



Conference Programme

Friday, 9 August 2024

12.30pm	Conference Welcome Chairman Opening Remarks	Ron Schenk
1.00pm – 2.30pm	Plenary Session I: The Burden of MSK Disability Introduction Burden of MSK – why are we not paying attention and is there a way forward? How can we provide high-value care for our patients? - The role of a Phenotype-Based diagnosis in Musculoskeletal rehabilitation If we are not part of the solution, then.... Session Review	Greg Lynch, Moderator Greg Lynch Jan Hartvigsen Yannick Tousignant-Lafamme Richard Rosedale, Hans van Helvoirt Greg Lynch
2.30pm – 3.00pm	<i>Afternoon Tea</i>	
3.00pm – 4.30pm	Parallel Sessions I (<i>Attendees choose one</i>) Pain: Musculoskeletal Pain Management Better together: Utilizing Therapeutic Alliance Patient Demonstrations	Yannick Tousignant-Lafamme and Faculty Dr. Paolo Sanzo and Faculty Facilitators: Margaret Campbell, Jane Borgehammar, Jose Liberato and Colin Davies
4.30pm – 4.45pm	<i>Rotation Break</i>	
4.45pm – 6.15pm	Plenary Session II: Beyond the Spine Introduction Tendinopathy: If one size fits all is out, then what? - Lessons learned from our Achilles tendinopathy research Treat your own Pelvic Floor Beyond Boundaries: Charting a Transformational Path in Optimal Patient Care through MDT Pelvic Classification. Session Review	Yvonne Body, Moderator Yvonne Body Karin Grävare Silbernagel Carolyn Vandyken Di Wu Yvonne Body
6.15pm – 8.00pm	<i>Conference Welcome Reception</i>	

Saturday, 10 August 2024

7.00am – 8:30am *Breakfast for Registered Conference Attendees who are Registered Guests of the Westin Ottawa. Westin Breakfast Vouchers Required*

8.30am – 10.00am **Parallel Sessions II** (*Attendees choose one*)

[Pain: Musculoskeletal Pain Management](#)

[Yannick Tousignant-Laflamme](#) and Faculty

[Better together: Utilizing Therapeutic Alliance](#)

[Dr. Paolo Sanzo](#) and Faculty

[Patient Demonstrations](#)

Facilitators: Margaret Campbell, Jane Borgehammar, Jose Liberato and Colin Davies

10.00am – 10.30am *Morning Tea*

10.30am – 12.45pm **Plenary Session III: International Tastings: Current MDT Research**

Audrey Long / Melissa Kolski, Moderators

Introduction

Audrey Long

Research Presentations

Hans van Helvoirt, Vicente Hennemann, Ron Schenk

Clinical Cases

Michael Post, Lan Lin Pu

Education

Yvonne Body, Hiroki Chiba

Panel Q & A

Audrey Long

Poster Blast

Poster Presenters

Overview of IMDTRF

Emily Slaven

12.45pm – 2.15pm *Awards Luncheon Buffet*

2.15pm – 3.45pm **Parallel Sessions III** (*Attendees choose one*)

[Sports: Exercise is good for tendinopathy...but how to get my patient back to sports?](#)

[Karin Grävare Silbernagel](#) and Faculty

[Pelvic Health: The Pelvis and Beyond](#)

[Carolyn Vandyken, Di Wu](#) and Faculty

[MDT Beyond the Clinic](#)

Jason Ward, Mark Miller and Ryan Tazuell

3.45pm – 4.00pm *Rotation Break*

4.00pm – 5.30pm **Plenary Session IV: A head's up on concussion**

Georg Supp, Moderator

Introduction

Georg Supp

Let's Talk About Brains - A Clinically Informed Update on the Management of Concussion in the new Millennium

[Dr. Paolo Sanzo](#)

Sorting symptoms

Margaux Lojacono

When a concussion is not a concussion

Dave Pleva / Brian Greer

Discussion

All speakers

Session Summary

Georg Supp

There is no formally planned Conference Social Function, and we encourage attendees to make their own arrangements for the evening.

