

## CURRICULUM VITAE

John Jacob Mischke, PT, DPT, MBA  
Tufts University School of Medicine  
Doctor of Physical Therapy Program - Seattle

### Education:

**Master of Business Administration (MBA), 2022**  
University of Montana, Missoula, MT

**Orthopedic Manual Physical Therapy Fellowship, 2013**  
University of Illinois at Chicago, Chicago, IL

**Orthopedic Physical Therapy Residency, 2012**  
Creighton University, Omaha, NE

**Doctorate of Physical Therapy (DPT), 2011**  
Creighton University, Omaha, NE

**Bachelor of Science (BS) in Nutrition, Exercise, and Health Science, 2008**  
University of Nebraska, Lincoln, NE

### Licensure Information/Registration Number:

Montana Board of Physical Therapy Examiners  
Licensed Physical Therapist, License No. 9185

### Certifications:

- Fellow of Scientific Teaching, National Institute on Scientific Teaching
- Fellow, American Academy of Orthopaedic Manual Physical Therapists (FAAOMPT)
- Board-Certified Orthopedic Clinical Specialist (OCS)
- Lean Healthcare Practitioner, Johns Hopkins Medicine
- AHA Cardiopulmonary Resuscitation/Automatic External Defibrillator (CPR)
- Credentialed Clinical Instructor, American Physical Therapy Association
- Functional Dry Needling (FDN), Level 1, Kinetacore
- Blood Flow Restriction Rehabilitation, Owens Recovery Science

### Employment and Positions Held:

Visiting Associate Professor  
Tufts University, Seattle, WA

January 2024-Current

Contract Faculty  
Rehab Essentials, Inc., Columbia Falls, MT

September 2022-present

- Created asynchronous examinations and assignments to successfully test transitional DPT student matriculation through the course content.

- Created and compiled asynchronous business and marketing content for transitional DPT students.

Orthopedic Physical Therapy Residency Director August 2016-December 2023  
University of Montana, Missoula, MT

- Ensured residents received outstanding education and mentoring by using servant leader mentality to foster a culture of instructor excellence and inclusivity.
- Attracted consistently competitive resident applicant pool by employing strong interpersonal and marketing skills through word-of-mouth marketing, promotional activities, and presentations.
- Facilitated program accreditation and compliance by developing and implementing policies and procedures according to the American Board of Physical Therapy Residency & Fellowship Education.
- Created sustainability by developing and managing operations budget with annual 20% profit margin.

Core Clinical Faculty July 2015-December 2023  
Clinical Physical Therapy Instructor  
University of Montana, Missoula, MT

- Disseminated scholarly works, instructed, and performed service at a level commensurate with Clinical Associate Professor rank.
- Earned excellent student evaluation scores by effectively translating musculoskeletal, complex business administration, and marketing information into easily applicable frameworks and developing a teaching environment focused on career readiness.
- Successfully served on several multidisciplinary committees with a variety of team members by using effective communication and collaboration skills.
- Received excellent patient / customer satisfaction surveys from university clinic patients by employing complex problem-solving skills, high-quality patient care, and strong interpersonal skills.

Associate Faculty July 2022  
Tufts University, Boston, MA

- Ensured entry-level DPT students received top-notch didactic and hands-on instruction in lower quarter musculoskeletal course.
- Provided feedback to course coordinator regarding effectiveness of teaching techniques and students ability to integrate didactic material into practical scenario.

Pro Re Nata Physical Therapist July 2019 – February 2020  
Partners in Homecare, Missoula, MT

- Efficiently learned and successfully managed new professional setting and documentation system by working diligently and communicating effectively with administration.
- Worked collaboratively with healthcare teammates to effectively evaluate and manage complex patient cases.

Pro Re Nata Physical Therapist

Community Physical Therapy, Chicago, IL August 2013 - June 2015

- Collaborated with physicians, nursing, and other rehabilitation professionals to effectively and ethically manage patient caseloads on all floors while maintaining >90% productivity rate.
- Proficiently mastered and successfully managed new professional setting and documentation system by using diligence and perseverance.

Outpatient Physical Therapist; OMPT Fellowship Core Faculty; DPT Associate Faculty  
University of Illinois Hospital System, Chicago, IL July 2012 - June 2015

- Advised and mentored fellows-in-training in patient-care, leadership advancement, and research dissemination.
- Outperformed on Doctor of Physical Therapy (DPT) student and fellow-in-training reviews by effectively translating complex research into palpable information in a friendly environment.
- Collaborated with world-class physicians to create evidence-based rehabilitation guidelines by employing strong interpersonal skills.

