

COA/CORS/Hip Symposium Preliminary Program
June 15-18, 2017, Westin Ottawa Hotel,
and Shaw Convention Centre

Thursday, June 15

COA Committee Day

(see Committee and Affiliates Schedule www.coaannualmeetings.ca)

Canadian Orthopaedic Residents' Association (CORA) Annual Meeting

(See www.coraweb.org for regular updates)

8:00 Registration and Breakfast

9:00-12:00 CORA Paper session

12:00-12:55 Lunch and Poster Viewing

13:00-15:00 CORA Symposium: *Navigating a Career in Orthopaedics: Different Perspectives on a Common Journey*

Speakers: Geoffrey Wilkin, Kevin Smit, Darren Drosdowech, Don Johnson

20:00 CORA Social Event at Blue Cactus Bar and Grill (Tickets \$10/person, includes one drink and hors d'oeuvres. Cash bar available. Don't miss this opportunity to network with colleagues from across the country!)

Hip Symposium

8:00-9:00 Hip Symposium Session 1: Introduction to the Pre-Arthritic Hip

Moderator: Paul E. Beaulé, ON

Objectives:

1. Describe history and physical examination of the pre-arthritis hip.
2. Identify key plain radiographic findings as well as normal variants.
3. Summarize role of 3-dimensional imaging.
4. Discuss Natural History of FAI & Dysplasia.

Speakers:

- History/Physical Examination: A Comprehensive Approach - Ernest Sink, US
- Plain Radiographs and Normal Variants - Etienne Belzile, QC
- Is 3D Useful or Too Much Radiation? - Justin Cobb, UK
- Understanding the Anatomy/The Patient: The Key to Reconstructing the Joint - Richard Santore, US

9:00-9:50 Hip Symposium Session 2: Evolution in Techniques and Protocols in FAI Surgery

Moderator: Richard Field, UK

Objectives:

1. Organize the treatment of torsional deformities of the femur.
2. Present key technical steps for Acetabular Retroversion correction.
3. Outline key technical aspects for CAM correction.
4. Define techniques for labral reconstruction.

Speakers:

- PAO for Retroversion: When and How - Klaus Siebenrock, CH
- The CAM Deformity: Avoiding Under/Over Correction - Thomas Byrd, US
- Are We Anchoring Too Many Labrums? - Christopher Larson, US
- Do Femoral Torsion and Acetabular Version Matter in FAI surgery? - Michael Millis, US

9:50-10:50 Hip Symposium Session 3: The Young Athletic Hip

Moderator: Richard Santore, US

Objectives:

1. Review current understanding of impact of sporting activities on the developing skeleton in teenage years.
2. Review indications for hip arthroscopy and/or open hip surgery to correct bony abnormalities.
3. Discuss patient indications and expectations after hip preserving surgery of the hip.

Speakers:

- Are our Kids Doing Too Many Sports? - Klaus Siebenrock, CH
- Hip Arthroscopy in the Very Young - Sasha Carsen, ON
- Indications for Open Surgery (PAO/SD) - Etienne Belzile, QC
- Should there be an Age Limit for Hip Arthroscopy? - Thomas Byrd, US

10:50-11:10 Coffee Break - Exhibit Hall

11:10-12:00 Hip Symposium Session 4: Revision Hip Preservation

Moderator: Michael Millis, US

Objectives:

1. Review current failure mechanisms associated with hip preservation surgery.
2. Review indications for re-interventions either arthroscopically or by open surgery.
3. Discuss outcomes of revision hip preserving surgery.

Speakers:

- Evaluating the Failed Hip Arthroscopy - Martin Beck, CH
- When to or Not to Re-intervene? Open Surgery - Richard Santore, US
- When to or Not to Re-intervene? Arthroscopy - Christopher Larson, US
- Defining Modes of Failure - Paul E. Beaulé, ON

11:30-13:00 Lunch - Exhibit Hall

13:00-16:30 Hip Symposium Workshop: Arthroscopy and Joint Preserving
(offsite; registration required) - 13:00 Shuttle to Sim Centre

Objectives:

1. Apply hip arthroscopy portal placements.
2. Apply labral anchor/repair.
3. Apply technique of examination of the peripheral compartment: Moving from central to peripheral, visualization of medial fold, retinacular vessels.
4. Apply capsular repair; Illustrate technique of peri-acetabular osteotomy.
5. Illustrate technique of surgical dislocation.

Instructors:

- Paul E. Beaulé, ON
- Femi Ayeni, ON
- Martin Beck, CH
- Etienne Belzile, QC
- Thomas Byrd, US
- Sasha Carsen, ON
- Wade Gofton, ON
- Klaus Siebenrock, CH
- Ivan Wong, NS
- Christopher Larson, US
- Michael Millis, US
- Richard Santore, US
- Earnest Sink, US
- Geoffrey Wilkin, ON

17:30-19:00 Opening Ceremonies

Guest Speaker: Milt Stegall, US

The Off-field Work that Fueled my Body of Work

19:00-21:00 President's Welcome Reception in the Exhibit Hall

Friday, June 16

7:30-12:30 Hip Symposium Workshop: Surgical Approaches for Rapid Recovery Laboratory (offsite; registration required) - 7:30 Shuttle to SIM Centre
Moderator: Wade Gofton, ON

Objectives:

1. Demonstrate the anterior approach with and without a positioning table.
2. Demonstrate direct superior and minimally invasive posterior approaches.
3. Demonstrate implantation of hip resurfacing.
4. Illustrate revision surgery thru anterior approach.

