

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

8:00 Registration and Breakfast

9:00-11:50 CORA Paper session

11:55-12:55 Lunch and Poster Viewing

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

20:30 CORA Social Event at Blue Cactus Bar and Grill (*tickets available with meeting registration*)

Hip Symposium

8:00-9:00 Hip Symposium Session 1: Introduction To The Pre-Arthritic Hip

Moderator: Paul E. Beaulé, ON

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

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

Speakers:

- Are Our Kids Doing Too Much Sports? – Klaus Siebenrock, CH

- Hip Arthroscopy in the Very Young – TBD
- Indications for Open Surgery (PAO/SD) – Ira Zaltz, US
- Should There be an Age Limit for Hip Arthroscopy? –Thomas Byrd, US

10:50-11:10 Break in Exhibits

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

Moderator: Michael Millis, US

Speakers:

- Evaluating the Failed Hip Arthroscopy – TBD
- 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 in Exhibits

13:00-16:30: Hip Symposium Lab: Arthroscopy and Joint Preserving (offsite; registration required)

13:00: Shuttle to Sim Centre

Instructors:

- Paul E. Beaulé, ON
- Martin Beck, CH
- Etienne Belzile, QC
- Thomas Byrd, US
- Christopher Larson, US
- Michael Millis, US
- Richard Santore, US
- Earnest Sink, US
- Ira Zaltz, UA

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

7:50-9:20 Paper sessions:

- Paediatrics *Moderator:* Brian Black, MB; *Presider:* Luke Gauthier, NS
- Hand/Upper Extremity *Moderators:* Danny Goel, BC; Gurpreet Dhaliwal, AB
Nutter Award Winner, 2016: Jason Shin, SK *Characterization of Posterior Glenoid Bone Loss in Posterior Shoulder Instability*
- CORS Arthroplasty *Moderators:* Alberto Carli, ON; Rizhi Wang, BC
- COA/CORS Spine *Moderators:* Fackson Mwale, QC; Albert Yee, ON

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

Moderator: Monika Volesky, QC

7:50-9:50: Critical Issues and Education Paper Session *Moderators:* Ted Tufescu, MB; Marcia Clark, AB

7:30-12:30: Hip Symposium Workshop: Surgical Approaches for Rapid Recovery Laboratory (offsite; registration required)

Moderator: Wade Gofton, ON

7:30: Shuttle to SIM Centre

Instructors:

Paul E. Beaulé, ON

Etienne Belzile, QC

Keith Berend, US

Joel Matta, US

Richard Field, UK

Wade Gofton, ON

Glen Richardson, NS

9:30-11:00:

ICL COA Paediatrics/ Hip Symposium: Management of 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 - Dr. Martin Beck, CH

ICL Foot & Ankle/ Trauma: Modern Trends in Foot and Ankle Surgery

Moderator: Richard E. Buckley, AB

Educational 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

ICL COA Sports Medicine/ Hip Symposium: Hip Arthroscopy

Moderator: Ivan Wong, NS

Objectives:

1. Understand how to get started with hip arthroscopy
2. Describe the published results of hip arthroscopy
3. Describe techniques of labral reconstruction and cartilage repair for the hip
4. Determine factors that predict good clinical results

Speakers:

- Hip Arthroscopy 101 - Thomas Byrd, US
- What are the published Results on Hip Arthroscopy? - Femi Ayeni, ON
- Labrum Reconstruction and Cartilage Repair Techniques - TBD
- What Factors Predict Good Clinical Results in Hip Arthroscopy: Patient Selection or Surgical Expertise? – Christopher Larson, US

CORS Paper session: Joints and Arthritis *Moderators:* Janie Wilson, NS; Margarete Akens, ON

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

Moderator: Veronica Wadey, ON

- **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: TBD

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 Break in Exhibits

11:15-12:15 CORA Board Meeting

11:30-12:30: Plenary Session

Founders Update: Sam Park, ON

COA Business Meeting

12:30-14:00 Lunch in Exhibits

13:00-14:00

COA Focus Group

CORS Business Meeting

COFAS business Meeting

14:00-15:30

COA Paediatrics/ Hip Symposium- Update on Management of SCFE in Paediatrics

Moderator: Ron El Hawary, NS; Ira Zaltz, US

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 Orthopedic Surgeon – David Nelson, BC
- Discussion

Hand Symposium: 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

Education Symposium: Using Data to Improve Orthopaedic Care

Moderator: Eric Bohm, MB

Educational 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.

Speakers:

- Eric Bohm, MB
- Michael Dunbar, NS
- TBD
- James P. Waddell, ON
- 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.

Educational 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 Macnab Lecture (Topic: Musculoskeletal Tissue Engineering)

Hani Awad, US

Objectives:

1. Understanding tissue engineering of load bearing connective tissues.

2. Clinical problems and translational solutions.
3. Models of musculoskeletal injury.

14:00-16:30 Hip Symposium: Minimizing adverse Events in Primary THA

Moderator: Fares Haddad, UK

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
- Debate
- Outpatient THA - CON - Michael Tanzer, QC
- Outpatient THA - PRO - Keith Berend, US
- Debate
- 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, Orthopedics and Life

16:00-17:00 Hand and Wrist Study Group Inaugural Meeting

16:00-17:30

ICL Paediatrics: Challenging Upper Limb Injuries in the Paediatric Patient- Fix it Now or Fix it Later?: Comparing Adult and Pediatric 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 pediatric vs adult orthopedic 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

Education Symposium: Lessons From the Visiting Presidents. How do You Measure Health Outcomes in Your Country?