Staff Physical Therapist

Creighton University Medical Center, Omaha, NE June 2011 - July 2012

- Enhanced rehabilitation department's productivity by using team-first mentality to serve in outpatient orthopedics, acute orthopedics, acute pediatrics, acute cardiopulmonary, and ICU.
- Instructed in several core DPT courses as adjunct faculty by employing strong presentation and teaching skills.
- Collaborated with large group of first-class researchers to conduct and present research from two studies on lower extremity muscle activation patterns following manual therapy.

#### Peer Reviewed Publications:

Wrolstad K, **Mischke JJ**, Elias AR. Desmoid fibromatosis presenting as lateral hip pain in an outpatient physical therapy clinic: A case report. *Physiother Theory Pract.* 2021 Nov 25:1-8. doi: 10.1080/09593985.2021.2008566. Epub ahead of print. PMID: 34823424.

Sault JD, Jayaseelan DJ, **Mischke JJ**, Post A. The utilization of joint mobilization as part of a comprehensive program to manage carpal tunnel syndrome: A systematic review. *Journal of Manipulative and Physiological Therapeutics.* 2020 May;43(4):356-370.

Jayaseelan DJ, **Mischke JJ**, Strazzulla RL. Eccentric Exercise for Achilles Tendinopathy: A Narrative Review and Clinical Decision-Making Considerations. *J. Funct. Morphol. Kinesiol.* 2019, 4(2), 34.

Jayaseelan DJ, **Mischke JJ**, Post A, Sault JD. Joint mobilization in the management of persistent insertional achilles tendinopathy: A case report. *International Journal of Sports Physical Therapy.* 2017 February: 12(1): 133-143.

**Mischke JJ**, Jayaseelan DJ, Sault JD, Emerson Kavchak AJ. Symptomatic and

Functional Effects of Manual Physical Therapy on Plantar Heel Pain: A Systematic Review. *Journal of Manual and Manipulative Therapy*. 2017 January; 25(1): 3-10.

Lantz JM, **Mischke JJ**, Emerson Kavchak AJ, Courtney CA. The Effects of Joint Mobilization Manual Therapy in the Management of Chronic Non-specific Anterior Knee Pain: A Case Report. *International Journal of Sports Physical Therapy*. 2016 June;11(3): 450-461.

**Mischke JJ**, Emerson Kavchak AJ, Courtney CA. Effect of Sternoclavicular Mobilization on Pain and Function in a Patient with Irreparable Supraspinatus Tear: A Case Report. *Physiotherapy Theory and Practice*. 2016 Feb;32(2):153-8.

Emerson Kavchak A, **Mischke J**, Lulofs-Macpherson K, Vendrely A. The psychometric properties of self-report outcome measures in temporomandibular dysfunction. *Physical Therapy Reviews*. Number 3. Volume 19. 2014.

#### Book Chapters:

**Mischke JJ**, Willy RW, Purdam CM. 2022. *Chapter 6: Muscle & Tendon Injuries of the Hip and Knee: Quadriceps, Hamstrings, Adductors, Gluteals*. Hip and Knee Pain Disorders: An Evidenced and Clinical-Based Approach to Integrating Manual Therapy and Exercise. Handspring Publishing.

#### Published Abstracts of Peer Reviewed Presentations at National Conferences:

Center JA, Willy RW, Elias ARC, **Mischke JJ**. Validity of a Commercially Available Load Cell Dynamometer in Measuring Isometric Knee Extension Torque. *J Orthop Sports Phys Ther*. January 2023

Wrolstad K, **Mischke JJ**, Elias ARC. Desmoid Fibromatosis Presenting as Hip Pain in an Outpatient Physical Therapy Clinic: A Case Report. *J Orthop Sports Phys Ther*. January 2022

Krantz J, **Mischke JJ**. A Mysterious Case of Monoarticular Knee Effusion in a 32-Year-Old Male: A Case Report. *J Orthop Sports Phys Ther*. January 2021.

Crippen TJ, **Mischke JJ**. Progressive Loading and 3-Dimensional Modeling to Guide Treatment of a Patient Following Intramuscular Pectoralis Repair. *J Orthop Sports Phys Ther*. January 2020.

**Mischke JJ**, Matthew K, Mizner RL. The Successful Management of Persistent Mid-Portion Achilles Tendinopathy using Sural Nerve Mobilizations and a Heavy-Slow Resistance Program in a Collegiate Softball Player. *J Orthop Sports Phys Ther*. January 2018.

