2015 COA Annual Meeting
Preliminary Program

Please note: all times and content are subject to change; please see on-site final program for finalized times and content

WEDNESDAY, JUNE 17, 2015

All Day  COA Committee Meetings
9:00-16:30  CORA Annual meeting
8:00-9:00  Registration & Breakfast
9:00-11:30  Residents’ Paper Session – Free to attend!
11:30-13:00  Lunch
13:00-15:00  CORA Symposium – Free to attend!
  Symposium Speakers include:
  • Ross K. Leighton (Dalhousie University)
  • Graham King (Western University)
  • Brian Kwon (University of British Columbia)
15:15-16:30  CORA Board Meeting (Board Meeting for program reps only)
20:00  Residents’ Social Night - $10 per ticket

**Join your colleagues from across the country at the CORA social night.  Your ticket includes a drink ticket (cash bar is available all night) and tapas.

17:30-19:00  Opening Ceremonies
  Guest Lecturer: Bob Bell, Ontario Deputy Minister of Health
  Appropriateness in Canadian Healthcare

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

THURSDAY, JUNE 18, 2015

9:00-16:00  Exhibit Hall Open
6:30-17:00  Registration Open

7:00-8:30  Instructional Course Lectures

ICL 1: Transition Planning: An Evolution in Financial Planning Best Practices in Response to a Changing Landscape
Moderator: Conor Pollock, ON

Summary:
This symposium examine the ongoing and meaningful changes in the Canadian landscape (societal, demographic, industry, etc.), and the profound impact these changes will have on surgeons at every career phase.

We will also take a broad look at the corresponding evolution in planning tools, strategies and best practices in response to those changes, specifically the move towards “transition planning”.

Finally, a brief walk through of a case study to illustrate the covered concepts.

Objectives:
1.  Implications of rapidly shifting landscapes
2.  Transition vs retirement planning (a new paradigm in industry best practices)
3.  De-accumulation (corporate wind down, asset recycling, asset liberation)
4.  Creating a legacy (estate objectives, charitable giving, generational security)

Speakers:
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- Adam O'Neill BSc, MBA, CHS
- Conor Pollock BComm, CFP, CHS
- James Bisson CFP EPC

ICL2: Education: Antibiotic Prophylaxis for Dental Interventions following Total Joint Replacement: A Panel Discussion and Open Forum
Moderator: John Murnaghan, ON

Objectives: Following this session participants should:
1. Understand the issue of dental prophylaxis following total joint arthroplasty from the perspective of microbiology, dentistry, practicing surgeon and a medical director.
2. Be better informed about the science underlying recommended regimens for prophylaxis
3. Reflect on how this current information could impact their practice.

Panelists:
Susan E. Sutherland, DDS, MSc, Chief of Dentistry, Sunnybrook Health Sciences Centre, ON
Andrew Morris, MD, SM, FRCPC, Director, Antimicrobial Stewardship Program, Mount Sinai Hospital, University Health Network, ON
Ross Leighton, MD, FRCSC, Orthopaedic Surgeon, NS
Jeffrey Gollish, MD, FRCSC, Medical Director, Holland Orthopaedic and Arthritic Centre, ON

ICL3: Foot and Ankle/Paediatrics: Bridging the Gap between Paediatrics and Foot and Ankle Orthopaedic Surgery
Moderators: Angela Scharfenberger, AB

Objectives:
1. To discuss the difference in management (surgical and non-operative) between pediatric and adult onset pes planovalgus and cavovarus
2. To review the spectrum of pediatric foot problems including clubfeet and neuromuscular feet and how these are managed in adults
3. To discuss osteochondral lesions of the talus and review the different management options prior to and after physeal closure

Panelists:
Peter Dryden, BC; Warren Latham, ON; Christine Alvarez, BC; Timothy Carey, ON

COA Paper Session: Trauma Moderators: Matthew RG Menon, AB, Marcus Egermann, ASG Fellow, Germany

7:15-8:15 CAS (Canadian Arthroplasty Society) Research Meeting

7:15-8:45 CORS Paper Session 1: Bones, Ligaments and Tendons
Moderators: Fackson Mwale, QC; James Howard, ON

8:30-10:30 Symposium 1: Patient Safety and Quality in Orthopaedics
Moderator: Kishore Mulpuri, BC; Doug Cochrane, BC

Objectives:
1. Open a dialogue on the current status of patient safety and quality in surgery.
2. Address factors affecting patient safety and care quality, such as surgical site infections, and discuss prevention measures.
3. Discuss collaborative efforts, current and potential, to continue to improve patient safety and quality outcomes in orthopaedic surgery. This will include a discussion on how large databases and patient registries can improve patient safety and the quality of care in orthopaedics.