Instructors:

- Paul E. Beaulé, ON
- Etienne Belzile, QC
- Keith Berend, US
- Joel Matta, US
- Richard Field, UK
- Wade Gofton, ON
- Glen Richardson, NS
- Paul Kim, ON
- Douglas Naudie, ON
- Michael Tanzer, QC

7:50-9:20 COA Paper Session: Hand/Upper Extremity

Moderators: Danny Goel, BC; Gurpreet Dhaliwal, AB

J.A. Nutter Award Winner, 2016: Jason Shin, SK *Characterization of Posterior Glenoid Bone Loss in Posterior Shoulder Instability*

7:50-9:20 COA Paper Session: Paediatrics

Moderator: Brian Black, MB; Presider: Luke Gauthier, NS

7:50-9:20 CORS Paper Session: Arthroplasty

Moderators: Alberto Carli, ON; Rizhi Wang, BC

7:50-9:20 COA/CORS Paper Session: Spine

Moderators: Fackson Mwale, QC; Albert Yee, ON

7:50-9:20 COA ICL: Foot & Ankle - Hallux Valgus

Moderators: Monika Volesky, QC; Mark Steeves, ON

Objectives:

1. Optimally appraise and evaluate candidates for Hallux valgus surgery.
2. Become familiar with multiple operative techniques of hallux valgus correction and apply them in their clinical practice
3. Formulate strategies to address typical complications after hallux valgus surgery.
4. Improve patient satisfaction and increase the efficiency of running an Orthopaedic bunion practice.

Speakers:

Demystifying the Bunion: Managing the Patient and Expectations - Roger Haene, NB

Technique Tips and Tricks:

- Distal Osteotomies - Philippe-Hugo Champagne, QC
- Proximal Osteotomies - Stéphane Leduc, QC
- Lapidus - Heather Barske, MB

Complications in Hallux Valgus Surgery: What Went Wrong and how to make it Right - Ian Winson, *BOA President*

7:50-9:50 COA Paper Session: Critical Issues and Education

Moderators: Ted Tufescu, MB; Marcia Clark, AB

9:30-11:00 COA/Hip Symposium ICL: Paediatrics - Management of Hip Dysplasia in the Older Child/Adolescent

Moderator: Baxter Willis, ON

Objectives:

This session will review the indications for surgical management of hip dysplasia and its sequelae in older children and adolescents. The spectrum of management options currently available will be discussed and guidelines will be provided for matching a given patient with the most appropriate surgical option and for optimizing their long-term outcomes.

Speakers:

- Interventions in the Pre-Adolescent - Kishore Mulpuri, BC
- Avoiding Pitfalls when Treating DDH - Michael Millis, US
- Indications for Combined Procedures in the Older Adolescent - Ernest Sink, US
- Avoiding Reoperations for Dysplasia: The FEAR Index - Martin Beck, CH

9:30-11:00 COA ICL: Foot & Ankle/Trauma - Modern Trends in Foot and Ankle Surgery

Moderator: Richard E. Buckley, AB

Objectives:

1. Understand the latest techniques for reducing Lis-Franc injuries.
2. Understand surgical indications and approaches for displaced intra-articular calcaneal fractures.
3. Understand the latest evidence-based approach to treatment of the syndesmotic injury.
4. Understand the recent changes in treatment approaches for the posterior malleolus fracture.

Speakers:

- Fusion or Fixation Lis Franc Fractures - Matthew RG Menon, AB
- Full ORIF vs. Limited Approach for Calcaneal Fractures - Jeremy LaMothe, AB
- Tightrope vs. Screws for Syndesmosis - Herman Johal, ON
- Posterior Malleolus - ORIF or Observe - Ted Tufescu, MB

9:30-11:00 COA/Hip Symposium ICL: Sports Medicine - Hip Arthroscopy

Moderator: Daniel Whelan, ON

Objectives:

1. Review the basics of hip arthroscopy.
2. Discuss the evidence published in hip arthroscopy.
3. Describe labral reconstruction and cartilage reconstruction techniques.
4. List predictive factors for good clinical results in hip arthroscopy.

Speakers:

- Hip Arthroscopy 101 - Thomas Byrd, US
- What Are the Published Results on Hip Arthroscopy? - Femi Ayeni, ON
- Labrum Reconstruction and Cartilage Repair Techniques - Ivan Wong, NS
- What Factors Predict Good Clinical Results in Hip Arthroscopy: Patient Selection or Surgical Expertise? - Christopher Larson, US

9:30-11:00 CORS Paper Session: Joints and Arthritis

Moderators: Janie Wilson, NS; Margarete Akens, ON

10:00-11:00 COA Symposium: Publishing, Navigating the Literature, and Applying for Research Grants - *Maximizing your COA membership and Affiliate Benefits*

Moderator: Veronica Wadey, ON

Objectives

1. Participants will have a greater understanding of some of the various educational resources offered through COA membership and our affiliate partners.
2. Speakers will provide tips on how to more effectively use these resources and services to benefit your practice, education and research efforts.

