

RESEARCH DAY
MAY 2, 2018
PAETZOLD AUDITORIUM
VANCOUVER GENERAL HOSPITAL

ORTHOPAEDIC UPDATE AND BCOA ANNUAL MEETING
IMPROVING PATIENT CARE AND OUTCOMES: HOT TOPICS AND CONTROVERSIES IN 2018
MAY 3-4, 2018
MORRIS J. WOSK CENTRE (ADJACENT TO THE DELTA SUITES HOTEL)
580 WEST HASTINGS AVE (AT SEYMOUR ST.), VANCOUVER, BC

WEDNESDAY, MAY 2, 2018 – PAETZOLD CENTRE, VGH

- 0700 – 0800 **REGISTRATION AND REFRESHMENTS**
- 0800 - 0805 *Welcome and Opening remarks* – Dr. Bas Masri
Chair: Dr. Henry Broekhuysse
Moderators: Dr. P. Beaulé, Dr. J. Baumhauer, Dr. A. Veljkovic
- Session 1:** **Research Presentations** (6 min. presentation + 4 min. discussion)
- 0805 – 0815 Can the Oxford Knee and Hip Score Identify Patients that Don't Require Total Knee or Hip Arthroplasty? -
Dr. M. Neufeld – R4
- 0815 -- 0825 Functional Outcomes of One versus Two Component Revision in Total Knee Arthroplasty – Dr. S. Ko – R4
- 0825 – 0835 Technical Considerations and Survivorship of Unicompartmental Knee Replacements to Total Knee
Replacement Revisions in a Single-Center – Dr. L. Howard - Fellow
- 0835 – 0845 Dynamic Deformation of the Femoral Head Occurs During Weight Bearing in Early Legg-Calve-Perthes
Disease: a pilot study – Dr. R. Lohre – R2
- 0845 – 0855 Independent Factors Associated with Patient Surgical Outcomes – Dr. L. Anderson –
- 0855 – 0905 Treatment of Dermatofibrosarcoma Protruberans with Wide Local Excision – Dr. O. Zarnett – R2
- 0905 – 0915 Open MRI Measurements of Hip Kinematics – S. Zakani – Post-doctoral Fellow
- 0915– 0925 Computerized Assessment of 3-D Ultrasound Scan Adequacy to Enhance Reliability in Evaluating
Developmental Dysplasia of the Hip – O. Paserin – MSc. candidate
- 0925 – 0935 Individualized 3-D Printed Templates in Corrective Osteotomy of the Femur and Pelvis: systematic review –
Dr. C. Chapman - Fellow
- 0935 – 0945 Levels of Evidence in Pediatric Orthopaedics: are we improving? - Dr. K. Stampe -Fellow
- 0945 – 0955 Implementing an Electronic Handover Tool for Orthopaedic Trauma at VGH: a quality improvement
initiative – Dr. H. Nazaroff – R1
- 0955 – 1005 Resident Involvement in Surgical Fracture Management: a survey of UBC's Orthopaedic Trauma education
– Dr. J. Hunter – R2
- 1005 – 1015 The UBC Department of Orthopaedic Surgery Residency Selection Process: what is it based on and how are
we doing? – Dr. C. Day – R3
- 1015 – 1030 **REFRESHMENT BREAK**
- 1030 – 1040 An Artificial Intelligence Framework for Intraoperative Assessment of Pedicle Screws – H. Esfandiari – PhD
candidate

- 1040 – 1050 The Effect of Velocity and Timing of Residual Compression in a Rodent Dislocation Spinal Cord Injury Model – J. Speidel – MSc candidate
- 1050 – 1100 C-Arm Targeting for Ilio-Sacral Screws – Dr. I. McIntyre – R2
- 1100 – 1110 Surgical Versus Radiation Therapy for the Treatment of Cervical Metastases: from the epidemiology, process, and outcomes of spine oncology (EPOS0) cohort – Dr. M. Bond – R4
- 1110 – 1120 Safety and Efficacy of Silver Alloy Coated Urinary Catheters in Patients with Acute Traumatic Cervical Spinal Cord Injury – Dr. S. Hanbing-Zhou - Fellow
- 1120 – 1130 Adverse Events in Enbloc Resection and Surgery for Primary Bone Tumours and Metastatic Lesions in the Spine – Dr. S. Srinivas - Fellow
- 1130 – 1140 Interpreting Neurologic Recovery in Acute Spinal Cord Injury – Does the Timing of the Baseline Neurologic Examination Influence Outcome? - Dr. B. Sharifi - Fellow
- 1140 – 1150 Do Corticosteroids Used in Regional Blocks Result in Increased Rates of Nerve Injury? Dr. A. Cheema – R3

