



ORTHOPAEDIC RESEARCH DAY

May 20, 2021 | 8:00 AM – 5:00 PM PST

Chair: Dr. Henry Broekhuyse

Review Panel: Dr. Lise Leveille, Dr. Babak Shadgan, Dr. Adrian Huang

Note:

1. All presentations are strictly limited to **6 minutes**, followed by a **4 minute** discussion period with the review panel
2. All attendees are encouraged to submit questions using the Zoom “Chat” function. Presenters will respond to these questions using Zoom “Chat” after their presentation has been completed.

0800 – 0805:

Welcome and Opening remarks – Dr Mulpuri

Morning Research Presentations (6 min. presentation + 4 min. discussion)

0805 – 0815:

Mikaela Peters (R3)- Effect of Orthopaedic Resident Education on Screening for Intimate Partner Violence (Lefaiivre)

0815 – 0825:

Hannah Nazaroff (R3)- The State of Musculoskeletal Education in Canadian Family Medicine Training Programs (Huang)

0825 – 0835:

Mary Sun (R2)- Is there a need for musculoskeletal ultrasound education in Canadian orthopaedic surgery programs? (Broekhuyse)

0835 – 0845:

Taylor Crown (R2) - Assessing the quality of a residency training program and Competency by Design in Orthopaedic Surgery (Leung, Broekhuyse)

0845 – 0855:

Lynn Murphy (Clinical Fellow)- Gender Diversity, Leadership, Promotion and Opportunity among the Members of the Orthopaedic Trauma Association (Lefaiivre)

0855 – 0905:

Azita Sharif Ahmadian (Graduate Studies) - Development of a Statistical Shape and Intensity Models of Eroded Scapulae to Improve Shoulder Arthroplasty (Josh Giles)

0905 – 0915:

Daniella Crocker (R2) - Does Intraoperative Vancomycin Powder Affect Postoperative Infections in Adolescent Idiopathic Scoliosis? (Miyangi)

0915 – 0925:

Eryck Moskven (R1) - Factors Associated with Increased Length of Stay in Degenerative Cervical Spine Surgery: Cohort Analysis from the Canadian Spine Outcomes and Research Network (CSORN) (Street)

0925 – 0935:

Mohamed Al-Amoodi (R1) - The Effect Of Sarcopenia On Early Mortality And Adverse Events After Emergent Surgery For Spinal Fractures In Patients With Ankylosing Spondylitis (Street)

0935 – 0945: Break

0945 – 0955:

Kellen Walsh (R3) - Acute reverse total shoulder arthroplasty versus open reduction and internal fixation, total shoulder arthroplasty, hemiarthroplasty and non-operative management of acute proximal humerus fractures in the elderly: A systematic review and meta-analysis

0955 – 1005:

Akshay Lobo (R3) - Intraoperative assessment and accuracy of glenoid base plate insertion in total shoulder arthroplasty (Goel)

1005 – 1015:

Helen Crofts (R1) - Initial glenoid component position does not affect short-term clinical and radiologic outcomes in total shoulder arthroplasty (Regan)

1015 – 1025:

Hanny Chen (R1) - Implementation of a novel rapid access shoulder clinic: A pilot project (Huang)

1025 – 1035:

Maciej Simon (Clinical Fellow) - Systematic review of surgical results of chronic distal biceps ruptures (Lodhia)

1035 – 1045:

Islam Elnagar (Clinical Fellow) - Elbow hemiarthroplasty versus total arthroplasty for the treatment of distal humerus fracture (Moola)

1045-1055: Break

1055 – 1105:

Colby Finney (R3) - Radiographic Determination of the Distal Ulnar Diaphyseal Angle (DUDA) (Daneshvar)

1105 – 1115:

Gabriel Larose (Clinical Fellow) - he Trajectory of Long-Term Recovery Following ORIF for Distal Radius Fractures (Lefavre)

1115 – 1125:

Stefan St George (R4) - The Recurrence rate of diffuse Tenosynovial Giant-Cell Tumour of the knee following staged open synovectomy (Clarkson)

1125 – 1135:

Alex Hoffer (R4) - Follow-up After ACL Reconstruction: How Long is Long Enough? (Leith)