Speakers:

Publishing Your Research: Optimizing Your Chances

Speaker: Professor Fares Haddad, Editor-in-Chief, The British Editorial Society of Bone & Joint Surgery

Learn the best ways to ensure that your research has the optimal chance at being published, how to get it through the peer review process most efficiently, and how the literature should guide decision-making will be also be highlighted from the Editor-in-Chief of the Bone & Joint Journal (*formerly known as JBJSBr*)

OrthoEvidence: It's More Than Just a Database!

Speaker: Brad Petrisor, ON

OrthoEvidence is a presumed to be simply a database of the best evidence in orthopaedics. True. However, it's much more than that. Learn how to use the various tools and resources offered through this site to gain valuable CME credits and navigate through summaries of the highest quality MSK research relevant to your field, practice and peers.

Got a Research Idea? Grow it with the COF

Speaker: Erin Boynton, COF Research Committee Member

The Canadian Orthopaedic Foundation is expanding its research program, awarding more grants than ever before and aiming to put Canadians at the

forefront of the world's orthopaedic research community. Hear about funding opportunities and learn tips to help you to submit a successful grant application.

10:45-11:30 Coffee Break - Exhibit Hall

11:15-12:15 Canadian Orthopaedic Residents' Association (CORA) Board Meeting

11:30-12:30 Plenary Session: Founders Update and COA Business Meeting

Founders Update: Sam Park, ON

Biocompatibility of Bone Allograft Toughened with a Novel Irradiation-driven Sterilization Method for Large Segmental Defects: An in vivo Rabbit Study

11:45 COA Business Meeting

12:30-14:00 Lunch in Exhibits

13:00-14:00

COA Focus Group (by invitation only)

Canadian Orthopaedic Research Society (CORS) Business Meeting

Canadian Orthopaedic Foot & Ankle Society (COFAS) Business Meeting

Canadian Shoulder and Elbow Society (CSES) Business Meeting

14:00-15:30 COA/Hip Symposium: Paediatrics - Update on Management of SCFE in Paediatrics

Moderator: Ron El-Hawary, NS

Objectives:

1. Identify techniques for management of SCFE in paediatrics.
2. Discuss key technical steps for acute SCFE correction.
3. Review clinical results and complications with acute SCFE correction.

Speakers:

- Avoiding Disaster in SCFE: Is it Possible? - Technique Tips for Fixation - In Situ Pinning vs. Open Reduction: When, How, Who? - Neil Saran, QC
- Boston's Experience - Michael Millis, US
- Bernese's Experience - Klaus Siebenrock, CH
- Managing the Complications of SCFE and SCFE Surgery - Ernest Sink, US
- Now that I've Heard the Experts, what am I Going To Do With My Next SCFE Patient? A Critical Analysis of the Evidence from The View of a Community Orthopaedic Surgeon - David Nelson, BC

14:00-15:30 COA Symposium: Hand - Carpal Instability and Arthritis Current Concepts

Moderator: Thomas Goetz, BC

Objectives:

1. Understand treatment algorithms for S-L tear.
2. Understand current surgical options for S-L reconstruction.
3. Understand causes of mid carpal instability.
4. Understand treatment options and outcomes for MCI.

5. Update current treatment of established wrist arthritis - salvage options.

Speakers:

- SL Topic - Acute vs. Chronic - When to Save, When to Salvage - Ruby Grewal, ON
- Midcarpal Instability and Hypermobility of the Wrist - Herb Von Schroeder, ON
- Salvage Procedures for Chronic Carpal Instability and Arthritis - Geoffrey Johnston, SK

14:00-15:30 COA Symposium: Education - Using Data to Improve Orthopaedic Care

Moderator: Eric Bohm, MB

Objectives

1. Be familiar with past, present and future outcome measures in orthopaedics (including PROMs and PREMs).
2. Understand how they can be used to improve quality of care.
3. Understand how they can be used to demonstrate value in orthopaedic care.
4. Understand their limitations.

Speakers:

- Introduction - Eric Bohm, MB
- Types of Data that can be Collected- Michael Dunbar, NS
- What is the Value in Healthcare? Thomas Ferguson, MB
- Using Data in Ontario to Improve Quality and Value - James P. Waddell, ON
- Using Data to Improve Care Delivery in Orthopaedic Trauma - Hans Kreder, ON

14:00-14:45 CORS Symposium: 3D Printing

Moderator: Fackson Mwale, QC

Summary: Additive manufacturing, also known as 3D printing, has emerged over the past 3 decades as a technology for rapid prototyping and manufacturing. The constantly improving quality of 3D-printing applications has contributed to their increased use on patients. This symposium will highlight developments in 3D printing technology that has occurred in recent years and its potential role in the treatment of osteoarthritis. We will summarize for the clinician, the enormous benefits of 3D printing in the medical care of patients.

Objectives:

1. What is 3D printing and how are 3D printed models or implants generated?
2. To understand the present state of 3D printing in orthopaedic applications.
3. What are the advantages and limitations of 3D printing?
4. Future directions and challenges for clinical translation.