1150 – 1200

1200 – 1245 LUNCH FOR ALL ATTENDEES

Session 2: **Research Presentations** (6 min. presentation + 4 min. discussion)

- 1245 – 1255 The Efficacy of Repeated Attempts of Distal Radius Fractures – Dr. A. Hoffer – R1
- 1255 – 1305 Coronoid Opening Angle: a novel radiographic technique to assess bone loss in coronoid fractures – Dr. M. Nitikman – R1
- 1305 – 1315 Assessing the Effects of Humeral Rotation on the Reliability of Radiographic Measurement of the Head-Shaft Angle Following Operative Fixation of Proximal Humerus Fractures – Dr. A. Sepehri – R2
- 1315 – 1325 Patient-Related Outcomes of Surgical Treatment of Ulna-Carpal Impaction – Dr. T. Mwaturura - Fellow
- 1325 – 1335 Ulnar Foveal Sign is Not a Specific Test for Foveal Detachment of the Triangular Fibrocartilage – Dr. G. Jarvie - Fellow
- 1335 – 1345 The Volume-Outcome Relationship in Orthopaedic Surgery: a systematic review – Dr. D. Banaszek - Fellow
- 1345 – 1355 Sexual and Urinary Function after Pelvic Fracture – Dr. D. Spence – Fellow
- 1355 – 1405 Retrospective Study on Second-Generation Trabecular Metal Total Shoulder Arthroplasties: preliminary results – Dr. Jane Yeoh - Fellow
- 1405 – 1415 Are Prophylactic Antibiotics Required in Shoulder Arthroscopic Surgery? A case-control study – Dr. J. Baraza - Fellow

1415 – 1430 **REFRESHMENT BREAK**

Session 3: **Research Presentations** (6 min. presentation + 4 min. discussion)

- 1430 – 1440 The Institutional Cost of Revision Ankle Fusions for Non-Union – Dr. O. Gagne – R3
- 1440 – 1450 Comparison of Outcomes and Re-operation Rates of Ankle Arthroplasty and Ankle Fusion Between a University Teaching Hospital Versus a Private Surgical Center – Dr. J. Fairley – R3

- 1450 – 1500 Regional Variation in Outcomes of Ankle Arthrodesis – Dr. A. Albaghdadi – R2
- 1500 – 1510 Variability in the Reporting Terminology of Adverse Events in Ankle Fracture Fixation – Dr. S. St. George – R1
- 1510 – 1520 Recombinant Human Platelet-Derived Growth Factor (rh-PDGF-BB) vs Autogenous Bone Graft for Ankle Fusions – Dr. H. Al-Rumaih – Fellow
- 1520 – 1530 A Proposed Radiographic Predictive Score for Failure in Total Ankle Arthroplasty: a COFAS study – Dr. M. Escudero - Fellow
- 1530 – 1540 Postoperative Coronal Alignment Predicts Total Ankle Replacement Failure: a COFAS study – Dr. B. Le – Fellow
- 1540 – 1550 A Randomized Prospective Study Comparing Ligament Reconstruction and Tendon Interposition (LRTI) with the Ascension PyroDisk for Trapeziometacarpal Osteoarthritis – Dr. E. Villemare-Cote - Fellow
- 1550 – 1600 Cemented and Uncemented Hemiarthroplasty for Hip Fractures: a 5 year experience – Dr. I. Abdullah - Fellow
- 1600 – 1610 Hip Cartilage Damage in Adolescents With Healed Legg-Calve-Perthes Disease – C. Jones – MSc. candidate
- 1610 – 1620 Understanding Musculoskeletal Literacy in an Orthopaedic Trauma Population: a cohort study – Dr. J. Nevin – R4

ADJOURN

THURSDAY MORNING , MAY 3, 2018 – MORRIS J. WOSK CENTRE

0700 – 0800 **CONTINENTAL BREAKFAST**

Session 4: *Improving Patient Care and Outcomes: “Short-stay Total Hip/Knee Arthroplasty”*

0800 – 0805 Chair/Opening remarks – Dr. B. Masri

0805 – 0820 Establishing a Successful “Same-Day Discharge” Total Joint Arthroplasty Program – Dr. P. Beaulé

