

**SCIENTIFIC PROGRAM**  
**SUNDAY, JUNE 20<sup>th</sup>**

0700 - 0830 **ICL13 Sports/Upper Extremity: The Athlete's Shoulder**  
**• Salon 15/16**

Moderator(s): Mario R Taillon, SK

Objectives:

After attending this ICL, the learner will be able to:

1. Develop an approach to the management of Acute and Chronic AC Joint Injuries - when to operate and what surgical options are available.
2. Understand the normal vs. abnormal anatomy of the superior labrum.
3. Be able to know the role of physical exam and imaging studies in evaluating Slap Tears. Identify when to repair Slap Tears and when to tenodesis the biceps tendon.
4. Participants will be able to Identify and manage bony deficiency of the glenoid and humeral head in complex shoulder instability.
5. Participants will be able to evaluate and manage the cause of failed Shoulder Instability surgery, and learn pearls to manage these difficult cases.

**Management of Acute and Chronic AC Separations in the Athlete**

Jordan M Leith, BC;

**Anatomy/Presentation and Management of Slap Tears in the Athlete**

Martin Joseph Bouliane, AB;

**Shoulder Instability in the Athlete – How I Manage Bony Deficiency on the Glenoid and Humeral Side**

Mark Heard, AB;

**Complex Instability Surgery and Revision Shoulder Instability - How I Manage These Difficult Problems**

Anthony Miniaci, US;

0700 - 0830 **ICL14 Paediatrics: An Approach to Back Pain in Children**  
**• Salon 13/14**

Moderator(s): Christopher S Reilly, BC;

Objectives:

After attending this ICL, the learner will be able to:

1. Identify common causes of back pain in children.

2. Formulate an approach to the diagnosis of back pain in children.
3. Develop an approach to treatment of back pain in children.

Panel:

Christopher S Reilly, BC;  
Doug Hedden, AB;  
Vic Sahajpal\*, NL;

0700 – 0830 **ICL15 Trauma: Fractures of the Hip, Femur and Knee-  
Case-based Scenarios • Salon 3**

Moderator(s): Ross K Leighton, NS

Objectives:

1. Participants will be able to identify clinically and interpret radiographically different fracture patterns about the hip.
2. Participants will be able to appreciate the significance and implication of fracture pattern and attendant operative decisions for fractures about the hip.
3. Participants will be able to understand which surgical approaches allow optimal outcome for fractures about the hip.

Panel:

Matthew Menon, AB;  
Rodrick D Martin, NL;  
Donald Weber, AB;  
Robert Ostrum, US;

0700 - 0830 **ICL16 Hip: Case-based Primary and Revision TJA (Hip)  
• Salon 4**

Moderator(s): Richard W McCalden, ON

Objectives:

This ICL will involve a number of complex or controversial cases involving primary and revision THR. These cases will be presented to a panel of experts for their opinion and to promote discussion around various issues. Discussion and questions from the attendees is encouraged.

After attending this ICL, the learner will be:

- 1) Familiar with issues surrounding hip resurfacing, hip dysplasia, bearing choices, pre-existing hip deformity in relation to primary THR
- 2) Familiar with issues concerning infection, implant selection, recurrent dislocation and peri-prosthetic fracture in relation to revision THR

Panel:

Eric Bohm, MB;

Michael J Dunbar, NS;

Brian C Burkart, AB;

0845 - 1015 **Paper Session #18 COA Knee Reconstruction • Salon 3**

Moderator(s): Jason R Werle, AB, and Guy J Lavoie, AB

**161 - 0845**

**Total Knee Arthroplasty After Distal Femoral Varus Osteotomy: Mid-term Results of Selectively Stemmed Posterior Stabilised Components**

**Michael G Zywiell**, US; Yona Kosashvili, ON; Allan E Gross, ON; Oleg Safir, ON; Dror Lakstein, ON; David Backstein, ON;

