) - 7.0 and Director

Department of Biology
United States Air Force Academy, CO
July 1998 – June 2001

Assistant Chief
Department of Physical Therapy, 96th Medical Group
Eglin AFB, FL
January 1997 – July 1998

Chief
Department of Physical Therapy, 39th Medical Group
Incirlik AB, Turkey
January 1995 – January 1997

Staff Physical Therapist
Department of Physical Therapy, 74th Medical Group
Wright-Patterson AFB, OH
June 1992 – January 1995

Peer Reviewed Publications:

Young B, **Ross M**, Severin R. Physical Assessment as a Screening Tool. In Goodman and Snyder's Differential Diagnosis for Physical Therapists (Editors: Heick J, Lazaro RT), 7th Edition, Elsevier, St Louis,

Prall J, Ross M. The impact of physical therapy delivered ergonomics in the workplace: a narrative review. *Indian Journal of Physiotherapy and Occupational Therapy*. 2021;15(3):27-36.

Mabry LM, Patti TN, **Ross MD**, Bleakley CM, Gisselman AS. Isolated medial cuneiform fractures: a systematic search and qualitative analysis of case studies. *Journal of the American Podiatric Medical Association*. 2021;111(4):Article 12.

Leininger P, Prall J, **Ross M**. A systematic review on the effect of physical therapist delivered ergonomic intervention on workers in a physically taxing workplace. *Indian Journal of Physiotherapy and Occupational Therapy*. 2021;16(2):153-159.

Bowne K, Prall J, **Ross M**. Prolotherapy combined with physical therapy in a recreationally active middle-aged man with chondromalacia patella. *European Journal of Fitness, Nutrition and Sport Medicine Studies*. 2021;2(1):22-33.

Barker S, **Ross M**, Zhou K. Exercise intervention in the management of venous leg ulcers: a review. *European Journal of Physiotherapy and Rehabilitation Studies*. 2021;2(1):28-41.

Prall J, **Ross M**. The impact of physical therapy delivered ergonomics in the workplace: a narrative review. *Indian Journal of Physiotherapy and Occupational Therapy*. 2021;15(3):27-36.

Burley TR, McKinnis L, **Ross MD**. Diagnosis of a spinal compression fracture with digital image inversion. *Journal of Orthopaedic and Sports Physical Therapy Cases*. 2021;1:99-100.

Prall J, **Ross M**. The effect of shift time and work schedule on injuries in the industrial workplace. *European Journal of Public Health Studies*. 2021;4(2):98-109.

Hakim RM, **Ross M**. "Emerging Perspectives of Virtual Reality Techniques" in *Virtual Reality in Health and Rehabilitation*, Taylor & Francis Group, Boca Raton, FL, 2020.

Ross MD, Purrington B, Zuniga C, Farnand B, Pattacciato F. Survey of physical therapists' knowledge of screening and management practices for patients with prediabetes. *Physiotherapy Practice and Research*. 2020;41:213–223.

Hakim RM, Tunis BG, **Ross MD**

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Rodeghero JR, Denninger TR, **Ross MD**. Abdominal pain in physical therapy practice: 3 patient cases. *Journal of Orthopaedic and Sports Physical Therapy*. 43:44-53;2013.

Chad C, **Ross MD**, Isaacs R, Hegedus E. Investigation of non-mechanical findings during spinal movement screening for identifying and/or ruling-out metastatic cancer. *Pain Practice*. 12:426-433;2012.

Boissonnault WG, **Ross MD**. Physical therapists referring patients to physicians: a review of case reports and series. *Journal of Orthopaedic and Sports Physical Therapy*. 42:446-454;2012.

Boyles RE, Gorman I, Pinto D, **Ross MD**. Physical therapist practice and the role of diagnostic imaging. *Journal of Orthopaedic and Sports Physical Therapy*. 41:829-37;2011.

Tonarelli J, Mabry L, **Ross MD**. Diagnostic imaging of an Achilles tendon rupture. *Journal of Orthopaedic and Sports Physical Therapy*. 41:904;2011.

Mabry LM, **Ross MD**, Martin PA, Tall MA, Elliott RL. Globus sensation associated with cervical spondylolisthesis. *American Journal of Physical Medicine and Rehabilitation*. 90:615;2011.