0820 – 0835 Short-Stay Hip and Knee Arthroplasty—a practical approach with emphasis on safety/quality– Dr. B. Masri

0835 - 0850 The Anterior Approach: an essential technique for same-day discharge THA? – Dr. P. Beaulé

0850 – 0905 Minimal-Incision Posterolateral Approach: still the “gold standard” for short-stay THA? – Dr. N. Greidanus

0905 – 0920 Outcomes and Complications of MIS THA Approaches: an evidence-based evaluation – Dr. N. Greidanus

0920 – 0945 Panel Discussion

0945 – 1015 REFRESHMENT BREAK

**Session 5: *Improving Patient Care and Outcomes:
“The Relevance of Patient Reported Outcomes and Adverse Event Reporting to Clinical Practice”***

Chair – Dr. N. Greidanus

1015 – 1035 **Morton Lecture: Dr. J. Baumhauer**

Title: Patient Reported Outcomes: How They are Changing the Care We Provide to Our Patients

1035 – 1050 Incorporating Patient Reported Outcome Measurement in Routine Clinical Practice – Dr. A. Younger

1050 – 1105 Patient-Reported Outcomes Relevant to Care of the Pediatric Orthopaedic Patient – Dr. T. Cooper

1105 – 1120 Improving Outcomes of Hip Arthroscopy in the Young Adult Population: lessons learned – Dr. Parth Lodhia

1120 – 1140 Adverse Event Reporting and Developing a Framework for Continuous Quality Improvement (CQI) – Dr. P. Beaulé

1140 – 1150 Discussion

1150 – 1210 ALVAL after Metal on Polyethylene Hip Replacement: Update 2018 – Dr. C. Duncan

1210 – 1215 Discussion

1215 - 1300 LUNCH FOR ALL ATTENDEES

Session 6: *Improving Patient Care and Outcomes: “Joint Preservation and Optimization”*

Chair – Dr. H. Broekhuysen

1300 – 1320 **Patterson Lecture: Dr. P. Beaulé**

Title: Unraveling the Pistol Grip/Cam Deformity of the Hip: Origins to Joint Degeneration

1320 – 1330 Mild Dysplasia and Hip Joint Preservation – Dr. K. Mulpuri

1330 – 1340 Hip Arthroscopy for Joint Preservation/Optimization – Dr. M. Gilbert

- 1340 - 1350 Joint preservation Surgery of the Knee: current status for 2018 - Dr. Mark McConkey.
- 1350 – 1400 Injection Therapy for Optimization of Joint Preservation -Myth or Magic– Dr. R. McCormack
- 1400 – 1410 Discussion
- 1410 – 1420 The Science Behind New Technologies for Forefoot Deformities – Dr. J. Baumhauer
- 1420 – 1430 Joint Preserving Surgeries of the Ankle: what to do in 2018? – Dr. M. Penner
- 1430 – 1440 Avoiding Complications in Shoulder Arthroplasty implant /technique considerations– Dr. P. Chin
- 1440 – 1450 Optimization of the Joints of the Hand and Wrist – surgical options for 2018 – Dr. T. Goetz
- 1450 – 1500 The Role of the Intra-Pelvic Approach in Acetabulum Fracture Fixation in Young and Older Patients – Dr. P. Guy
- 1500 – 1515 Discussion
- 1515 – 1545 **REFRESHMENT BREAK**
- Session 7:** ***Breakout sessions / Case Discussions***
- 1545 – 1700 **Breakout Session #1: Complex Cases of Hip/Knee: preservation, optimization, reconstruction**
Room:
Case discussion
Chair: Dr. N. Greidanus
Faculty: Dr. P. Beaulé, Dr. C. Duncan, Dr. J. Potter, Dr. K. Mulpuri, Dr. McCormack, Dr. Chin, Dr. McConkey
- 1545 – 1700 **Breakout Session #2: Complex Cases of Foot/Ankle Reconstruction and Trauma-solutions/controversies**
Room:
Case discussion
Chair: Dr. A. Younger
Faculty: Dr. J. Baumhauer, Dr. M. Penner, Dr. A. Veljkovic, Dr. D. Malish, Dr. K. Apostle
- 1700 **ADJOURN**

FRIDAY MORNING, MAY 4, 2018

0700 – 0800 Continental Breakfast

Session 8: Improving Patient Care and Outcomes: “Optimizing Patient Satisfaction and Minimizing Complaints/Risk/Malpractice”