Speaker:

Principles and Applications of Medical 3D Printing - Frank Rybicki, ON

14:45-15:30 CORS Macnab Lecture: Musculoskeletal Tissue Engineering

Moderator: Fackson Mwale, QC

Objectives:

1. Understanding tissue engineering of load-bearing connective tissues.
2. Clinical problems and translational solutions.
3. Models of musculoskeletal injury.

Speaker:

From Allografts to Scaffolds: Applications of 3D printing in Bone Tissue Engineering-
Hani Awad, US

14:00-16:30 Hip Symposium Session 5: Minimizing Adverse Events in Primary THA

Moderator: Fares Haddad, UK

Objectives:

1. Name the biomechanical factors influencing hip function; Summarize economic impact of a shortened hospital stay.
2. Explain what factors can influence patient recovery.
3. Summarize risks and complications with a shortened length of stay.
4. Discuss the role of Large Head Ceramic Bearings.
5. Summarize how to minimize complications in patients with elevated BMI.
6. Discuss current literature on peri-prosthetic joint infections and organisms.

Speakers:

- Biomechanics of the Hip for the Orthopaedic Surgeon - Mario Lamontagne, QC
- How do I Get it Right? (version, leg length...) - Joel Matta, US
- When do I Use Ceramic Heads? ALWAYS - Donald Garbuz, BC
- When do I Use Ceramic Heads? NEVER- Steven MacDonald, ON
- Outpatient THA - CON - Michael Tanzer, QC
- Outpatient THA - PRO - Keith Berend, US
- How to Investigate a Painful MoM THA? - Douglas Padgett, US
- High BMI: Surgery or No Surgery - Paul Kim, ON
- What To Do With Resistant Organisms in the Treatment of PJI - Henri Migaud, FR

15:30-16:00 RI Harris Lecture, Richard Hawkins, US

The Journey, Orthopaedics and Life

16:00-17:30 COA ICL: Paediatrics - Challenging Upper Limb Injuries in the Paediatric Patient - Fix it Now or Fix it Later? Comparing Adult and Paediatric Solutions via a Case-based Discussion

Moderator: Susan Thompson, MB

Objectives:

In this session, the challenges and options for management of children and adolescents with acute upper limb injuries including medial epicondyle fractures, radial neck fractures, chronic Monteggia injuries and forearm fractures with

DRUJ injuries will be discussed. Panelists will discuss these issues from the contrasting views of the paediatric vs. adult orthopaedic surgeon and will provide expert tips for managing these injuries and avoiding or minimizing complications and maximizing patient satisfaction.

Panelists:

- Carmen Brauer, AB
- Graham King, ON
- Mathilde Hupin, QC
- Robert Chan, AB

16:00 - 17:30 COA Symposium: Education - Lessons from the Visiting Presidents. How do You Measure Health Outcomes in your Country?

Moderator: Kevin Orrell, *COA President Elect*, NS

Objectives:

1. International discussion of evaluation of Health Outcomes
2. Are there better ways to do this domestically
3. Is it possible to collaborate internationally to create a more efficient method to perform this outcome measure?

Speakers:

Canada: Peter B. MacDonald, *COA President*

US: Gerald Williams jr., *AAOS President* / Sanford E. Emory, *AOA President*

United Kingdom: Ian Winson, *BOA President*

New Zealand: Richard Keddell, *NZOA President*

South Africa: Adriaan van Zyl, *SAOA President*

Australia: Ian Incoll, *AuOA President*

16:00-17:30 COA Symposium: COA Symposium: Canadians Contributing to Global Surgery Efforts in the World Today (COAGS)

Moderator: Paul Moroz, US

Objectives:

1. To inform COA members of work currently being done by other COA members in Global Health (orthopaedic surgery in vulnerable populations, including in Canada).
2. To learn more about the challenges and barriers in addressing the burden of musculoskeletal health in the world today.
3. To offer COA members opportunities for learning more about Global Surgery, and/or opportunities for them to participate in Global Health Efforts around the World.
4. The terms Global Health and Global Surgery are used interchangeably to denote the concept that surgery is an indisputable component of basic health-care for all.

Speakers:

- Introduction - Paul Moroz, US
- Making Global Surgery Work as a Community Orthopaedic Surgeon - Steve Croft, NL

- Report on Global Surgery from Canadian Academic Orthopaedic Programs - David Stockton, BC
- The Ethics of Global Surgery: “What Could go Wrong with Intentions Like ours?” (Interactive, Case-based discussion) - Neil White, AB
- Norman Bethune Orthopaedic Travel Scholarship to Wenzhou, China - Alan Giachino, ON; Paul Moroz, US
- Opportunities for Paediatric Orthopaedic Surgeons in Tanzania Training Program– Paul Moroz, US

16:00-17:30 COA Paper Session: Adult Reconstruction Hip 1

Moderators: Gavin Wood, ON; Brent Lanting, ON

16:30-17:30

Knee Fireside Chat - Bring your Tough Cases!

Moderator: Rajiv Gandhi, ON

Sports Fireside Chat - Bring your Tough Cases!