Speakers:
- Human Factors and Team Interactions in Quality and Safety: Doug Cochrane, BC
- Surgical Site Infections: Claude Laflamme, ON (Safer Healthcare Now! SSI Intervention Faculty Lead)
- Falls Prevention: Christopher Hayes, ON (Safer Healthcare Now! SSI Intervention Faculty Lead)
- Databases/ Registries and Quality of Orthopaedic Care: Pierre Guy, BC
- NSQIP: Gary Redekop, BC

9:00-10:30 CORS Paper Session 2: Arthroplasty
Moderators: Matthew Teeter ON; Glen Richardson, NS

10:30-11:00 Coffee Break

11:00-12:00 Grad Ceremony and COA business Meeting
CORT Award Recognition: George Athwal and David O’Gorman, ON; Peter Lapner, ON
Samson Award Recognition and Presentation: “Understanding the Etiology and Cause of Osteoarthritis of the Hip: A multi-disciplinary approach” Paul E. Beaulé, ON

12:00-13:00 Lunch in Exhibit Hall
COFAS Business Meeting
CORS Business Meeting

13:00-14:30 Symposium 2: Orthopaedics and Technology
Moderators: Antony Hodgson, BC; John Rudan, ON

Symposium Overview:
In this symposium, we will review the history of the development of computer-assisted surgical technologies, explore a range of pressing surgical problems, and discuss the potential for addressing these problems using technological approaches.

Objectives:
1. To review the history of the development of computer-assisted surgical technologies for orthopaedics
2. To identify pressing unsolved problems in selected subspecialty orthopaedic surgical disciplines
3. To discuss potential solutions involving CAOS-related technologies

Guest Speaker: Prof. Klaus Radermacher, Germany (30 minutes)
A Brief History of Computer-Assisted Orthopaedic Surgery

Panelists:
Anthony Cooper, BC Children's Hospital, Pediatric Orthopaedics
John Street, Vancouver General Hospital, Spine
Emil Schemitsch, St. Michael's Hospital, Toronto, Hip Arthroplasty
Alastair Younger, St. Paul's Hospital, Vancouver, Foot and Ankle
13:00-14:30 **Trauma Symposium: How to Get your Hip Fracture Patient Ready for the O.R.**  
*Moderator: Pierre Guy, BC*

**Objectives:**
At the end of this case-based session participants will be able to answer the following questions:
- What to do with the anticoagulated patient?
- What are true medical reasons to delay a case?
- When is cardiac workup and echocardiogram really needed and other anesthesiologists’ concerns?

**Speakers:**
Pierre Guy (chair, Orthopedic Surgery), BC  
Leslie Zypchen (Hematology), BC  
John Wade (Internal Medicine), BC  
Andrew Meikle (Anesthesiology), BC

13:00-14:30 **CORS Paper Session 3: Joints and Arthritis**  
*Moderators: Steven Boyd, AB; Diane Nam, ON*

**CORS Paper Session 4: Spine**  
*Moderators: Albert Yee, ON; Frédéric Paternostre, CFBS Fellow, Belgium*

**COA Education Workshop:** Development and Implementation of Entrustable Professional Acts  
*Moderator: Veronica Wadey, ON*

**Objectives:**
By the end of this workshop participants will acquire a better understanding of the following:
1. Introduction of the principles of Entrustable Professional Act (EPAs)
2. Definition & development of a simulated EPA
3. Definition and development of a real time EPA
4. How to assess performance of a learner using EPA model
   a. Formulated feedback
   b. Analysis
5. How to implement EPA into a useable framework in the learning environment

**Speakers:**
Introduction of principles of EPA - Veronica Wadey, ON  
Simulated EPA – Definition and Development- Tim Dwyer, ON  
Real time EPA – Definition and Development - Markku Nousiainen, ON  
How to assess performance of learners using EPA - Douglas Archibald, ON