Sunday, 11 August 2024

7.00am – 8:30am *Breakfast for Registered Conference Attendees who are Registered Guests of the Westin Ottawa. Westin Breakfast Vouchers Required*

8.30am – 10.00am **Parallel Sessions IV** (*Attendees choose one*)

[Sports: Exercise is good for tendinopathy...but how to get my patient back to sports?](#)

[Karin Grävare Silbernagel](#) and Faculty

[Pelvic Health: The Pelvis and Beyond](#)

[Carolyn Vandyken](#), [Di Wu](#) and Faculty

[MDT Beyond the Clinic](#)

Jason Ward, Mark Miller and Ryan Tazell

10.00 – 10.45 *Morning Tea*

10.45am – 1.00pm **Plenary Session V: Future Innovations**

Claus Kjaergaard Moderator

Introduction

Claus Kjaergaard

Self-management: empowering patients to live better lives

[Jan Hartvigsen](#)

Where meaningful innovation starts – Utilising MDT in multidisciplinary settings

Hans van Helvoirt

Centralization 2.0: The Added Value of Digital Tools and Algorithms

Jean-Philippe Deneuille

Panel Discussion / Q&A

Claus Kjaergaard

Chairman Closing Remarks

Ron Schenk

The total contact hours for the Conference are 15.25. Programme is subject to change.

PLENARY SESSIONS OVERVIEW

Plenary Session I - The Burden of MSK Disability

Friday 9 August, 1.00pm – 2.30pm

Introduction	Greg Lynch
Burden of MSK – why are we not paying attention and is there a way forward?	Jan Hartvigsen
How can we provide high-value care for our patients? - The role of a Phenotype-Based diagnosis in Musculoskeletal rehabilitation	Yannick Tousignant-Lafamme
If we are not part of the solution, then....	Richard Rosedale, Hans van Helvoirt
Session Review	Greg Lynch

Objectives: Upon completion of this session, participants will be able to:

1. Identify the main concerns and future potential strategies regarding the current burden of musculoskeletal disability.
2. Differentiate high from low value care and appraise the diagnostic framework we can use to ensure we are providing the quality of care warranted.
3. Evaluate the implications that the burden of musculoskeletal disability and providing high quality care has for specifically for MDT clinicians.

Plenary Session II – Beyond the Spine

Friday 9 August, 4.45pm – 6.15pm

Introduction	Yvonne Body
Tendinopathy: If one size fits all is out, then what? - Lessons learned from our Achilles tendinopathy research	Karin Grävare Silbernagel
Treat your own Pelvic Floor	Carolyn Vandyken
Beyond Boundaries: Charting a Transformational Path in Optimal Patient Care through MDT Pelvic Classification.	Di Wu
Session Review	Yvonne Body

Objectives: Upon completion of this session, participants will be able to:

1. Indicate the scope of MDT management with patients experiencing symptoms related to musculoskeletal impairments beyond spinal presentations.
2. Develop clinically informed management strategies for achilles tendinopathy.
3. Differentiate the role of an MDT assessment process in the classification of patients diagnosed with symptoms related to pelvic health issues.

Plenary Session III – International Tastings: Current MDT Research

Saturday 10 August, 10.30am – 12.45pm

Introduction	Audrey Long
Research Presentations	Hans van Helvoirt, Vicente Hennemann, Ron Schenk
Clinical Cases	Michael Post, Lan Lin Pu
Education	Yvonne Body, Hiroki Chiba
Panel Q & A	Audrey Long
Poster Blast	Poster Presenters
Overview of IMDTRF	Emily Slaven

Objectives: Upon completion of this session, participants will be able to:

1. Discuss new findings in education, clinical case studies, and research advancements on mechanical diagnosis and therapy through platform and poster presentations on the novel and innovative integration of MDT strategies.
2. Stimulate Critical Thinking and Discussion in the areas of MDT through question and answer session.
3. Highlight practical applications of research through case studies and the application of MDT principles.