Moderators: Laurie Hiemstra, AB; Robert Litchfield, ON; Nicholas Mohtadi, AB

Foot and Ankle Fireside Chat- *Moderators:* Karl-André Lalonde, ON; Marc Bouchard, QC

17:30-19:00 Poster Pub

Network with colleagues and industry partners over a drink and peruse this year's posters in the exhibit hall. *Cash bar.*

Saturday, June 17

7:50-9:20 COA Update Session: Upper Extremity Trauma - Complications and how to Avoid Them

Moderator: Michael D. McKee, ON

- **Shoulder Fractures Complications - Michael D. McKee, ON**
Objectives:
 1. Identify surgical indications for proximal humeral fractures.
 2. Innovative plating strategies to minimize hardware failure and intra-articular screw penetration following open reduction and internal fixation of proximal humeral fractures.
 3. Recognize indications for arthroplasty following proximal humeral fracture, including tuberosity management.
- **Elbow Fractures Complications - J Pollock, ON**
Objectives:
 1. Identify indications for total elbow arthroplasty following distal humeral fracture.
 2. Learn plating strategies that minimize hardware failure following open reduction and internal fixation of intra-articular distal humeral fractures.
 3. Learn indications for, and correct sizing of, radial head replacement for radial head fracture.
- **Distal Radius Fractures Complications - Ruby Grewal, ON**
Objectives:
 1. Technical considerations to avoid "escape" of the volar-ulnar fragment following volar plating of distal radial fractures.
 2. How to minimize tendon injury or disruption following open reduction and internal fixation of distal radius fractures.
 3. Strategies to maximize finger and hand motion following distal radial fracture.

7:50-9:20 COA Workshop: Paediatric Femur Fracture Fixation: Tips and Tricks for Techniques in Skeletally Immature Patients

Moderator: Sasha Carsen, ON

Objectives:

1. To review contemporary strategies for the treatment of paediatric femur fractures.
2. To define clinical treatment algorithms for femur fractures of different types and in different skeletal ages and contexts.
3. To discuss details of surgical techniques, clinical pearls, tips, and tricks for the successful treatment of femur fractures in the skeletally immature.
4. To provide an opportunity to try surgical techniques and implants in a sawbone workshop setting.

Instructors:

- Maxime Côté, QC
- Megan Cashin, ON
- Peter Glavas, QC
- Kevin Smit, ON

7:50-9:20 COA ICL: Spine - Clearing and Managing Spinal Injury in the Orthopaedic Trauma Patient

Moderator: Albert Yee, ON

Objectives:

1. To learn about the process of spine clearance in the orthopaedic trauma patient.
2. To understand the present state of management for cervical spine trauma, including spinal cord injury.
3. To understand the present state of management for thoracolumbar fractures of the spine.

Speakers:

- Clearing the Spine in the Orthopaedic Trauma Patient - Albert Yee, ON
- Diagnosis and Management of Cervical Trauma, Including Spinal Cord Injury - Jeremie Larouche, US
- Diagnosis and Management of Thoracolumbar Spine Trauma - Ilyas Aleem, US

7:50-9:20 COA Paper Session: Tumour

Moderators: Robert Turcotte, QC; Joel Werier, ON

7:50- 9:20 COA Paper Session: Foot and Ankle

Moderators: Andrea Veljkovic, BC; Gordon Goplen, AB

Guest Speaker: Masato Takao, Japan

Clinical Outcomes of Minimally Invasive Arthroscopic Assisted Ankle Stabilization

8:00-9:30 COA/Canadian Arthroplasty Society/Hip Symposium ICL: Solutions in Complex THA Revision

Moderator: Etienne Belzile, QC

Objectives:

1. Understand what are the best patients for direct exchange in the treatment of peri-prosthetic infections.
2. Understand the different treatment options for recurrent hip instability.
3. Development of an algorithm for implant and surgical approach choice in revision surgery.

Speakers:

- Burden of Revision Surgery - Eric Bohm, MB
- Direct Exchange for PJI - Fares Haddad, UK
- Constrained Liners, When do I Use It? NEVER - Douglas Padgett, US
- Constrained Liners, When do I Use It? ALWAYS - Wade Gofton, ON
- Direct Anterior Approach for Revision THA: ALWAYS - Keith Berend, US
- Direct Anterior Approach for Revision THA: NEVER - Douglas Naudie, ON
- Modular vs. Non Modular Femoral Stems - Donald Garbuz, BC

9:30-11:00 COA Update Session: Lower Extremity Trauma - Complications and How to Avoid Them

Moderator: David Sanders, ON

Objectives:

The participant will consider diagnosis, prevention, and treatment options for a variety of lower extremity complications including infection, nonunion, malunion, joint stiffness, and post-traumatic arthritis.

Speakers:

- Distal Femur: Post-traumatic Knee Stiffness Management, Extra-articular Malunion - Geoff Wilkin, ON
- Proximal Tibial Fractures: "Impending" Malunions - Proximal Tibia/Distal Tibia and Pilon, Defect with RIA - David Stephen, ON
- Distal Tibial Fractures - David Sanders, ON

9:30-11:00 COA Paper Session: Upper Extremity

Moderators: Darren Drosdowech, ON; Diane Lam, ON

9:30-11:00 COA ICL: Tumour/Trauma - Updated Concepts in the Management of Metastatic Bone Disease

Moderators: Jeff Yach, ON; Michelle Ghert, ON

Objectives:

1. To develop an approach to the management of metastatic lesions in the proximal femur and pelvis.
2. To develop an approach and understanding of metastatic lesions requiring surgical reconstruction and when it is appropriate to refer.
3. To recognize some of the pitfalls in the management of pathologic lesions in the femur and pelvis.