Ross MD, Elliott RL. Acute knee hemarthrosis: A case report describing diagnosis and management for a patient on anticoagulation medication. *Physiotherapy Research International*. 16:120-123;2011.

Ross MD. The relationship between functional levels and fear-avoidance beliefs following anterior cruciate ligament reconstruction. *Journal of Orthopaedics and Traumatology*. 11:237-43; 2010.

Ross MD, Elliott RL. Cervical cord compressive myelopathy in a patient with a primary complaint of medial knee pain. *Journal of Spinal Cord Medicine*. 33:431-434; 2010.

Ross MD, Boissonnault WG. Red flags: to screen or not to screen? *Journal of Orthopaedic and Sports Physical Therapy*. 40:682-684;2010.

Mabry LM, **Ross MD**, Tall MA. Insufficiency fracture of the pubic rami. *Journal of Orthopaedic and Sports Physical Therapy*. 40:666;2010.

Mabry LM, **Ross MD**, Tall MA. Diagnostic imaging following cervical spine injury. *Journal of Orthopaedic and Sports Physical Therapy*. 40:189;2010.

Young BA, **Ross MD**. Neck pain and headaches in a patient after a fall. *Journal of Orthopaedic and Sports Physical Therapy*. 39:418;2009.

Blake CG, **Ross MD**. Femoral neck fracture in a military trainee. *Journal of Orthopaedic and Sports Physical Therapy*. 38:578;2008.

Ross MD, Cheeks JM. Undetected odontoid fracture in an older individual referred to physical therapy for the treatment of neck pain following trauma. *Journal of Orthopaedic and Sports Physical Therapy*. 38:418-424;2008.

Ross MD, Elliott RL. Thoracic spine compression fracture in a p3 (8)-1.nd()TjtCID 31 BDC /TT2 1 Tf-0.002 Tc 0.001 Tw 0

Ross M, Fontenot E. Test-retest reliability of the standing heel-rise test. *Journal of Sport Rehabilitation*. 9(2):117-123;2000.

Ross M, Worrell T. A review of the efficacy of electrical stimulation following anterior cruciate ligament reconstruction. *Athletic Therapy Today*. 5(6):54-60;2000.

Ross M. Hamstring injury in a male collegiate sprinter. *Athletic Therapy Today*. 5(4):42-43;2000.

Ross M. The effects of neuromuscular electrical stimulation during closed kinetic chain exercise on lower extremity performance following anterior cruciate ligament reconstruction. *Sports Medicine, Training and Rehabilitation (now Research in Sports Medicine)*. 9(4):239-251;2000.

Ross M. Stretching the hip flexor muscles. *Strength and Conditioning Journal*. 21(3):71-72;1999.

Ross M. The treatment of low back pain in a middle-aged recreational athlete. *Athletic Therapy Today*. 4(2):22-23;1999.

Ross M, Paterno G. Reliability of the Apley's range of motion test and dominant and nondominant upper extremity differences. *European Journal of Physical Medicine and Rehabilitation*. 8(6):166-169; 1999.

Ross M. Delayed onset muscle soreness: Work out now, pay later? *The Physician and Sportsmedicine*. 27(1):107-108;1999.

Ross M. Effect of lower extremity position and stretching on hamstring muscle flexibility. *Journal of Strength and Conditioning Research*. 13(2):124-129;1999.

Ross M, Worrell T. Thigh and calf girth following knee injury and surgery. *Journal of Orthopaedic and Sports Physical Therapy*. 27(1):9-15;1998.

Ross M. The use of closed kinetic4

Chronic spinal pain: a proposed physical therapy model for evaluation and management.
Poster presentation for the American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Nov 2020 (virtual).

Zhou K, Frankish L, **Ross MD** (Ross)

Healing outcomes and characteristics of wounds of different etiologies in an outpatient physical therapy clinic.

Poster presentation for the Combined Sections Meeting, Denver, CO, Feb 2020.

Hakim RM, **Ross MD**, Segota C, Potter S, Bishop B (Hakim/Ross)

Feasibility and acceptance of haptic robotics for orthopedic rehabilitation of the wrist/hand: a case report.

Platform presentation for the Combined Sections Meeting, Denver, CO, Feb 2020.

Doherty D, Melendez E, Hornung M, Carroll W, Zhou K, **Ross M** (Doherty)

Cardiovascular disease risk factors: implications for a physical therapist wound care practice.