Plenary Session IV– A head’s up on concussion

Saturday 10 August, 4.00pm – 5.30pm

Introduction	Georg Supp
Let's Talk About Brains - A Clinically Informed Update on the Management of Concussion in the new Millennium	Dr. Paolo Sanzo
Sorting symptoms	Margaux Lojacono
When a concussion is not a concussion	Dave Pleva / Brian Greer
Discussion	All speakers
Session Summary	Georg Supp

Objectives: Upon completion of this session, participants will be able to:

1. Identify common and less common signs and symptoms in patients diagnosed with concussion.
2. Develop a clinically informed understanding of the contemporary management of concussion.
3. Understand the role of an MDT assessment in the classification of patients diagnosed with concussion.

Plenary Session V – Future Innovations

Sunday 11 August, 10.45am – 1.00pm

Introduction	Claus Kjaergaard
Self-management: empowering patients to live better lives	Jan Hartvigsen
Where meaningful innovation starts – Utilising MDT in multidisciplinary settings	Hans van Helvoirt
Centralization 2.0: The Added Value of Digital Tools and Algorithms	Jean-Philippe Deneuveille
Panel Discussion / Q&A	Claus Kjaergaard

Objectives: Upon completion of this session, participants will be able to:

1. Identify the challenges and barriers to implementing patient empowerment in therapeutic management.
2. Evaluate new digital tools and algorithms within MDT.
3. Discuss the value of MDT within the scope of interdisciplinary cooperation.

Description of Parallel Sessions (Workshops):

Friday 3.00pm – 4.30pm

Saturday 8.30am – 10.00am

1. MUSCULOSKELETAL PAIN MANAGEMENT WORKSHOP

Description: This intensive Musculoskeletal Pain Management Workshop is designed for healthcare professionals seeking to enhance their expertise in assessing and addressing the complexity of common musculoskeletal (MSK) disorders and optimizing pain management outcomes. With a focus on diagnostic frameworks, social factors, and psychological principles, this workshop empowers participants to elevate their practice and better serve individuals with MSK-related pain.

Objectives: Upon completion of this workshop session, participants will gain strategies to:

1. Review the role of a diagnostic framework to assess and address the complexity and heterogeneity of common MSK disorders and the management of musculoskeletal pain.
2. Identify the primary social factors of chronicization, their clinical identification and the impact on the pain management effectiveness.
3. Review strategies of the application of psychological principles into rehabilitation and pain management.

Dr. Tousignant-Laflamme: General view of chronic pain through a framework

- Introduce a diagnostic framework - the Pain and Disability Drivers Management model.
- Review the relevance of the five domains of the model and identify the different elements related to pain and disability associated with low back pain.
- Establish the clinical profile of a patient based on the elements within each domain.
- Discuss potential evidence-based solutions (intervention) plan that focuses on the key elements driving pain and disability in MSK pain.

2. BETTER TOGETHER: UTILIZING THERAPEUTIC ALLIANCE

Description: The practice of contemporary clinical patient care is both a science and an art. It involves not only a proposed targeted intervention being delivered but also that the relational interaction between the clinician and the patient is enhanced. The optimization of the clinician patient interactions has been termed therapeutic alliance or therapeutic relationship.

MDT, utilizing the evidence of the patient to inform decision making, seeking a patient specific plan of care and the promotion of self-management, embodies the principles of therapeutic alliance / relationship. Having an improved understanding of the theoretical conceptualization of therapeutic alliance / relationship, along with communication factors that are central to and correlate with enhancing alliance will give MDT clinicians improved strategies to facilitate and effect beneficial change in their patient interventions and interactions.

Facilitators: [Dr. Paolo Sanzo](#) (Canada), Mark Cheel (Australia), Georg Supp (Germany), Jo Chambers (Scotland)

Objectives: Upon completion of this session, participants will gain strategies to:

1. Have a conceptualization of the differences between therapeutic relationship and therapeutic alliance.
2. Be able to recognize subtle pitfalls in communication and turn the corner at the right moment.
3. Be able to discuss how to avoid Nocebo when we use manual techniques.

3. PATIENT DEMONSTRATIONS

Description: During these Patient Demonstration Workshops participants will have the opportunity to observe live assessments on patients with spinal and extremity problems performed by McKenzie Institute Instructors. The instructors will guide the participants through their clinical reasoning process focusing on differential diagnosis and utilizing an online tool to facilitate understanding of the full MDT classification system.