Dettman D, Johnson A, **Mischke JJ**, Mizner RL. Task Demands and Biomechanical Analysis of Performance during the Single Leg Hop for Distance Test after ACL Reconstruction. *J Orthop Sports Phys Ther*. January 2018.

Brooks J, Elias A, Mizner R, **Mischke JJ**. Effects of Neuromuscular Re-education with Jump Training in Female Athlete with Increased Lower Extremity Risk for Injury. J Orthop Sports Phys Ther. January 2018.

Franck CC, **Mischke JJ**, Sault JD, Duncombe AM. Upper Cervical Manual Therapy and Clinical Reasoning in Treatment of Chronic Temporomandibular Disorder: A Case Report. J Orthop Sports Phys Ther. January 2016. \*\*2016 APTA CSM Poster Award Nominee\*\*

Schauerte C, **Mischke JJ**. When Knee Pain is Not Just Knee Pain: Differential Diagnosis of Spine-Related Lower Extremity Pain. J Orthop Sports Phys Ther. January 2016.

**Mischke JJ**, Jayaseelan DJ, Sault JD, Emerson Kavchak AJ. Effect of Manual Physical Therapy on Plantar Heel Pain: A Systematic Review. J Man Manip Ther. 2015.

Lantz JM, **Mischke JJ**, Emerson Kavchak AJ, Courtney CA. The Effects of Joint Mobilization Manual Therapy in the Management of Chronic Non-specific Anterior Knee Pain: A Case Report. J Man Manip Ther. 2015.

Franck CC, **Mischke JJ**, Sault JD, Duncombe AM. Upper Cervical Manual Therapy and Clinical Reasoning in Treatment of Chronic Temporomandibular Disorder: A Case Report. J Man Manip Ther. 2015. \*\*Award winner AAOMPT Conference\*\*

Goostree S, **Mischke JJ**. Lumbar Facet Dysfunction Presenting as Iliotibial Band Syndrome in a Marathon Runner. J Man Manip Ther. 2015.

McFarren J, **Mischke JJ**. Does Myelopathy Matter? Thrust Manipulation in the Treatment of T4 Syndrome with Underlying Cervical Spondylotic Myelopathy. J Man Manip Ther. 2015. \*\*Award winner AAOMPT Conference\*\*

Schauerte C, **Mischke JJ**. When Knee Pain is Not Just Knee Pain: Differential Diagnosis of Spine-Related Lower Extremity Pain. J Man Manip Ther. 2015.

**Mischke JJ**, Emerson Kavchak AJ, Courtney CA. Effect of Adding Sternoclavicular Joint Mobilization on Pain and Function in a Patient with Irreparable Supraspinatus Tear: A Case Report. J Orthop Sports Phys Ther. January 2014.

**Mischke JJ**, Emerson Kavchak AJ, Courtney CA. Effect of Adding Sternoclavicular Joint Mobilization on Pain and Function in a Patient with Irreparable Supraspinatus Tear: A Case Report. J Man Manip Ther. 2013

**Mischke JJ**, Meyer KA, Larsen K, Grindstaff TL. Thoracic Manipulation Does Not Improve Shoulder Range of Motion in Healthy Individuals: A Randomized Controlled Trial. J Orthop Sports Phys Ther. January 2013.

Grindstaff TL, Morton SK, Dolan N, **Mischke JJ**, Meyer K, Pietrosimone BG. Graded Talocrural Joint Mobilization Does Not Alter Lower Extremity Spinal Reflex Excitability in Individuals with Chronic Ankle Instability. J Orthop Sports Phys Ther. January 2013.

Yokota S, Plutschack C, Morton SK, Meyer K, **Mischke JJ**, Grindstaff TL. Effects of

Local and Distant Interventions on Quadriceps Activation and Pain in Individuals with Patellofemoral Pain. J Orthop Sports Phys Ther. January 2013.

Funded/In Review Grant Activity:

2019-Present: University of Montana Small Grant Program (Internal)

- Examination of Internal and External Workload in Patients Returning to Sport after Knee Surgery
- Status: Funded (\$5,000)
- Role: Co-Investigator
- Primary Investigator: Melanie McGrath, PhD, ATC

Current Research Activity:

Jayaseelan DJ, Post A, **Mischke JJ**, Sault JD, Cole K, Chimenti, R. Methodological variation among studies evaluating altered pain processing in tendinopathy: a systematic review. (Manuscript in Preparation).