Poster presentation for the Annual Meeting for the Network in Aging of Western New York, Inc., Buffalo, NY, Oct 2019.

Boggs R, **Ross MD** (Boggs)

Internal carotid artery stenosis in a patient referred to a physical therapist for dizziness.

Poster presentation for the Combined Sections Meeting, Washington, DC, Jan 2019.

Burley T, Thein Brody L, Boissonnault W, **Ross MD** (Burley)

Development of a musculoskeletal imaging competency examination for physical therapists.

Platform presentation for the Combined Sections Meeting, Washington, DC, Jan 2019.

Matthews L, Ford G, Schenk R, **Ross M**, Donnelly J (Matthews)

Dry needling curricula in entry-level education programs for physical therapists.

Poster presentation for the Combined Sections Meeting, Washington, DC, Jan 2019.

Purrington B, Zuniga C, Farnand B, Pattacciato F, **Ross MD** (Purrington)

Survey of physical therapists' knowledge of screening and management practices for patients with prediabetes.

Poster presentation for the Combined Sections Meeting, Washington, DC, Jan 2019.

Ross MD, Zhou K, Bianconi K; Simson E, Veljovski A (Bianconi)

Physical therapy and quality of life outcomes for individuals with integumentary disorders.

Poster presentation for the Combined Sections Meeting, Washington, DC, Jan 2019.

Szydlowski G, O'Neil J, Mrowczynski J, **Ross MD** (Szydlowski)

Electroskip™ auditory biofeedback in a patient with Parkinson's disease: a case report.

Poster presentation for the Combined Sections Meeting, Washington, DC, Jan 2019.

Burley T, Thein Brody L, Boissonnault W, **Ross MD** (Burley)

Development of a musculoskeletal imaging competency examination for physical therapists.

Platform presentation for the American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Reno, NV, Nov 2018.

Mabry LM, **Ross MD**, Dardenelle SI (Mabry)

Poster presentation at the Combined Sections Meeting, New Orleans, LA, Feb 18.

Cadigan K, Elliott R, Bang M, **Ross MD** (Cadigan)

Acute exertional rhabdomyolysis in a patient referred to a physical therapist for thoracic back pain: a case report.

Poster presentation at the Combined Sections Meeting, New Orleans, LA, Feb 18.

Melendez E, Doherty D, Hornung M, Carroll W, Zhou K, **Ross M** (Doherty).

Quality of life in individuals with an integumentary disorder.

Poster presentation at the Combined Sections Meeting, New Orleans, LA, Feb 18.

Sanko JP, Leininger PM, Wagner BR, **Ross MD** (Sanko)

Effect of a cross-cultural service-learning trip on the clinical cultural competency of physical therapist students.

Poster presentation at the Combined Sections Meeting, New Orleans, LA, Feb 18.

Szydlowski G, Rogers C, Drews K, **Ross MD** (Ross)

Survey on utility of yoga as an alternative therapy for occupational hazards among physical therapists.

Poster presentation at the Combined Sections Meeting, New Orleans, LA, Feb 18.

Bicheler H, Guillermo K, Wolfley B, Walsh L, Brown M, **Ross M** (Ross)

The utilization of spinal thrust manipulation by physical therapists in New York State.

Poster presentation at the Combined Sections Meeting, New Orleans, LA, Feb 18.

Bogulski J, Gonser S, Bush D, Bugner R, Clark L, Farrell L, Swanson K, **Ross M** (Bogulski).

The RunSmart training program: effect on oxygen consumption and lower extremity biomechanics during running.

Poster presentation at the 2017 New York State Physical Therapy Association Annual Meeting, Albany, NY, Oct 2017.

Melendez E, Doherty D, Hornung M, Carroll W, Zhou K, **Ross M** (Ross)

Screening for cardiovascular disease risk factors in a physical therapist wound care practice.

Poster presentation at the 2017 New York State Physical Therapy Association Annual Meeting, Albany, NY, Oct 2017.

Bicheler H, Guillermo K, Wolfley B, Walsh L, Brown M, **Ross M** (Ross)

The utilization of spinal thrust manipulation by physical therapists in New York State.

Poster presentation at the 2017 New York State Physical Therapy Association Annual Meeting, Albany, NY, Oct 2017.

February 2015

Bowne K, **Ross M** (Bowne)

Prolotherapy combined with physical therapy in a recreationally active middle-aged man with chondromalacia patella.