**162 - 0851**

**Revision Total Knee Arthroplasty for Malrotational Implant Positioning**

**Sanket Diwanji**, QC; Jean-Michel Laffosse, QC; Martin Lavigne, QC; Pascal-André Vendittoli, QC;

**163 - 0857**

**Minimum Ten Year Results of the Genesis II Total Knee Arthroplasty System**

**Richard W McCalden**, ON; Robert B Bourne, ON; Kory D Charron, ON; Steven JM MacDonald, ON; Cecil H Rorabeck, ON;

0903 Discussion

**164 - 0913**

**Outcomes of Total Knee Arthroplasty in Patients Under Fifty-five**

**Maxwell McCabe**, ON; Steven JM MacDonald, ON; Richard W McCalden, ON; Robert B Bourne, ON; Douglas D Naudie, ON;

**165 - 0919**

**What Is the Fate of Recurrent Deep Sepsis Following Two-Stage Revision for Infection in Total Knee Arthroplasty**

**Siva K Ariaretnam**, ON; Robert B Wallace, ON; Robert B Bourne, ON; Steven JM MacDonald, ON; Richard W McCalden, ON; Douglas D Naudie, ON; Kory D Charron, ON;

**166 - 0925**

**A 5 to 12-Year Review of the Prostalac Functional Spacer in 2-Stage Revision for Infected Knee Arthroplasty**

**Bas A Masri**, BC; Christopher R Gooding, BC; Nelson V Greidanus, BC; Donald S Garbuz, BC;

0931 Discussion

**167 - 0941**

**Cemented Short Tibial Stems in Revision Knee Arthroplasty: Cohort Report of 77 Patients**

Jeffrey D Gollish, ON; Vaughan R Poutawera, ON; Ahsan J Butt, ON;

**168 - 0947**

**The Impact of Baseline Mental Health Status on Outcomes for Primary Knee Replacement Patients**

John M Froelich, US; Wendy M Novicoff, US; William M Mihalko, US; Khaled J Saleh, US;

**169 - 0953**

**Functional Outcome of Revision Total Knee Replacement – is it as Poor as We Think it is?**

Thomas R Turgeon, MB; Eric R Bohm, MB; Martin J Petrak, MB; Michael Sinaisky, MB;

**170 - 0959**

**Complications Following Minimally Invasive Total Knee Replacement as Compared to Traditional Incision Techniques: A Meta-analysis**

Rajiv Gandhi, ON; Holly Smith, ON; Kelly Lefavre, BC; J Roderick Davey, ON; Nizar N Mahomed, ON;

1005 Discussion

0845 – 1015 **Paper Session #19 COA Upper Extremity • Salon 4**

Moderator(s): Ryan T Bicknell, ON and Robert H Hawkins, BC

**171 - 0845**

**Indications for SLAP Type II Repairs: Impact of Age and Associated Pathology on Clinical Outcomes**

Richard M Holtby, ON.; Helen Razmjou, ON; Eran Maman, IL;

**172 - 0851**

**Revisited: Reliability of the Walch Classification of the Glenoid in Glenohumeral Osteoarthritis**

Dominique M Rouleau, QC; Jake Kidder, US; Juan Pons de Villanueva, ES; Savvas Dynamidis, IT; Michael De Franco, US; Gilles Walch, FR;

**173 - 0857**

**Prospective Clinical Outcome of the Delta III Prosthesis for Shoulder Pseudoparalysis: The Initial Canadian Experience**

**Daniel P Goel**, US; Darren S Drosdowech, ON; Joy Macdermid, ON; Kate Iosipchuk, ON; Paul Jarman, ON; Kenneth J Faber, ON;

0903 Discussion

**174 - 0913**

**Locked-plate Designs for Proximal Humerus Fractures Perform Better Than the Conventional Cloverleaf Plate in an Osteoporotic Model**

**Adrienne M Kelly**, NS; Kelly Trask, NS; Ross K Leighton, NS;

**175 - 0919**

**Displacement of the Radial Head about the Capitellum: The Radio-Capitellum Ratio (RCR), a New Validated Method to Measure It**

**Emilie Sandman**, QC; Dominique M Rouleau, QC; G. Yves Laflamme, QC; Fanny Canet, QC; Georges S Athwal, ON; Benoit Benoit\*, QC; Yvan Petit, QC;