**Facilitators:** Markku Nousiainen, ON; William Kraemer, ON; Marcia Clark, AB; Douglas Archibald, ON; Tim Dwyer, ON

14:30-15:00 **Coffee Break in Exhibits**

15:00-16:30 **CORS Symposium and Macnab Lecturer:**  
**Incorporating Patient-Specific Factors in Orthopedic Surgery**  
*Moderator: Janie Wilson, NS; Michael Dunbar, NS*

**Objectives:**
1. Explore the evolution of patient-specific approaches to orthopedic surgery.
2. Capture and discuss current clinical and research approaches to patient-specific factors in orthopedic surgery.
3. Compare/contrast the use and evolution of patient-specific approaches in different orthopedic specializations. What can we learn from each other?

- **Macnab Lecturer**: Professor Rob Nelissen, Netherlands
  *Implant Innovation and Quality Assessment*

- **2014 Founders' Medal Award**: Ashlee Dobbe, AB
  *Three-Dimensional Geometric Analysis of the Talus*

- **Tom Oxland, BC**: *Identifying the Differences Between Various Mechanisms of Spinal Cord Injury*

- **David Pichora, ON**: *Patient Specific Orthopaedic Surgery: Challenges and Prospects*

**15:00-16:30 Symposium 3: Practice Management, Education, and Regulation in Orthopaedics (Evaluating Quality in Orthopaedics From Residency Training to Practice)**

**Moderators:** Bas Masri, COA President; Laurence Marsh, AOA President

**Objectives:** Following this session participants should:

1. Understand the various methods of measuring quality of Orthopaedic performance during resident training and in practice.
2. Compare how these methods relate to those being used in your Orthopaedic program or province.
3. Reflect on how performance evaluation can be used to improve the quality of training and practice of Orthopaedics across Canada.

**Speakers:**
- Residency Training in the US: Laurence Marsh, AOA President
- Recertification and Competency Assessment (Credentialing of Physicians): Doug Cochrane, BC
- College of Physicians and Surgeons Ontario: Current Program in Place to Assess Quality of Orthopaedic Practice and Aggregate Findings of Recommendations from Practice Reviews: 2010-2014 William McAuley, ON
- COA: Competency Based Training in Canada: Peter Ferguson, ON

**16:30-17:00 R.I. Harris Memorial Lecture:** Robert B. Bourne, COA Past-president, 2006

*Life Lessons*

**17:00-18:00 Fireside Chats: Bring your Tough Case and Let’s Talk About It**

(25 attendees; Informal case discussions with drinks available. register on-line)

- **Trauma**: Chad Coles, NS; Ted Tufescu, MB
- **Arthroplasty**: Veronica Wadiey, ON; Markku Nousiainen, ON
- **Foot and Ankle**: Gordon Goplen, AB; Angela Scharfenberger, AB
- **Sports**: Danny Whelan, ON; Peter MacDonald, MB
- **Paediatrics**: Kishore Mulpuri, BC; Sukhdeep Dulai, AB

**18:30-22:30 Past Presidents’ Dinner: Vancouver Club (Invitation only)**

**FRIDAY, JUNE 19, 2015**

**6:30** Registration Open

**9:00-16:00** Exhibit Hall Open

**7:15-8:45 Instructional Course Lectures**

**ICL 4**: Arthroplasty: Rapid Recovery after Primary Joint Replacement
Moderator: Paul E. Beaulé, ON

Objectives:
1. Understanding current evidence on patient selection for rapid recovery.
2. Determine clinical variables which may influence rapid patient recovery.
3. Understanding guiding principles for introducing new programs/surgical techniques.

Speakers:
1. How to Choose the Best Candidate? Paul E. Beaulé, ON
2. How to Integrate New Surgical Protocols into Your Practice? Wade Gofton, ON
3. Does Surgical Approach Matter for Outpatient Total Hips? Brent Lanting, ON
4. Can Outpatient Joint Replacement be Done Safely? Geoffrey F. Dervin, ON

ICL5: Paediatrics /Tumour: Tips, Tricks And Pitfalls in the Diagnosis of Bone Lesions in Children and Adolescents
Moderator: Michael Monument, AB

Objectives:
1. Discuss operative and non-operative approaches for the management of pediatric cystic bone lesions.
2. To understand the clinical spectrum of multiple hereditary exostoses and discuss management options.
3. To recognize key differentiating imaging features of benign and malignant pediatric bone and soft tissue tumors.
4. Recognize common mistakes in the workup and diagnosis of malignant pediatric bone and soft tissue tumors.

