



ORTHOPAEDIC RESEARCH DAY
May 7, 2025 | 8:00 AM – 4:00 PM PDT

Chair: Dr. Fay Leung and Dr. Michael Bond, UBC Department of Orthopaedics

Judges: Dr. Ruby Grewal and Dr. Gerard Slobogean

Podium Presentations

8:00 – 8:10	Opening Remarks		
Time	Speaker	Title	Supervisor
8:10 – 8:20	Ian Kennedy	Periprosthetic joint infection: development of a core outcome set	Don Garbuz
8:20 – 8:30	Matthew Seah	Survivorship of revised and multiply-revised total hip arthroplasties: A comprehensive analysis from a high volume center	Lisa Howard
8:30 – 8:40	Liam Yapp	First Revision Total Hip Arthroplasty for Instability: 10-Year Outcomes and Risk Factors Associated with Failure	Mike Neufeld
8:40 – 8:50	Tanya MacDonell	The use of ceramic heads with titanium sleeves on retained femoral stems in aseptic revision total hip arthroplasty is not associated with femoral head-neck junction failures at midterm follow up	Michael Neufeld
8:50 – 9:00	Said Sadiqi	Functional outcomes as measured by AO Spine PROST between surgical and nonsurgical treatment for neurologically intact patients with thoracolumbar burst fractures	Charlotte Dandurand

9:00 – 9:10	James McDonald	Surgical vs Non-operative Management of Mild Degenerative Cervical Myelopathy	Nicolas Dea
9:10 – 9:20	William Chu Kwan	Recurrence and Survival Outcomes after Surgery for Spinal and Sacral Chordoma and Chondrosarcoma: a single-center 14-year retrospective review.	Raphaelle Charest-Morin
9:20 – 9:30	Amardeep Singh Sekhon	Impact of hemodynamic management and anticoagulation timing on intraparenchymal hemorrhage progression and functional recovery after acute traumatic spinal cord injury	Brian Kwon
9:30 – 9:40	Milad Yazdani	Flow-Matching Denoising for Enhanced CT Imaging: A Unified Framework for Noise Reduction and Structural Preservation	Dena Shahriari
9:40 – 10:00 – Break			
10:00 – 10:10	Vishvas Shetty	Sarcopenia Predicts Delayed Ambulation in Geriatric Fragility Fractures of the Pelvic Ring Treated Nonoperatively	Aresh Sepehri
10:10 – 10:20	Alice Wang	Blood flow restriction training after orthopaedic procedures: A scoping review on current trends and functional outcome assessments	Kelly Lefavire and David Stockton
10:20 – 10:30	Chris Hurry	Comparative Prognostic Value Of Preoperative Serum Markers In Geriatric Hip Fracture Patients: Troponin I, Brain Natriuretic Peptide, And Neutrophil-Lymphocyte Ratio	Aresh Sepehri
10:30 – 10:40	Kaid van Kampen	The Origins of the Orthopod Stereotype - a longitudinal survey study on medical students' perspectives on orthopedics	Emily Schaeffer
10:40 – 10:50	Nicole Krysa	From Injury to Reconstruction: How Rapid Access Acute Knee Clinics Expedite Adolescent Anterior Cruciate Ligament Injury Management	Lise Leveille
10:50 – 11:00	Clariz Patricio	Correlation between Fibular Hemimelia and Hip Dysplasia: A Quantitative Analysis	Anthony Cooper
11:00 – 11:10	Duneesha De Silva	Perspectives of Patients and Caregivers Impacted by Developmental Dysplasia of the Hip	Kishore Mulpuri & Emily Schaeffer
11:10 – 11:20	Yousif Murad	Automated IHD Classification Using Deep Convolutional Neural Networks	Kishore Mulpuri

11:20 – 11:30	Harsh Kahlon	Health Related Quality of Life Of Children with Fibular Hemimelia - the Nine Year Experience of a Regional Children's Hospital	Anthony Cooper
11:30 – 11:40	Luckshman Bavan	Wearable Inertial Sensors for Paediatric Gait Assessment: A Systematic Review	Kishore Mulpuri
11:40 – 11:50	James Sant	Variability in Post-Operative Management of Developmental Dysplasia of the Hip: A Surgeon's Survey	Emily Schaeffer

11:50 – 12:00pm – Additional Question and Answer Period / Catch up Time

12:00 – 1:00pm – Lunch Break

1:00 – 1:30 pm – **Guest Speaker: Dr. Ruby Grewal** “Bones, Burnout and Balance: Life as an Academic Surgeon”