Facilitators: McKenzie Institute Senior Faculty (To be confirmed)

Objectives: Having attended the Patient Demonstration Workshop, the participants will be able to:

1. Evaluate how a comprehensive MDT assessment is applied to the specific patient presentations for the spine and extremities.
2. Distinguish between the potential MDT classifications that are more or less likely with the specific patient presentations.
3. Evaluate and reflect upon their own MDT assessments and differential diagnosis in relation to the workshop evaluations presented.

Description of Parallel Sessions (Workshops):

Saturday 2.15pm – 3.45pm

Sunday 8.30am – 10.00am

1. SPORTS: EXERCISE IS GOOD FOR TENDINOPATHY...BUT HOW TO GET MY PATIENT BACK TO SPORTS?

Description: Exercise for tendinopathy may seem straight forward until you have the patient in front of you. This workshop will use patient cases (Achilles tendon and shoulder) to describe how to treat a patient with tendinopathy from the early stages until return to sport. An emphasis will be on exercise activities and potential barriers to these.

Facilitators: [Karin Grävare Silbernagel](#) (USA), Christian Garlich (Germany), Josh Kidd (USA)

Objectives: Upon completion of this session, participants will gain strategies to:

1. Devise and implement evidence-based exercise progressions based on objective findings and scientific evidence for patients with lower limb tendinopathy.
2. Identify obstacles to recovery with exercise and how to address those with the individual patient
3. Develop an individualized rehabilitative plan of care for return to sport in patients with tendinopathy.

2. PELVIC HEALTH: THE PELVIS AND BEYOND

Description: Pelvic health is a rapidly growing area of interest for clinicians and awareness in the general public. More than ever patients are searching for answers to problems they may have “just lived with” in the past. This workshop brings together two experts in the field who have both found MDT useful within their respective approaches to screening, assessment, and treatment.

Objectives: Upon completion of this workshop session, participants will gain strategies to:

1. Understand, assess, and treat Lumbopelvic pain and pelvic floor dysfunction from an underlying MDT perspective.
2. Utilize a validated screening questionnaire for bladder/bowel function, sexual function and comorbid urogynecological conditions.
3. Establish accurate symptomatic and functional baselines for patients with pelvic pain.
4. Differentiate the origin of male pelvic pain through common spinal or pelvic floor loading strategies.

Carolyn Vandyken: Low back pain, pelvic pain and the big picture (45min)

Lumbopelvic pain and pelvic floor dysfunction (PFD) are highly correlated. MDT clinicians need to screen bladder and bowel function beyond cauda equina syndrome to effectively address the ever-increasing level of disability associated with chronic low back pain. Learn to use a validated screening questionnaire to ask those tough questions about bladder/bowel function, sexual function and comorbid urogynecological conditions. A case study will be used to illustrate the role of initially screening and treating LBP utilizing an MDT perspective but expanding beyond that to include pelvic health and central pain mechanisms to provide full resolution and recovery of function.

PELVIC HEALTH: THE PELVIS AND BEYOND – CONTINUED...

Di Wu: Mastering MDT Pelvic Forms for Pelvic Pain Management (45min)

In this workshop, the clinical case of a male with urinary and sexual dysfunction following a lower back injury will be presented. Participants will be taken step by step through the assessment, classification and management of the patient using MDT principles in a biopsychosocial framework. We will look at how to establish proper functional baselines, recognize "red flags", and address the different drivers of pain and disability. We will also learn how to educate the patient with urinary, bowel, and/or sexual dysfunction. Finally, we will discuss the role of the clinician in pelvic health and how to communicate with other healthcare professionals involved in the patient's care.

Objectives: Upon completion of this session, participants will gain strategies to:

1. Utilize evidence-based screening tools to assess relevant lower urinary tract symptoms, psychosocial considerations of lumbopelvic pain, sexual health and bowel health
2. Develop basic skills to increase literacy in talking to your patients about bladder and bowel function as well as sexual function
3. Understand the potentially significant role of MDT in pelvic health and when to refer to specialty physiotherapy clinics or urology clinics

3. MDT BEYOND THE CLINIC

Description: We're all persuaded of the efficacy of a sound mechanical exam per Mechanical Diagnosis and Therapy in our clinics. Perhaps we can extend our reach to those with musculoskeletal disorders beyond the clinic. Join us in a workshop to explore proven methods to effectively deliver a mechanical assessment in the workplace, via technology-enabled additional touch points, and through donated care for the underprivileged. Attendees will hear unique considerations clinicians should understand for best care and optimal outcomes within industry where our patients work. Examples will be shown of how extra-clinical patient encounters including telehealth, automated education and artificial intelligence-produced patient engagement to ease clinicians' burden while improving work flow. And, accounts will be given of how MDT care has been extended through local and global efforts in remote locales across languages and cultures to the underserved.