Speakers:
1. Management of Cystic Paediatric Bone Lesions – Paul Clarkson, BC
2. Multiple Hereditary Exostoses: Management of Lesions and Deformities – Debra Bartley, ON
3. Imaging 101 of Benign vs. Aggressive Paediatric and Adolescent Bone Lesions – Norbert Dion, QC
4. Pitfalls and Mistakes in the Investigation and Diagnosis of Paediatric Primary Bone Malignancies – Shannon Puloski, AB

ICL6: Sports 1: Injuries to the Acromioclavicular and Sternoclavicular Joint
Moderator: John Theodoropoulos, ON

Objectives:
1. To review the diagnosis and indications for surgical management of acromioclavicular joint injuries.
2. To review the indications for surgery in the athletic population and return to play guidelines.
3. To review the diagnosis and treatment of sternoclavicular injuries.
4. To review choice of technique and implants in the treatment of acromioclavicular and sternoclavicular joint injuries.

Speakers:
- Indications for Repair: Chronic and Acute - Tim Dwyer, ON
- Indications and treatment Choices: Contact vs Non-contact Athletes - Peter B. McDonald, MB
- Arthroscopic vs. Open Repair for AC Joint Injuries - Ivan Wong, NS
- Treatment of SC Joint Injuries - Michael D. McKee, ON
- Cases- Aaron Nauth, ON and John Theodoropoulos, ON

7:15-8:45 COFAS Research Meeting

Paper Session: Education Moderator: Markku Nousiainen, ON

9:00-10:30 Subspecialty Paper Sessions
Paediatrics Symposium: Tips for Tricky Trauma in Toddlers to Teenagers  *Moderator*: Sukhdeep Dulai, AB

**Description:**
A case-based discussion of management options and technique tips to optimize outcomes in pediatric injuries associated with higher failure and complication rates when treated by standard techniques.

**Objectives:**
1. To discuss pediatric trauma presentations that are associated with significant failures of management when treated by conventional treatment techniques.
2. Outline the reasons for failure in these cases and the limitations of conventional treatment techniques.
3. Provide alternative management options or technique modifications that can improve outcomes in challenging pediatric trauma cases.

**Panelists:**
Ron El-Hawary, NS; Christopher Reilly, BC; Jochen Son-Hing, OH, Martin Gargan, ON

**Course Details**
10:30-11:00  Coffee Break
11:00-11:30  COA Presidential Guest Lecture: Dr. Brian Day, BC  
*The Times They Are A-Changin’*
11:30-12:30  COA President-elect Address and Transfer of Office
12:30-13:30  Lunch in Exhibit Hall
13:30-17:00  Foot and Ankle/COFAS Lab (offsite: Centre of Excellence for Simulation Education and Innovation (CESEI) at Vancouver General Hospital (VGH)- registration required)  *Moderator*: Kelly Apostle, BC

**Target Audience**
The target audience of the COFAS cadaver course is COA members who desire to improve their arthroscopic and minimally invasive technique knowledge and skill in foot and ankle surgery.

**Learning Objectives**
1) Develop and improve competence by practicing techniques on cadavers. 2) Comprehend techniques of ankle arthroscopy and minimally invasive surgery to advance knowledge of current treatments and alternatives. 3) Evaluate the efficacy of procedures with the usage of literature to support treatment options.

**Course Description**
This afternoon course is designed for practicing surgeons, fellows and residents to learn on cadavers from master surgeons on techniques to reduce invasiveness of foot and ankle surgery.

