

Leveraging Ultrasound Imaging to Expand the Scope of Traditional Gait Analyses – Online Seminar

The Canadian MSK Rehab Research Network is hosting an online seminar on ultrasound and gait on **August 15th from 12pm to 1:30pm EDT**. The seminar will feature sessions from Dr. Robert Dima, Dr. Derek Pamukoff, and Dr. Matthew Harkey respectively. Dr. Janie Astephen Wilson and Dr. Michael Hunt will co-moderate the session.



CANADIAN MUSCULOSKELETAL
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1. Dr. Robert Dima is a researcher and diagnostic sonographer. His work focuses on sonography professional development, machine learning for image analysis, and clinical quality improvement. Dr. Dima's doctoral work focused on advanced ultrasound techniques and their application to musculoskeletal imaging, particularly in arthritis diagnosis and monitoring. He is dedicated to enhancing sonography education and bridging the gap between research and clinical practice to improve patient outcomes.

2. Dr. Derek Pamukoff is an Associate Professor in the School of Kinesiology at Western University. He examines biomechanical and neuromuscular contributors to knee joint health and performance across the lifespan. Dr. Pamukoff's presentation is titled *Step-by-Step: Optimizing Knee Health through Ultrasound and Biomechanical Analyses*.



3. Dr. Matthew Harkey, Assistant Professor of Kinesiology at Michigan State University, specializes in early detection of knee osteoarthritis following knee injury and surgery. His interdisciplinary research combines movement biomechanics, ultrasound imaging, and patient-reported outcomes to identify risk factors that inform secondary prevention strategies. Dr. Harkey aims to proactively target the early stages of osteoarthritis, potentially altering disease trajectory and improving long-term joint health.



Access this Zoom link to join the Seminar:

<https://westernuniversity.zoom.us/j/95958045784>

The Zoom passcode is: 744651