Moderator: Kevin Orrell, NS

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*

COA Global Surgery (COAGS) Symposium

Moderator: Paul Moroz, US

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

16:15-17:15 CORS Fireside Chat *Moderator:* Hani Awad, US

16:30-17:30

Knee Fireside Chat - Bring your Tough Cases!

Sports Fireside Chat - Bring your Tough Cases!

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

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.

ICL: Canadian Arthroplasty Society / Hip Symposium: Solutions in Complex THA

Revision

Moderator: Etienne Belzile, QC

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
- Debate
- Direct Anterior Approach for Revision THA: ALWAYS - Keith Berend, US
- Direct Anterior Approach for Revision THA: NEVER - Douglas Naudie, ON
- Debate
- Modular vs Non Modular femoral Stems - Donald Garbuz, BC

Paediatrics Workshop: Femur Fracture Fixation: Tips and Tricks for Techniques in Skeletally Immature Patients

Moderator: Sasha Carsen, ON

Instructors:

- Maxime Cote, QC
- Megan Cashin, ON
- Mark Camp, ON

COA Spine ICL: 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

COA Paper Session Tumour *Moderators:* Robert Turcotte, QC; Joel Werier, ON

COA Paper session: Foot and Ankle *Moderators:* Andrea Veljkovic, BC

Guest Speaker: Masato Takao, Japan

9:30-11:00

Update Session: Lower Extremity Trauma - Complications and How to Avoid Them

Moderator: David Sanders, ON

Speakers:

Distal Femur - Geoff Wilkin, ON
Proximal Tibial Fractures - David Stephen, ON
Distal Tibial Fractures - David Sanders, ON

COA Paper Session Upper Extremity *Moderators:* Darren Drosdowech, ON; Diane Lam, ON

COA Tumour/ Trauma ICL: Updated Concepts in The Management of Metastatic Bone Disease

Moderators: Jeffrey Yach, ON; Michelle Ghert, ON

Educational 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
- Humerus (tumor) - Benjamin Deheshi, ON
- When to Refer to Orthopaedic Oncology - Krista Goulding, QC

F&A Symposium Ankle Arthritis and Treatments

Moderator: Timothy Daniels, ON

Speakers:

- Understanding the Etiology of Ankle Arthritis - TBD
- When is Total Ankle Replacement the Standard of Care - TBD
- What is the Role of Joint Salvage Procedures for Ankle Arthritis - TBD
- Arthroscopic Hindfoot Fusions – Ankle, Subtalar and Talonavicular Joints - TBD

9:45-10:30 Hip Symposium Session: Emerging Total Hip Designs/Techniques

Moderator: Michael Tanzer, QC

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
- Discussion

10:45-11:30 Break

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

12:30-13:30 CANOOS Meeting

12:30-14:00 Lunch

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

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

13:00-14:00

CPOG Annual Meeting

CAS Research Meeting

CSES Research Meeting

AAC Research Meeting

14:00-14:30 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

14:50-15:30

Looking Ahead of the Curve: Value-based Orthopaedic Care Comes to Canada

Moderator: Steve Gallay, ON

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

Anica Bitenc Fellow: Ivan Bohacek, Croatia *Modified Lateral Approach in Patients with Severe Hip Dysplasia Undergoing THA*

16:00-16:45 Break

16:30-17:30 Fireside Chats:

Upper Extremity *Moderator:* Graham King, ON

Trauma *Moderators:* Ted Tufescu, MB; Chad Coles, NS

Paediatrics: Troublesome Common Therapeutic Challenges in Paediatric Orthopedics-
How to Stay Out of Trouble: A Case-based Discussion

Moderator: Christopher Reilly, BC

Panelists: Martin Gargan, ON; John Dormans, US, Jay Jarvis, ON

Note: In advance of this session, attendees will be offered the opportunity to submit or present cases to the panelists for discussion during this session.

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

Hip *Moderator:* Wade Gofton, ON

19:00-23:00 COA Fun Night: Hangar Dinner n' Dance Party

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

Sunday, June 18

8:00-9:30

- Foot and Ankle Research Meeting
- Sports Paper session *Moderators:*
- Knee Paper session *Moderators:*
- Trauma Paper Session *Moderators:* Henry Broekhuyse, BC; Michael D. McKee, ON

8:00-9:30 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:* TBD

Educational 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 - Hilal Finestone, ON
- C-Spine Causes of Upper Limb Pain - TBD
- Plexus Causes of Upper Limb Pain - Christy Boyd, ON

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

Moderator: David Backstein, ON

Educational 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 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 - Rajiv Gandhi, ON
- Patient Specific Guides for TKA: Is there role? - Douglas Naudie, ON
- Discussion

10:00-11:30 Trauma Symposium: Bone Health in 2016 - Through Thick and Thin

Moderator: Prism Schneider, AB

Guest Speaker: OTA President- Bill Ricci, US

11:00-12:30

COA Knee Symposium: 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? - Jamie 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

8:30-12:00 CSES Half Day

8:30-9:30 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: Christopher Bailey, ON

(see session details above)

9:45-10:45 Debates

Moderator: Meaghan Rollins, MB

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

- Remplissage is The Only Way to Treat This - Martin Bouliane, AB
- Remplissage is Not a Real Operation: Bone Grafting is The Way to Go - Peter Lapner, ON

How I Treat Peri-Prosthetic Infection

- Single Stage Revision is Best for the Patient - Ryan Bicknell, ON
- two-stage revision yields better results - TBD

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

Moderator: Kevin Hildebrand, AB

History and Injury Mechanisms - Graham King, ON
Physical Assessment - J Pollock, ON
Imaging and Special Tests: Kevin Hildebrand, AB

8:30-12:00 COFAS Think Tank: COFAS research meeting, progress and planning for COFAS members

8:30-12:00 Sports Half day Paper Session, Symposium, and AAC meeting