Faculty:
Kevin Wing, BC
Murray Penner, BC
Melissa Lafleamme, QC
Mark Glazebrook, NS
Monika Volesky, QC
Roger Haene, NB
Karl Lalaonde, ON
Johnny Lau, ON
Xavier M. Oliva, Spain

13:30-15:00
Sports Tips and Tricks: Arthroscopy Techniques in 2015
Moderator: Jas Chahal, ON

Objectives:
1. To understand the BPTB autograft technique for ACL reconstruction using AM portal drilling.
   a. indications for flexible reamers, avoiding graft construct mismatch, fixation strategies
2. To understand the role of trochleoplasty and MPFL reconstruction in young patients.
   b. techniques, indications, and graft choices
3. To understand the management of primary and revision chondral lesions in the tibiotalar joint.
   c. from microfracture to augmented biologic procedures
4. To understand portal placement and technical tips related to double row subscapularis repair.
   d. indications and technique
5. To appreciate the technical tips associated with remplissage and bankart repair.
   e. indications and technique for remplissage, order of procedures
6. To understand the anatomy of the subdeltoid space when performing arthroscopic suprapectoral biceps tenodesis.
   f. subdeltoid anatomy, landmarks, tenodesis location and fixation strategies

Speakers:
- AM Portal ACL Reconstruction with Bone-Patellar Tendon-Bone Autograft - Jas Chahal, ON
- Management of Trochlear Dysplasia and Patellar Instability in Young Patients - Laurie Hiemstra, AB
- Arthroscopic Management of Talar Osteochondral Lesions - Andrea Veljkovic, BC
- Arthroscopic Subscapularis Tendon Repair - Tim Dwyer, ON
- Arthroscopic Bankart repair and Remplissage - Pete MacDonald, MB
- Arthroscopic Suprapectoral Biceps Tenodesis and Anatomy of the Subdeltoid Space - Ivan Wong, NS

Arthroplasty Tips and Tricks Moderator: James L. Howard, ON
Objectives:

Speakers:
- Approach to the Unsatisfied TKA - When to Revise, When Not to Revise - David Backstein, ON
- Alignment in TKA - Where Should we Aim and how to Get There - Michael Dunbar, NS
- Managing Registry Outliers - Colin Howie, BOA President
- Approach to the Patient with a Metal On Metal Bearing - Steven MacDonald, ON

Hand /Upper Extremity Paper Session Moderators: Thomas Goetz, ON; Brett Krause, NZOA President

Canadian Paediatric Orthopaedic Group (CPOG)
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15:00-15:45 Coffee Break
16:00 Exhibit Hall closes

15:45-17:15
Sports Symposium: Surgical/Non-surgical Decision Making in the Competitive Athlete: A Case-based Approach and Discussion Moderator: Nicholas Mohtadi, AB

Objectives:
Participants in this symposium will gain an appreciation of the role of the orthopaedic surgeon when dealing with challenging sport medicine problems. A case-based panel discussion format will be used.

1. To recognize the alternate approaches to controversial surgical sport medicine cases.
2. To understand and clarify the role of the orthopaedic surgeon with respect to non-surgical decision-making, and non-surgical sport medicine cases.
3. To critically appraise the different approaches of the panelists.
4. To consider and incorporate the information learned into their practice.

Panelists:
Bill Regan, BC
Ross Outerbridge, BC
Devin Peterson, ON
Danny Whelan, ON
Stephen French, AB
John Theodoropoulos, ON

Hand Symposium: Complications and Pitfalls of Distal Radius Fracture Treatment Moderator: Tom Goetz, BC

Objectives:
1. Review evidence for treatment options for distal radius fractures.
2. Discuss complications of treatment and their management
3. Discuss treatment of distal radius malunion
4. Discuss treatment of ulnar sided wrist pain post distal radius fracture
5. Discuss treatment of distal radioulnar joint instability and ulnar styloid fractures in distal radius fractures

Speakers:
Ruby Grewal, ON
Vaughn Bowen, AB
Parham Daneshvar, BC
Tom Goetz, BC

Upper Extremity Symposium: Update on Shoulder Instability Moderator: Jeffrey Pike, BC