1135 – 1145:

Doug Kingwell (Clinical Fellow) - ACL hamstring graft preparation: A modified technique to significantly reduce your time on the back table (Leith)

1145 – 1155:

Matthew Hickey (Graduate Studies) - Does Use of Navigation or Robotics Reduce TKA Revision Rates Enough to Justify Broad Adoption? A Simulation-Based Power Analysis (Hodgson, Masri)

1155 – 1300: Lunch – must vacate auditorium

Afternoon Research Presentations: (6 min. presentation + 4 min. discussion)

1300 - 1310:

Aresh Sepehri (R4) – Does Pelvic Arterial Embolization Increase Surgical Site Infection in Trauma Patients Undergoing Pelvic Ring Fixation (Guy)

1310-1320:

Aly Alsaifan (R3) – Fractures of the Pelvic Ring: Factors Predictive of Arterial Pelvic Hemorrhage Requiring Embolization, and Complications Associated with Embolization

1320– 1330:

James Yan (Clinical Fellow) - Outcomes in resuscitative endovascular balloon occlusion of the aorta (REBOA) in hemodynamically unstable patients with pelvic ring injuries: A systematic review (Viskontas)

1330 – 1340:

Prashant Pandey (Graduate Studies) - What are the Optimal Targeting Visualizations for Performing Surgical Navigation of Iliosacral Screws? A Crossover Trial (Hodgson, Guy)

1340 – 1350:

Michael Nitikman (R4) - Nonmodular Tapered Fluted Titanium Stems Perform Reliably at Medium Term in Revision THR (Howard)

1350 – 1400:

Abdul Almeshari (R2) - Return to High Intensity Sport Following Hip and Knee Arthroplasty (Greidanus)

1400 – 1410:

Emily Bliven (Graduate Studies) - A Novel Method for Observing Hip Fracture during Impact Simulating a Sideways Fall (Cripton, Guy)

1410 – 1420:

Carly Jones (Graduate Studies) - dGEMRIC T1 is Reduced in Cartilage Overlying Bone Marrow Lesions in the Hip (Wilson)

1420 – 1430:

Luke Johnson (Graduate Studies) - Digitally reconstructed radiographs to evaluate the effect of patient position on hip migration percentage (Wilson, Mulpuri)

1430 – 1440:

David Stockton (R5) - Unreamed Intramedullary Nailing versus External Fixation for the Treatment of Open Tibial Shaft Fractures in Uganda: A Randomized Clinical Trial (O'Brien)

1440 – 1450: Break

1450 – 1500:

Njalalle Baraza (Clinical Fellow) - Health Related Quality of Life in Children with Fibular Hemimelia (Cooper)

1500 – 1510:

Tess Carswell (Graduate Studies) - Sex differences in spatiotemporal gait parameters of transtibial amputees (Josh Giles)

1510 – 1520:

John Steyn (R3) - Cost Analysis and outcome differences for staged vs non-staged pes planovalgus foot reconstruction (Veljkovic)

1520 – 1530:

Tanya MacDonell Levels of Evidence for Joint-Preserving Surgeries in Ankle Osteoarthritis: 2021 Update (Younger, Penner)

1530 – 1540:

Paul Kulyk (Clinical Fellow) - Catastrophic Polyethylene Failure in the Scandinavian Total Ankle Replacement (STAR): An Analysis of Patient and Implant-related Factors (Penner)

1540 – 1550:

Charlotte Allen (Clinical Fellow) - Bony Ankle Impingement: Does SPECT scan uptake correlate with location and severity of pain? (Veljkovic)

1550 – 1600:

Diogo Cardoso (Clinical Fellow) - Association of alignment and anterior ankle impingement (Veljkovic)

1600 – 1610:

Masoud Malakoutian (Graduate Studies) - Biomechanical Properties of Paraspinal Muscles in Adult Spinal Deformity Patients – A Preliminary Analysis (Oxland)

1610 – 1620:

Dynai Eilig (Clinical Fellow) - Soft tissue procedures as treatment for planovalgus deformity (Veljkovic)

1620-1630:

Review Team Closing Comments

1630: *Adjourn*