Facilitators: Mark Miller (Florida, USA), Ryan Tazell (Virginia, USA), and Jason Ward (Tennessee, USA)

Objectives: Upon completion of this session, participants will gain ideas and strategies to:

1. Understand important considerations and best practices for optimal outcomes in applying MDT in the workplace including those for the patient, the employer and the clinician.
2. Identify what digital innovations are available to aid MDT clinicians in delivering care, ideas of how to use technology to ease and improve workflow and enhance patient's experience.
3. Discover the personal satisfaction and reward for offering care to the under-served whether in your own back yard or in remote under-developed countries halfway across the globe

Keynote Speakers



Karin Grävare Silbernagel, PT, ATC, PhD - USA

Karin Grävare Silbernagel PT, ATC, PhD is a Professor and Associate Chair at the Department of Physical Therapy, University of Delaware, Newark, DE USA. She is a clinical scientist with a strong record of mentoring clinical scientists. Her expertise is in orthopaedics and musculoskeletal injury with a focus on tendon and ligament injury. She has been a physical therapist for over 30 years and performed research for over 20 years. Clinically she has worked with recreational to elite athletes in various sports, and consult for the NFL, and teams in the MLS, NBA, MLB, and the Premier league. At University of Delaware, she is the principal investigator of the Delaware Tendon Research Group and the Delaware ACL Research Group. Her work has been directly integrated into the clinical guidelines for treatment of patients with tendon injuries. She has presented her research at numerous conferences and published in peer-reviewed journals (140+ published articles to date). She has also been invited to speak about her research at conferences nationally and internationally. Her research approach is to evaluate tendon health and recovery by quantifying tendon composition, structure, and mechanical properties, as well as patients' impairments and symptoms. Her research is funded by the NIH, Foundation for Physical Therapy, Swedish Research Council for Sport Science, and Swedish Research Council.



Jan Hartvigsen, DC, PhD - Denmark

Prof. Jan Hartvigsen is an internationally leading researcher and research leader in musculoskeletal health. His focus is on improving care for people with musculoskeletal pain and disability and he takes pride in breaking down barriers between disciplines and bringing together people from diverse backgrounds in productive collaborations. His primary research focus is clinical studies of musculoskeletal pain and disability increasingly with a focus on how to implement evidence-based care in clinical settings and health systems.

Professor Hartvigsen has been a member of many national and international committees. He has worked as scientific consultant for the World Health Organization (WHO) in 2019, and he is currently member of the WHO Guideline Development Group for Primary Chronic Low Back Pain. He was deputy-chair of the landmark Lancet Low Back Pain Series that was published in The Lancet in 2018. He has also been member of Danish National Clinical Guideline committees under the Danish Health Authority for the treatment of cervical radiculopathy, lumbar radiculopathy, shoulder pain, back pain and persistent symptoms after concussion.

Jan Hartvigsen was rated as the world's number one expert in "Musculoskeletal Pain" (2016) and in "chiropractic" (2019) by Expertscape.com. In 2021 he was pronounced "World Expert" in Back pain because he had been ranked in the top 0.1% 10 years in a row. In 2017 he was awarded the "Researcher of the Year" award by the American Chiropractic Association and the "David Chapmann-Smith Honorary Award" by the World Federation of Chiropractic. In 2018 he was awarded the European Chiropractors' Union Honorary Award.