Objectives:
1. To discuss current operative techniques and controversies in recurrent anterior shoulder instability.
2. To recognize and treat instability-related pathology, other than classic Bankart lesions.
3. To identify indications and techniques for addressing bone insufficiency.
4. To select management strategies and techniques for failed instability procedures.
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Speakers:
Arthroscopic Bankart Repair: How I Do It and Why - Peter Lapner, ON
Everything but Bankart Repair: Recognizing and Treating Other Instability-related Pathology - Richard Boorman, AB
Primary Bone Reconstruction: Indications and Technique for Addressing Bone Insufficiency - Danny Goel, BC
Revision Instability Repair and Reconstruction: Options and Techniques for Failed Instability Procedures - Bill Regan, BC

Cases: Jeffrey Pike, BC

Critical Issues Paper Session Moderator: Veronica Wadey, ON

Adult Knee Reconstruction 2 Paper Session Moderators: David Backstein, ON

Paediatrics Paper Session Moderators: Marc Moreau, AB; Carmen Brauer, AB

18:45-23:00 Soirée under the Sea! Join the COA and CAOS at a fun-filled end of the meeting gala with dinner and dancing at the Vancouver Aquarium. Raise a glass, toast the meeting and dance to the tunes of Vancouver's very own The BobCats. Bring the family!

SATURDAY, JUNE 20, 2015

7:15-8:45 Instructional Course Lectures

ICL7: Arthroplasty: Successful Management of Periprosthetic Joint Infections
Moderator: Glen Richardson, NS

Objectives:
1. Identify best techniques to diagnose an infected total joint arthroplasty
2. Able to determine cases appropriate for incision and drainage vs single stage or two stage revision in the
treatment of infection.
3. Learn the important steps in managing patients with failed management of infections
4. Demonstrate ways to prevent infection that can be incorporated into your practice.

Speakers:
- Introduction: Epidemiology of Periprosthetic Joint Infections: Should We Worry? Glen Richardson, NS
- Making the Diagnosis of Infection with the Painful Total Joint Replacement - Nelson Greidanus, BC
- Management of the Infected Total Joint Replacement - Rob Nelissen, Netherlands
- The Revision is Infected Again: Now What? David Backstein, ON
- Can We Prevent Infections? Eric Bohm, MB

ICL8: Sports 2: Deciding On the Optimal Intervention for the Painful Pre-Arthritic Hip: A Case-Based Discussion
Moderator Paul Beaulé, ON

Objectives:
1. Review diagnostic criteria for dysplasia and femoroacetabular impingement.
2. Review systematic evaluation and treatment for labral tears.
3. Review indications for hip arthroscopy versus open hip surgery.

Panelists:
Jim Powell, AB
Etienne Belzile, QC
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Ivan Wong, NS

**ICL9: Case-Based Foot and Ankle Trauma**  
*Moderator:* Stephen Hunt, AB

A variety of cases will be discussed from the Foot and Ankle and Trauma perspectives. Feel free to bring a case for discussion.

**Objectives:**
1. Review preferred surgical approaches for different fracture patterns
2. Understand optimal fixation techniques
3. Review how to deal with common complications

**Panelists:** David Sanders, ON; Gord Goplen, AB

**ICL10: Upper Extremity: Challenges in Shoulder Arthroplasty**  
*Moderator:* Peter Lapner, ON

**Objectives:**
1. Have a better understanding of the workup, diagnosis and management of infection in shoulder arthroplasty.
2. Understand the current evidence in prevention and management of instability in shoulder arthroplasty.
3. Have reviewed the evidence on glenoid component survivorship; importance of lucencies, and how the surgical strategy and implant selection may influence outcomes related to glenoid fixation.

**Speakers:**
- Why Does Instability Occur Following Shoulder Arthroplasty? Prevention and Management - Dominique Rouleau, QC
- How to Approach the Arthritic Glenoid: Surgical Technique and Implant Selection. What are the Options and do They Influence Glenoid Survivorship? - Darren Drosdowech, ON
- Is the Shoulder Infected? The Workup and Diagnosis of the Potentially Infected Shoulder Arthroplasty - Peter Lapner, ON
- Management of the Infected Shoulder Prosthesis: What is the Current Best Practice? - Ryan Bicknell, ON

**ICL 11: 21st Century Emergence of Study Groups in the World of Spine Deformity**  
*Moderators:* Ron El-Hawary, NS; Firoz Miyanji, BC

**Objectives**
1. To provide an overview of the major study groups that relate to spine deformity
2. To highlight the history and importance of these study groups
3. To outline key research studies that have emerged from these study groups
4. To discuss a Canadian perspective on the utility of study groups