Speakers:

- Management of Proximal Femoral Lesions - Steven Papp, ON
- Reconstruction of Pelvic and Acetabular Lesions - Richard Jenkinson, ON
- Management of Bone Mets to the Humerus - Benjamin Deheshi, ON
- When to Refer to Orthopaedic Oncology - Krista Goulding, QC

9:30-11:00 COA Symposium: Foot and Ankle - Ankle Arthritis and Treatments

Moderator: Timothy Daniels, ON

Speakers:

- Understanding the Etiology of Ankle Arthritis - Nicholas Smith, NL
- When is Total Ankle Replacement the Standard of Care - Alastair Younger, BC
- What is the Role of Joint Salvage Procedures for Ankle Arthritis - Johnny Lau, ON
- Arthroscopic Hindfoot Fusions - Ankle, Subtalar and Talonavicular Joints - Mark Glazebrook, NS

9:30-11:00 COA Symposium: Post-Fracture Education Program: Evolution of Anabolic Therapy to Bone Formation Therapy: New Era in Post-Fracture Care?

Moderator: Emil Schemitsch, ON

Objectives:

1. Review gaps and needs of current care models and strategies for post-fracture care treatment.
2. Evaluate current and new evidence for bone formation therapies.
3. Identify the patient at imminent risk of fracture that would benefit from bone formation therapy in the post-fracture setting.

Speakers:

- Introduction and Summary - Emil Schemitsch, ON
- Post-fracture Care Treatment and Care Models - Earl Bogoch, ON
- Current and Emerging Evidence for Bone Therapies - Aliya Khan, ON
- Identifying the Patient Who Would Benefit from Bone Formation Therapy - Julio Fernandes, QC

9:45-10:45 Hip Symposium Session 6: Emerging Total Hip Designs/Techniques

Moderator: Michael Tanzer, QC

Objectives:

1. Explain the role of new stem designs.
2. Explain the role of computer-assisted surgery.
3. Summarize the role dual mobility.
4. Discuss the role of large head ceramic bearings.

Speakers:

- New Stem Designs - Are they Needed? - Richard Field, UK
- Big Head Ceramics - Martin Lavigne, QC
- Computer Assisted is the Future - Douglas Padgett, US
- Ceramic on Ceramic Hip Resurfacing - Justin Cobb, UK

10:45-11:30 Coffee Break – Exhibit Hall

11:30-12:30 Grad Ceremony, President Elect Address, Transfer of Office

12:30-13:30 Canadian Orthopaedic Oncology Society (CANOOS) Business Meeting

12:30-14:00 Lunch

12:30-16:00 COA/COFAS Workshop: Complex & Innovative Foot & Ankle Surgery - Tips from Experience (Offsite; registration required)

12:30 Shuttle to Sim Centre

Co-Chairs: Joel Morash, NS; Mark Glazebrook, NS

Speakers:

- OCD & Ankle Instability: MIS Subchondroplasty & Ankle Stabilize - Masato Takao, Japan; Mark Glazebrook, NS
- TAA - Timothy Daniels, ON
- MICA - Alastair Younger, BC
- Reconstruction in the Foot with Fusions & Osteotomies - Stéphane LeDuc, QC

Station # 1: Total Ankle Arthroplasty Sponsored by Integra
Master Instructor – Dr Tim Daniels: TAA

Faculty: Ruth Chaytor, QC
Johnny Lau, ON

Station # 2: Minimally Invasive Foot Surgery Sponsored by Wright Medical

Master Instructor – Dr Alastair Younger MICA Surgery

Faculty: Andrea Veljkovic, BC
Mark Steeves, ON

Station # 3: OCD & Ankle Instability Sponsored by Zimmer

**Master Instructor – Dr Masto Takao (Visiting Professor from Japan)
Subchondroplasty & MIS Ankle Instability**

Faculty: Kevin Wing, BC
Monika Volesky, QC

Station # 4: F&A TBA Sponsored by (Stryker)

Master Instructor – Dr Stephane Leduc

Faculty: Karl LaLonde, ON
Gordon Goplen, AB
Peter Dryden, BC

*Each Station will have 3 cadavers with 2 participants and a faculty Instructor per cadaver.

Participants will be rotated through all 4 stations (45 Mins at each Station).