0800 – 0805 *Opening Remarks/Chair – Dr. B. Masri*

0805 – 0835 For Orthopaedic Surgeons, Minimizing Patient Complaints is All About Communication: the CPSBC perspective – Dr. J.G. Wilson

0835 – 0900 Avoiding the Unhappy Patient-- Perspectives on Risk Minimization and Risk Management: the hospital administrative perspective – W. Findlay

0900 – 0915 Panel Discussion

0915 - 0930 **Royal College Lecturer: Dr. Mike Moran**
Title: What are your Patients Hearing? The Noise Out There

0930 – 1000 **REFRESHMENT BREAK**

Session 9: Improving Patient Care and Outcomes: “Improving Outcome and Minimizing Complications/Adverse Events”

Chair – Dr. M. Moran

1000 – 1020 Prevention of Surgical Site Infection: what’s new for 2018? - Dr. B. Masri

1020 – 1040 Perioperative Optimization/Management of the Medically-Complex Orthopaedic Patient – Dr. E. Sloan

1040 – 1100 Strategies for Orthopaedic Pain Management, Minimizing Narcotic Dependency, Optimizing Outcome – Dr. A. Sutherland

1100 – 1110 Is it the Back or the Hip? Differentiating Spine vs Hip Pathologies: strategies for evaluation/treatment – Dr. J. Street

1110 – 1120 Adverse Event Reporting Improves Quality of Care – Dr. J. Street

1120 – 1130 Pediatric Musculoskeletal Infections: what to know and when to worry – Dr. C. Reilly

1130 – 1140 Osteoporotic Hip Fracture Management: prosthetic selection to minimize complications – Dr. H. Broekhuysen

1140 – 1150 Optimizing Outcome in Clavicle Fractures: What’s Gained By Doing Surgery? – Dr. B. Perey

1150 – 1200 Primum Non Nocere: A Paradigm Shift in Virtual Surgeon Education - Dr. D. Goel

1200 – 1220 **McGraw Lecture: Dr. Andrea Veljkovic**
Title: Management of Ankle Arthritis

1220 – 1315 **LUNCH FOR ALL ATTENDEES AND ALL BCOA MEMBERS**

BCOA AFTERNOON SESSIONS (ALL BCOA MEMBERS WELCOME)

Session 10: Improving Patient Care and Outcomes: “New Technology-Tips/Tricks/Techniques”

Chair – Dr. A. Younger

- 1315 – 1325 Polyvinyl Alcohol Implant for Hallux Rigidus – Dr. J. Baumhauer
- 1325 – 1335 Custom 3-D Printing Prosthetic Implants for Complex Hip Reconstruction – Dr. B. Masri
- 1335 – 1345 The Dual-Mobility Hip Prosthesis: indications/techniques – Dr. D. Garbuz
- 1345 – 1355 Percutaneous Foot and Ankle Surgery: the way forward – Dr. A. Younger
- 1355 - 1405 New Techniques in Ankle Syndesmosis Fixation - Dr. P. Guy
- 1405 – 1415 Distal Humerus Fractures-what’s hot, what’s not – Dr. P. Daneshvar
- 1415 – 1425 Advances in Targeted Nerve-Transfer Surgery: indications/techniques – Dr. T. Goetz
- 1425 – 1435 Adolescent ACL Reconstruction: techniques for 2018 – Dr. C. Reilly
- 1435 – 1445 Innovative Techniques to manage Shoulder /Elbow Pathology– Dr. B. Regan
- 1445 – 1500 **Refreshment Break**
- 1500 – 1530 **UBC Department of Orthopaedics Faculty-wide Departmental Meeting**
Chair – Dr. B. Masri
- 1530 – 1700 **BCOA BUSINESS MEETING**
CHAIR – DR. A. YOUNGER
- 1) BC INSTITUTE UPDATE
 - 2) ACCESS TO CARE CAMPAIGN
 - 3) CODING PRINCIPLES AND BEST PRACTICES
 - 4) BUSINESS MEETING AGENDA (AGENDA TO BE DISTRIBUTED ON-SITE)
- 1700 ADJOURN

FRIDAY EVENING, MAY 4, 2018

- 1830 UBC Department of Orthopaedics
Graduation, Alumni and Awards Banquet
Shaughnessy Golf and Country Club