Poster presentation for the Regenerative Rehabilitation Conference, San Francisco, CA

April 14

Van Wyngaarden JJ,

September 2023

Abdominal pain in physical therapy practice: 3 patient cases.
Poster presentation for Physical Therapy 2013: The Annual Conference and Exposition of the American
Physical Therapy Association, Salt Lake City, UT
June 2013

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Koppenhaver SL, Walker MJ, Rettig CP, Davis JD, Nelson CJ, Su J, Harris KD, **Ross MD** (Koppenhaver)
Association between a local twitch response during dry needling, clinical improvement, and changes in
lumbar multifidus muscle function in patients with low back pain

Physical Therapy 2004: The Annual Conference and Exposition of the American Physical Therapy Association Chicago, IL
June 2004

Elliott RL, **Ross MD**, Bang MD (Elliott)
Progressive cervical myelopathy: A case report describing clinical history, differential diagnosis, and management
2003 American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Reno, NV
October 03

Greene KA, **Ross MD**, Bang MD (Greene)
Tarlov cyst as a possible cause of buttock and posterior thigh pain: A case report
2003 California Physical Therapy Association Annual Meeting, Sacramento, CA
October 2003

Ross MD

The relationship between outcome and the number of physical therapy visits in patients with chronic low back pain
2003 California Physical Therapy Association Annual Meeting, Sacramento, CA
October 2003

Ross MD, Irrgang JJ, Denegar CR, McCloy CM, Powell ET (Ross)
The relationship between participation restrictions and fear-avoidance beliefs following anterior cruciate ligament reconstruction
2003 California Physical Therapy Association Annual Meeting, Sacramento, CA
October 2003

Elliott RL, **Ross MD**, Bang MD (Elliott)
Progressive cervical myelopathy: A case report describing differential diagnosis and management
2003 California Physical Therapy Association Annual Meeting, Sacramento, CA
October 2003

Ross MD, Maher L (Ross)
Assessing the health status of young adult male subjects following knee surgery
Physical Therapy 2002: The Annual Conference and Exposition of the American Physical Therapy Association, Cincinnati, OH
June 2002

Villard D, **Ross MD** (Villard)
Disability levels of athletes following ACL reconstruction

Feb 2001

Mahe L, Ross M (Mahe)

General well-being, physical health, and psychosocial health of young adult male subjects following knee surgery

71st Annual Meeting of the Colorado-Wyoming Academy of Science

April 2000

Hooten S, Ross M (Hooten)

Calf girth and performance following knee surgery in young adult male subjects

71st Annual Meeting of the Colorado-Wyoming Academy of Science

April 2000

Ross MD, Dahlke B (Ross)

Lower extremity performance following hamstring injury in male track and field athletes

Physical Therapy 2000: The Annual Conference and Exposition of the American Physical Therapy Association, Indianapolis, IN

June 2000

Ross MD, Langford B (Ross)

Test-retest reliability of four lower extremity functional performance tests

Physical Therapy 2000: The Annual Conference and Exposition of the American Physical Therapy Association, Indianapolis, IN

June 2000

Ross MD

Physical therapy and functional outcomes for patients with low back pain

American Physical Therapy Association's Combined Section Meeting, Seattle, WA

February 1999

Ross MD

Reliability of the Apley's range of motion test and dominant and nondominant upper extremity differences

American Physical Therapy Association's Combined Section Meeting, Seattle, WA

February 1999

Ross MD, Segner HA (Ross)

Effects of physical therapy on functional capacities in individuals with low back pain

Physical Therapy Scientific Meeting & Exposition of the American Physical Therapy Association
Orlando, FL

June 1998

Ross M

Test-retest reliability of the lateral step-up test in normal healthy adults

American Physical Therapy Association's Combined Section Meeting, Dallas, TX

February 1997

Ross M, Worrell T (Ross)

Thigh and calf girth following knee injury and surgery

American Physical Therapy Association's Combined Section Meeting, Dallas, TX

February 1997

Ross M

Effect of lower extremity position and stretching on hamstring muscle flexibility

American Physical Therapy Association's Combined Section Meeting, Atlanta, GA

February 1996

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Ross M

Effects of electrical stimulation during closed kinetic chain exercise on lower extremity performance and thigh girth following anterior cruciate ligament reconstruction
American Physical Therapy Association's Combined Section Meeting, Atlanta, GA
February 1996