1:30 – 2:00pm

Time	Speaker	Title	Supervisor
1:30 – 1:40pm	Helen Crofts	3D MRI and 3D CT reconstructions provide comparable accuracy in the evaluation of femoroacetabular morphology: a systematic review	Parth Lodhia
1:40 – 1:50pm	Jenny He	Suture Tape Reinforcement is Equivalent to Lateral Extra-Articular Tenodesis When Added to Hamstring Tendon Autograft Anterior Cruciate Ligament Reconstruction in a Retrospective Cohort	Alex Hoffer
1:50 – 2:00pm	Taylor Ricci	Correlation Between 3T MRI and Intraoperative Findings in Femoroacetabular Impingement	Parth Lodhia
2:00 – 2:10pm	Tudor Trache	Cotton Osteotomy: Do Different Bone Graft Choices Affect Union?	Andrea Veljkovic

2:30 – 4:00pm – Poster Session (Light Refreshments Provided)

Poster Presentations

Name	Title	Supervisor
Gina Peck	Medical Assistance in Dying within Orthopaedics: A Cross Sectional Survey of Canadian Orthopaedic Surgeons Experience and Opinions	Phil Hache
Haydn Molcak	Debridement, antibiotics, and implant retention for periprosthetic joint infections following revision hip and knee arthroplasty.	Michael Neufeld
Molly Joffe	Open reduction and internal fixation of lateral tibial plateau fractures without use of bone void augmentation: a retrospective quality assurance review	Darius Viskontas
Nicola Horwood	Implant Related Factors for Head or Neck Junction Failure requiring Revision and Re-Revision Total Hip Arthroplasty	Michael Neufeld
Akash Chopra	A new way to classify Cam morphology of the hip to help guide surgical planning.	Parth Lodhia
Shahriar Shalileh	A Fully implantable, flexible optical device for neuromodulation of the spinal cord	Dena Shahriari
Elham Mohseni	Design and Development of a Soft and Implantable Sensor-Actuator Assistive Device for Bladder Management after Spinal Cord Injury	Dena Shahriari
Iraj Dehghan Hamani	THE EFFECT OF GLYCERINATED STORAGE SOLUTION ON FIBER, FIBER BUNDLE, AND WHOLE MUSCLE ELASTIC MODULUS	Thomas Oxland
Edward Hoptoncann	Lateral meniscus posterior root tears lead to an increase in maximum compressive cartilage strain	David R. Wilson
Mehdi Nourizadeh	Utilizing near-infrared spectroscopy to monitor and assess muscle spasticity in children with cerebral palsy undergoing Botox treatment	Kishore Mulpuri and Babak Shadgan
Mohammad Alfalasi	A Scoping Review of the Use of Functional Outcome Measures in Lower Extremity Trauma Literature in Low- and Middle-Income Countries	Philip Hache
Nima Ashjaee	Effects of Using Generic vs. Subject-Specific Muscle Properties on Spinal Load Prediction Across Different Posture Simulations	Thomas Oxland
Luis Dias	Dynamic Shear Loading in the Cervical Spine: Replicating Boundary Conditions for Fracture-Dislocations in Head Impacts	Thomas Oxland and Peter Crompton
Ke Xin (Katie) Chen	Development and Clinical Validation of an Optically Tracked 2D Ultrasound System for Guiding Treatment of Developmental Dysplasia of the Hip	Antony Hodgson

Taryn Ludwig	Do Outcomes Differ Between Semi-Elective and Emergent Treatment of Spinal Metastases? A retrospective Cohort Study Investigating Outcomes and Adverse Events	Raphaelle Charest-Morin
Elsa Daniel Alemayehu	A Comparative Analysis of percutaneous epiphysiodesis using transphyseal screw (PETS) versus percutaneous drilling and curettage (PDC) for Addressing Limb-Length Discrepancy	Anthony Cooper
Aidan Beresford	Epidemiology of Spinal Cord Injury in British Columbia, Canada: 20 years of population-based administrative data.	Michael Bond
Naif Alanazi	A fully automated approach to adult hip radiographs	Parth Lodhia
Clariz Patricio	Proximal vs. Distal Femoral Derotation Osteotomy in Pediatric Patients: A Systematic Review of Outcomes	Kishore Mulpuri
Jackson Robinson	Weight Bearing Monitoring Devices in Lower Extremity Fractures: A Scoping Review	David Stockton
Gina Peck	Medical Assistance in Dying within Orthopaedics: A Cross Sectional Survey of Canadian Orthopaedic Surgeons's Experience and Opinions	Phil Hache
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Mejbel Alajmi	The Infra-platysmal approach to diaphyseal clavicle fractures	David Cinats
Robyn Birch	Giant Cell Tumor of Bone	Rizhi Wang