Center JA, Willy RW, Elias ARC, **Mischke JJ**. Validity of a Commercially Available Load Cell Dynamometer in Measuring Isometric Knee Extension Torque. (In Review).

Crippen TJ, Willy RW, **Mischke JJ**. The use of a novel bone loading program to successfully return a D-1 Cross Country Athlete to Sport following recurrent Bone Stress Injuries: A Case Report. (Manuscript in Preparation).

Mischke JJ, Jayaseelan, DJ, Moody V. The Relationship between Pressure Pain Threshold testing and Central Sensitization Inventory Scores. (In Review).

Mischke JJ, Jayaseelan DJ, Moody V. The Relationship between Central Sensitization Inventory scores, Pressure Pain Threshold testing, and Missed Sports Participation due to Injury. (Manuscript in Preparation).

Mischke JJ, Elias ARC, Bell JJ. Confidence and Effectiveness of Salary Negotiation in New Graduate Physical Therapists. (In Review).

Membership in Scientific/Professional Organizations:

American Academy of Orthopaedic Manual Physical Therapists	2011-Current
American Physical Therapy Association	2008-Current
Academy of Orthopedic Physical Therapy	
American Academy of Sports Physical Therapy	
Academy of Physical Therapy Education	
APTA Private Practice	
Montana Physical Therapy Association	2015-Current

Community Service:

American Association of University Women (AAUW) Salary Negotiation Facilitator	2022-2023
Montana Senior Games	June 2022

Volunteer

Hope Rescue Mission April 2018 to June 2021, September 2022-Current  
Board of Directors  
Vice President  
Finance and Investment Committee

Kenya Medical Training College Higher Diploma in Orthopedic Physiotherapy, May 2017  
Instruction in Lecture and Laboratory for the hip and knee regions

Migrant Worker Screening in Polson, MT, July 2016, July 2017, July 2018, July 2023  
Healthcare Provider

Project Homeless Connect, March 2009, March 2010, March 2012, January 2016  
Healthcare Provider and/or Guide

Union Gospel Mission-Missoula, March 2016 to April 2018  
Class Leader and Mentor

Physical Therapy in the Dominican Republic via Institute for Latin American Concern  
April 2013: Clinical Instructor  
April 2012: Clinical Instructor  
Santiago, Dominican Republic

One World Community Health Center, November 2011 to June 2012  
Pro Bono Physical Therapist to Spanish-speaking Patients

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

Tufts University 2024-Current  
Curriculum Committee

University of Montana 2022-2023  
Provost Faculty Advisory Council (1 of 8 faculty selected)

University of Montana School of Physical Therapy & Rehabilitation Science  
Dual degree (DPT/MBA) student advisor 2022-2023  
Musculoskeletal Curriculum Chair and member 2021-2023  
Residency Faculty Committee Chair and member 2016-2023  
Student Physical Therapy Association Adviser August 2016-August 2017

University of Montana Athletic Training Program  
Clinical Preceptor October 2018-2023  
Master Thesis Committee for Rina Kasuga 2017-18

Professional Service:

Journal of Sports Rehabilitation  
Reviewer 2017-Current

American Academy of Orthopedic Manual Physical Therapists (AAOMPT)

Research Committee	2016-Current
American Journal of Physical Medicine and Rehabilitation. Manuscript Reviewer	2014-2015
Journal of Manual and Manipulative Therapy Manuscript Reviewer	2014, 2022-Current

Honors and Awards:

Independent Plan of Study Faculty Advisor: Ideas Award for Business Venture	2023
Educational Leadership Conference Scholarship Award	2016
AAOMPT Conference Best Poster Award: Cervicothoracic	2015
AAOMPT Conference Best Poster Award: TMD	2015
Creighton University SPAHP Student Leadership Award	2011
Creighton University Nick Steichen Memorial Award	2011

Continuing Education Attended (last 5 years):

Johns Hopkins University Lean Healthcare Management	2023
APTA Residency Competency Evaluation Instrument Training Course	2021
Owens Recovery Science, Blood Flow Restriction Training	2021
American Physical Therapy Association Combined Sections Meeting	2018, 2020
National Institute on Scientific Teaching Mobile Summer Institute	2019

Current Teaching Responsibilities:

DPT 0511 Musculoskeletal Lower Quarter  
DPT 0512 Musculoskeletal Upper Quarter  
DPT 0509 Evidence Based Practice II  
DPT 0526 Business Management Practices