Funded/In Review Grant Activity: NA

Current/Active Research Activity:

Sidoti K, Shelander A, Stash A, Riley J, Chimenti C, Seils M, Ross M
Assessment of risk for hospitalization in patients seen in a home health care setting

Barrick M, Aldridge C, Pohlman E, Wong J, Ross M
Knowledge of hyponatremia in marathon runners

Membership in Scientific/Professional Organizations:

Member, American Academy of Orthopedic Manual Physical Therapists
2018 – Present

Member, Association of Military Surgeons of the United States - Society of Federal Health Professionals
2017 – Present

Member, Tj-0.002 Tc 0.001 Tw 0.277 0 Td[77 (e 0 Td[(P)2.4 (r (al)3.1 ())TjEMC /P kg(S)2.4 (oc)-203x(ar)-6.3 (dv 0.289 0.1

Research Committee, American Academy of Orthopedic Manual Physical Therapists
2009 – Present

Member
Abstract Review Committee for Combined Sections Meeting
2009 – Present

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

Member of Educational Policy Committee, Daemen University
2022 – Present

Member of the Institute for Mobility Innovation & Technology Planning Committee, Daemen University
2020 – Present

Member of Center for Interprofessional Learning and Simulation Planning Committee, Daemen University
2020 – Present

Co-Chair of Faculty Review Committee, Daemen University
2020 – 2022

Member of Faculty Senate
2019 – 2021

Member of Human Subjects Research Review Committee, Daemen University
2018 – Present

Co-Chair of Department Faculty Search Committee, Daemen College Physical Therapy Department
2018 – 2021

Member of Educational Policy Committee, Daemen College
2016 – 2019

Member of the Academic Festival Committee, Daemen College
2016

Member of Faculty Subcommittee on Academic Organizational Structure, Daemen College
2015

Member of Department Faculty Search Committee, Daemen College Physical Therapy Department
Spring 2015, 2016

Honors and Awards:

Recipient of the International Journal of Sports Physical Therapy Achievement of Distinction and
Outstanding Case Report Manuscript
February 2015

Recipient of Best Research Report Award for the 2013 Pennsylvania Physical Therapy Association
October 2013

September 2023

COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program
in Physical Therapy
2012

Texas Physical Therapy Association's Outstanding Physical Therapy Assistant Faculty Award
2010

Recipient of Daemen College's Distinguished Alumni Award (Advancement in Career Award)
2009

Recipient of California Physical Therapy Association's Clinician Non-Research Publication Award
2008

Col Gary Wasem US Air Force Physical Therapy Element of the Year
2005

Recipient of Outstanding Research Poster Presentation Award for the California Physical Therapy
Association Annual Meeting
2003

Outstanding U.S. Air Force Academy Educator in Biology Award
2001

U.S. Air Force Academy Department of Biology Research Excellence Award
2000

Faculty Advisor of Recipient of Outstanding Undergraduate Paper and Presentation Award for the 71st
Annual Meeting of the Colorado-Wyoming Academy of Science
2000

US Air Force Company Grade Officer Physical Therapist of the Year
1994

Continuing Education Attended:

American Physical Therapy Association's Combined Section Meeting, February 2022

Evidence-Based Practice Clinical Symposium, Buffalo, NY, December 2021

American Academy of Orthopedic Manual Physical Therapists Annual Meeting, virtual, October 2021

American Physical Therapy Association's Combined Section Meeting, virtual, February 2021

Evidence-Based Practice Clinical Symposium, Buffalo, NY, December 2020

American Academy of Orthopedic Manual Physical Therapists Annual Meeting, virtual, October 2020

American Physical Therapy Association's Combined Section Meeting, Denver, CO, February 2020

Evidence-Based Practice Clinical Symposium, Buffalo, NY, December 2019

Pain Neuroscience Education: An Anecdotal & Evidence Based Clinical Approach, Buffalo, NY,
September 2019

American Physical Therapy Association's Combined Section Meeting, Washington, DC, January 2019

Evidence-Based Practice Clinical Symposium, Buffalo, NY, December 2018

An Update on TMJ Dysfunction, Buffalo, NY, November 2018

Pharmacology for Physical Therapists, Buffalo, NY, October 2018

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