Dr. Paolo Sanzo, DSc, MSc, BScPT, FCAMPT, CAFCI – Canada

Dr. Paolo Sanzo is the Assistant Dean of the Faculty of Health and Behavioural Sciences and an Associate Professor in the School of Kinesiology at Lakehead University and at the Northern Ontario School of Medicine University. He is also the Director of Active Potential Rehabilitation Services. He is a Clinical Specialist (Musculoskeletal) Physiotherapist and an instructor, examiner, and lead examiner for the Advanced Integrated Musculoskeletal program of the Orthopedic Division of the Canadian Physiotherapy Association. Dr. Sanzo was the elected past Member Organization Delegate for Canada and was appointed to the executive committee of the International Federation of Orthopaedic Manipulative Physical Therapists (IFOMPT) in the role of Treasurer in October 2017 and was elected as the Vice President of IFOMPT in 2020. His research interests are in the area of rehabilitation and sports medicine. More specifically, his research integrates the clinical, biomechanical, and physiological aspects of human movement and gait analysis. It also includes the exploration of the medical and clinical uses and effects of extracorporeal shockwave therapy as it applies to failed tendon and bone healing responses, the clinical application and rationale for the use of therapeutic taping and bracing as an adjunct to rehabilitation and aiding in sport performance, the biomechanical analysis of concussion, manual therapy and length tension testing and the relationships between muscle and myofascial tissues in various musculoskeletal disorders, and the integration of medical technologies for both assessment and treatment purposes. He has published articles in several peer-reviewed journals, authored four books on length tension testing techniques in the upper and lower quadrants, and serves as a reviewer for several journal titles.



Yannick Tousignant-Laflamme, PT, PhD – Canada

Dr Tousignant-Laflamme, PT, PhD is a Full Professor at the Université de Sherbrooke, Qc, Canada. He received his degree in physical therapy from the University of Ottawa (1999), and then worked as a clinician for five years, mostly with patients with chronic pain. Afterward, he moved to the Université de Sherbrooke and began his research training in clinical sciences (pain management), where he obtained his Master's in 2005 and PhD in 2008. After a postdoctoral fellow at the Université de Montreal, he began as tenure-track faculty in the School of Rehabilitation. His teaching experience mainly relates to pain science/management and orthopaedics. He acted as PT program director from June 2014 to 2022 and also serves as Board member of the College of Physical Therapist of Québec (OPPQ). His current research program revolves around three main aspects targeting the management of chronic pain, namely 1) the evaluation of the effect or the effectiveness of pain management strategies specific to the field of physiotherapy, 2) the personalization of rehabilitation care and 3) the development and validation of measurement tools. In 2016-2017, he completed a sabbatical at Duke University (Durham, NC, USA), where he mainly worked on the development of the Pain and Disability Management Model, in collaboration with local researchers.



Carolyn Vandyken, BHSc (PT) – Canada

Carolyn Vandyken is a physiotherapist, educator, researcher and advocate in the areas of low back pain, pelvic health and pain science. She became an MDT credentialled therapist in 1999, holds a CBT certificate from Wilfred University, and has been practicing in the field of pelvic health for the past 20 years. Practicing as a physiotherapist for 36 years, she teaches post-graduate pelvic health courses that are steeped in pain science and won the Medal of Distinction from the Canadian Physiotherapy Association in 2021, the distinguished Education Award from the OPA in 2015 and the YWCA Women of Distinction Award in 2004. Carolyn presents extensively at international conferences and has co-authored multiple chapters and papers on central pain mechanisms and pelvic pain. She is actively involved in research with Dr. Sinead Dufour (McMaster University, Canada) and Dr. Judith Thompson (Curtin University, Australia) and has published multiple studies on the connection between low back pain and pelvic floor dysfunction.



Di Wu, PT, MSc(A), MMed, MBBS

Di Wu trained as a medical doctor and completed his residency in Beijing, China. He practiced as an Orthopedic Surgeon for several years before establishing himself in Montreal, Canada. He attended McGill University and obtained a Master's degree in Physical Therapy. Having developed a strong interest in the link between spinal conditions and pelvic pain syndrome, Di innovatively used Mechanical Diagnosis and Therapy as a screening tool to rule out spinal sources of pelvic pain and dysfunction. He described this approach in a case study published in the journal *Physiotherapy Theory and Practice*.

Di is now a physical therapist and director of the V-Active clinic, where he provides services for a wide range of health conditions, including musculoskeletal disorders and male pelvic-related issues.