13:00-14:00

Canadian Paediatric Orthopaedic Group (CPOG) Annual Meeting
Canadian Arthroplasty Society (CAS) Research Meeting
Canadian Shoulder and Elbow Society (CSES) Research Meeting
Arthroscopy Association of Canada (AAC) Research Meeting

14:00-14:30 COA Presidential Guest Speaker, James Wright, UK

It's no Longer Okay to say I Practice Differently than Everyone Else

14:30-14:50 CAS Guest Speaker, Klaus Siebenrock, CH

The Bern School of Hip Preservation

14:50-16:00 COA Symposium: Looking Ahead of the Curve - Value-based Orthopaedic Care Comes to Canada

Moderator: Stephen Gallay, ON

Objectives:

1. Become familiar with the terminology being used in US and Canadian Healthcare regarding the advent of new value-based payment and delivery models.
2. Understand the implications of these new models for orthopaedic care in Canada.
3. Realize the importance of integrating evidence, data and clinical insight to succeed in the new value-based health care economic environment.

4. Learn how orthopaedic surgeons help lead the value-based health care charge, instead of being left behind.

Speakers:

- A Primer for the Orthopaedic Surgeon on Emerging Value-Based Payment and Delivery Models - Stephen Gallay, ON
- Integrating Funding: Connecting the Silos for the Healthcare We Need - Erik Hellsten, BC
- Scaling Up: The Next Generation of Integrated, Cross-Sectorial Funding Approaches in Canada” from the Ministry of Health and Long Term Care (MOHLTC) of Ontario - Melissa Farrell, ON
- Bringing Accountable Musculoskeletal Care to Ontario: Outcome Based Funding for a Regional Shared-Care Model for Shoulder Conditions”. A Provider-Led Business Case for The Shoulder Centre at Ajax and Pickering Hospital, Lakeridge Health System, CE-LHIN - Jesse Slade Shantz, ON

14:50-16:30 COA Paper Session: Adult Reconstruction Hip 2

Moderators: James Powell, AB; Kelly Johnston, AB

Anica Bitenc Fellow: Ivan Bohacek, Croatia

Modified Lateral Approach in Patients with Severe Hip Dysplasia Undergoing THA

15:00-16:00 Hand and Wrist Study Group Inaugural Meeting

16:00-16:45 Coffee Break - Exhibit Hall

16:00-17:00 Arthroscopy Association of Canada (AAC) Business Meeting

16:30-17:30:

Note: In advance of these sessions, attendees will be offered the opportunity to bring forward cases to the panelists for discussion during this session.

Upper Extremity Fireside Chat - Bring your Tough Cases *Moderator:* Graham King, ON

Trauma Fireside Chat - Bring your Tough Cases!

Moderators: Ted Tufescu, MB; Chad Coles, NS, Christopher Graham, MB; Brad Petrisor, ON

Paediatrics Fireside Chat - Bring your Tough Cases!: Troublesome Common Therapeutic Challenges in Paediatric Orthopaedics- How to Stay out of Trouble: A Case-based Discussion

Moderator: Christopher Reilly, BC

Panelists: John Dormans, US, Jay Jarvis, ON

Hip *Moderator:* Wade Gofton, ON

19:00-23:00 Gala: Hangar Dinner 'n Dance Party

(Ticketed event; please purchase your tickets when you register)

Sunday, June 18: Subspecialty Focus Half Day

8:00-12:30 COA Knee Sessions

8:00-9:30 COA Paper Session: Adult Reconstruction Knee

Moderators: Richard Keddell, *NZOA President*; Glen Richardson, NS

9:45-11:00 COA ICL: Knee - Changing concepts in TKA

Moderator: David Backstein, ON

Objectives:

The purpose of this session is to stimulate discussion and present data regarding new ways of performing TKA surgery and treating infection.

1. To discuss and review techniques and strategies for early recovery after TKA surgery including peri-operative modalities and new surgical techniques.
2. To compare and contrast traditional thinking related to TKA kinematics with newer alternatives.
3. To review the available literature regarding methods of treating TKA infection which may reduce morbidity and cost.

Speakers:

- Same Day Discharge for TKA: The Ottawa Experience - Geoffrey Dervin, ON
- Modern TKA Kinematics Should Mimic the Normal Knee - David Backstein, ON
- Infected TKA: One Stage Revision May be an Option - Michael Zywiell, ON
- Patient Specific Guides for TKA: Is there a Role? - Douglas Naudie, ON

11:00-12:30 COA Symposium: Knee - New Technologies in TKA

Moderator: Michael Dunbar, NS

Objectives:

The purpose of this symposium is to explore a wide range of new technologies introduced for total knee arthroplasty. More specifically, the objectives are as follows:

1. To have a better understanding of the rationale behind the introduction of specific new technologies.
2. To discuss and review the best available data regarding outcomes of newly introduced technology.
3. To have a better understanding of how new technologies may or may not be incorporated into the participants current or future practice.

Speakers:

- Pre-operative Imaging for TKA - Is a Short Leg Film Still Adequate? - James Howard, ON

- Cross Linked Polyethylene in TKA - Should I be Using this in Everyone? - Eric Bohm, MB
- Pressure Sensors and Other “Balancing” Technologies in TKA - Is it Worth the Effort? - Glen Richardson, NS
- Robotics in TKA - Are These Things Really Going to Replace me? - Michael Dunbar, NS

8:00-11:30 COA Trauma Sessions

8:00-9:30 COA Paper Session: Trauma

Moderators: Henry Broekhuysen, BC; Michael D. McKee, ON

10:00-11:30 COA Symposium: Trauma - Bone Health in 2017 Through Thick and Thin

Moderator: Prism Schneider, AB

Guest Speaker: OTA President, William Ricci, US

Objectives:

1. To learn technical tricks for surgical management of fragility fractures.
2. To learn important facts about atypical femur fracture management.
3. To understand the latest approach to treatment of elderly acetabular fractures.
4. To learn the role for advanced imaging in determining bone health.
5. To learn strategies for setting up a fragility fracture liaison service.