**Speakers:**
- Early Onset Scoliosis - Children's Spine and Growing Spine Study Groups - Ron El-Hawary, NS
- Adolescent Spine Deformity - Harms Study Group - Firoz Miyanji, BC
- Adult Spine Deformity - International Spine Study Group - Alexandra Soroceanu, AB
- Canadian Paediatric Spine Deformity - Paul Moroz, ON
- What is at the Core of a Multi-Center RCT - Nathan Evaniew, ON

8:45-10:45  **Symposium 4: Canadian Orthopaedic Association Global Surgery (COAGS) Symposium**  
*Moderator:* Paul Moroz , ON
Objectives:
1. Provide a forum for dissemination of issues, ideas, techniques, problems and solutions for surgeons working in "low resourced" settings.
2. Provide an opportunity to learn about involvement in Global Surgery or Disaster Response.
3. Provide opportunities to network with organizations involved in Global Surgery, for example the Canadian Network for International Surgery, Canadian Red Cross Emergency Response Unit, Doctors Without Borders, and the Canadian Military.
4. Discuss future goals and objectives of the COA subsection on Global Surgery

Speakers:
- Andrew Furey - Team Broken Earth (TBE) / Improving Health Care in Haiti
- Norgrove Penny - Canadian Network for International Surgery (CNIS) / College of Surgeons of East, Central and Southern Africa (COSECSA) Essential Osteomyelitis Course in Tanzania
- Nathan O'Hara – UBC’s Uganda Sustainable Trauma Orthopaedic Program (USTOP) / Engineers in Scrub’s Drill Cover Initiative
- Mohit Bhandari - International ORthopaedic Multicenter Study in Fracture Care (INORMUS)

10:30-11:00 Coffee Break (Near Plenary)

11:00-12:30 Symposium 5: Total Knee Replacement Beyond Navigation
Moderator: Bas Masri, COA President

Objectives:

Speakers:
- Alignment in TKR. What is the Fuss? Brent Lanting, ON
- Surgical Navigation for TKR – Is this Yesterday’s Technology, or the Way of the Future? Glen Richardson, NS
- Patient Specific Instruments in TKR - Pros and Cons - Nelson Greidanus, BC
- Beyond Navigation – Intelligent Instruments and Robots - Michael Dunbar, NS

11:00-12:30 Trauma Symposium2: Evidence Based Fracture Update
Moderator: Aaron Nauth, ON

Objectives:
1. Outline the evidence-based management of hip fractures in young and elderly patients.
2. Review the latest evidence on fixation of periprosthetic fractures about total hip and total knee replacements.
3. Discuss the available evidence for surgical versus non-surgical treatment of proximal humerus fractures.

Periprosthetic Fractures of the Femur About a THA: Evidence-based Fixation - Emil Schemitsch, ON
Periprosthetic Distal Femur Fractures About a TKA: What's the Best Construct? Aaron Nauth, ON
Proximal Humerus Fractures: Evidence-based Decision-Making between ORIF, Arthroplasty, and Conservative Treatment - Michael McKee, ON
Weight Bearing Status after Lower Extremity Fracture Surgery: What's the Evidence for Early Weight Bearing? Niloofar Dehghan, ON

Paediatrics/Spine Paper Session Moderators: John Tuffley, AuOA President; Éric Nectoux, CFBS Fellow, France
Upper Extremity Paper Session Moderators: Jason Old, MB; Jaydeep Moro, ON
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12:30-13:15  Lunch (Near Plenary)

13:15-14:45  Paper Sessions
Adult Reconstruction Hip 3 Moderators: Don Garbuz, ON; Wade Gofton, BC
Sports 2 Moderators: Femi Ayeni, NS; Randy Mascarenhas, Texas
Spine Moderators: Alexandra Soroceanu, NS; Frederic Paternostre, CFBS Fellow, Belgium
Upper Extremity 2 Moderators: Patrick Chin, BC; Richard Boorman, AB
Trauma 2 Moderators: Henry Broekhuyse, BC; Lawrence Marsh, AOA President

9:15-15:00  COFAS Think Tank - held at the Hyatt Regency
Sponsored by Wright Medical