Speakers:

- The Extreme Fragility Fracture, What I do Differently - Aaron Nauth, ON
- Atypical Femur Fractures - Five Important Facts and Surgical Management Pearls - Ross Leighton, NS
- Elderly Acetabular Fractures - When to Fix, Replace, or Leave - Paul Duffy, AB
- Advanced Bone Imaging for Determining Bone Health, What's New in 2017 - Prism Schneider, AB
- How to Set up a Fragility Fracture Liaison Service - William Ricci, *OTA President*

8:00-12:00 COA Sports Paper Session and
Arthroscopy Association of Canada (AAC) Symposium

8:00-9:30 COA Paper Session: Sports

Moderators: Ian Lo, AB; Tracey Wentzell, NL

10:00-12:00 AAC Symposium: Tips and Tricks in Arthroscopic Reconstruction of Shoulder and Knee

Knee Moderators: Peter MacDonald, MB; Danny Whelan, ON

Shoulder Moderators: Robert McCormack, BC; Ross Outerbridge, BC

10:00-11:00

Knee Tips and Tricks- TBD

11:00-12:00

Part 1: Rotator Cuff Surgery at the Margins

Partial Thickness Cuff Tears - John Randle, ON

Objectives:

At completion, participants will have a treatment algorithm to manage partial thickness tears for varying clinical presentations and be aware of technical tricks to optimize results.

Large to Massive Cuff Tears - Ian Lo, AB

Objectives:

At completion, participants will understand the indications to operate on large cuff tears and know how, and when, to apply specific techniques.

Part 2: Managing the Stiff Shoulder: Debate on the Optimal Treatment of Idiopathic Adhesive Capsulitis in a Middle Aged Patient

Non-Operative Measures - Ryan Bicknell, ON

MUA/Surgical Intervention - Peter MacDonald, MB

Objectives:

At completion, participants will be able to counsel patients on the best treatment options for Adhesive Capsulitis.

8:00-12:00 Canadian Shoulder and Elbow Society (CSES) Half Day

8:00-9:30 COA/CSES ICL: Uncommon Causes of Shoulder and Upper Limb Pain: "The Masqueraders" - The Diagnoses you don't Want to Miss and how to Manage Them

Moderator: Stephen Kingwell, ON

Objectives:

1. To describe the differential diagnoses of upper extremity pain including neurological and myo-fascial etiologies.
2. To describe the diagnostic approach and criteria for myofascial, cervical spine, and brachial plexus pain etiologies.
3. To describe a rational treatment approach to myofascial, cervical spine, and brachial plexus pain syndromes.

Speakers:

- Myofascial Pain - Integrating the Big Picture with the Painful Signs and Symptoms - Hillel Finestone, ON
- C-Spine Causes of Upper Limb Pain - Stephen Kingwell, ON
- Plexus Causes of Upper Limb Pain - Kirsty Boyd, ON

9:45-10:45 CSES Upper Extremity Debates

Moderator: Meaghan Rollins, MB

How I Deal With The Large Hill Sachs Lesion in Anterior Shoulder Instability:

Objectives:

1. To describe the diagnostic criteria for significant bone loss in shoulder instability.
2. To describe the treatment options to manage bone loss in shoulder instability.
3. To describe the basic science and clinical evidence in treatment outcomes in the management of bone loss in shoulder instability.

Speakers:

- Remplissage is the Only way to Treat This - Peter Lapner, ON
- Bone Grafting is the Best Option - Ivan Wong, NS

How I Treat Peri-Prosthetic Infection:

Objectives:

1. To describe the work-up and treatment options for patients with suspected or known peri-prosthetic shoulder infection.
2. To describe outcomes with different treatment options in the management of peri-prosthetic shoulder infection.

Speakers:

- Single Stage Revision is Best for the Patient - Ryan Bicknell, ON
- Two-Stage Revision Yields Better Results - Darren Drosdowech, ON

11:00-12:00 CSES Symposium: Sports Injuries in the Elbow

Moderator: Kevin Hildebrand, AB

Objectives:

1. To elicit pertinent history and injury mechanisms.
2. To describe physical assessment of the elbow in relation to sport injuries.
3. To recognize the role of ancillary tests in refining the diagnoses.
4. To understand treatment principles.

Speakers:

- Medial Collateral Ligament Injuries and Valgus Extension Overload - J Pollock, ON
- Osteoarthritis in Athletes - Graham King, ON
- Biceps Tendon Injury - Kevin Hildebrand, AB

8:00-12:00 Canadian Orthopaedic Foot and Ankle Society (COFAS)
Research Meeting and Think Tank

8:00-9:30 Canadian Orthopaedic Foot and Ankle Society (COFAS) Research Meeting

10:00-12:00 COFAS "Think Tank" - Progress and Planning for COFAS Members