**176 - 0925**

**Measurement Properties of Disability Outcome Measures in Patients with Advanced Osteoarthritis of Shoulder**

**Helen Razmjou**, ON; Richard Holtby, ON; Suzanne Denis, ON; Terry Axelrod, ON; Robin R Richards, ON;

0931 Discussion

**177 - 0941**

**An Examination of Inter- and Intra-Rater Reliability of Shoulder Radiographs among Patients with Recurrent Instability Requiring Surgical Correction**

**Martin J Bouliane**, AB; David M Sheps, AB; Holman Chan, AB; Robert M Lambert, AB; Robert Glasgow, AB; Kyle A Kemp, AB;

**178 - 0947**

**Strain in Glenoid Bone in Total Shoulder Arthroplasty: an *in-vitro* study**

**R Andrew Glennie**, ON; Joshua W Giles, ON; Louis M Ferreira, ON; George S Athwal, ON; James Johnson, ON; Kenneth Faber, ON;

**179 - 0953**

**Factors Affecting Stability of the Reverse Total Shoulder Arthroplasty**

**Ryan T Bicknell**, ON; Alex Bertelsen, US; Frederick Matsen, US;

**180 - 0959**

**The Medial Calcar is Directly Correlated with Humeral Head Version : A CT-based Study**

Daniel P Goel, US; George S Athwal, ON; Joy Macdermid, ON;

1005 Discussion

0845 - 1015

**Paper Session #20 COA Education • Salon 15/16**

Moderator(s): Markku T Nousiainen, ON and Kenneth J. Faber, ON

**181 - 0845**

**A Comparison of Orthopaedic Residents' Performance on the Surgical Fixation of an Ulna Fracture Using Virtual Reality and Sawbones Simulators**

Justin M LeBlanc, AB; Carol Hutchison, AB; Manar Din Samad, AB; Aron Su, AB; Antoine Widmer, AB; Yaoping Hu, AB; Tyrone Donnon, AB;

**182 - 0851**

**The Measurement of Changes in the Self-perceived Confidence of Orthopaedic Trainees After an Arthroscopic Skills Course**

Jesse A Shantz, MB; Jeffrey Leiter, MB; Sheila McRae, MB; Peter B MacDonald, MB;

**183 - 0857**

**Prevalence of Abuse and Intimate Partner Violence Surgical Evaluation (P.R.A.I.S.E.): A Cross-sectional Study at Two Fracture Clinics in Ontario**

Emil H Schemitsch, ON; PRAISE Investigators, ON;

0903 Discussion

**184 - 0913**

**Help versus Harm? The Effect of Training Femoral Neck Screw Insertion Skills to Surgical Trainees with Computer-assisted Surgery: Comparison to Conventional Fluoroscopic Technique**

Markku T Nousiainen, ON; Patrick Zingg, CH; Daniel Omoto, NS; Heather Carnahan, ON; Yoram Weil\*, IL; Hans Kreder, ON; David L Helfet, US;

**185 - 0919**

**Revised Title: Quality of Life and Educational Benefit Among Orthopaedic Surgery Residents: A Prospective, Multi-centre Comparison of the Night Float and the Standard Call Systems**

Ali Zahrai, ON; Jaskarndip Chahal, ON; Dan Stojimirovic, ON; Albert Yee, ON; Emil H Schemitsch, ON; William Kraemer, ON;

**186 - 0925****Core Competencies Important for Canada's Graduating Orthopaedic Surgeon****Veronica M Wade**, ON; Parvati Dev, US; Richard Buckley, AB; Douglas Hedden, ON;

0931 Discussion

**187 - 0941****Understanding the "Personality" of the Associated-both-Column Acetabular Fracture using Visuo-haptic Feedback****Markian A Pahuta**, ON; Emil H Schemitsch, ON; David Backstein, ON; Steven Papp, ON; Wade Gofton, ON;**188 - 0947****Spine Surgery Core Curriculum: A Review of Competencies in Subspecialty Fellowship Training****Harsha Malempati**, ON; Veronica Wade, ON; David Backstein, ON; Hans Kreder, ON; Scott Paquette, BC; Eric Massicotte, ON; Albert Yee, ON;**189 - 0953****Quality Reporting: Trials Lack Citations of Indices and Scales to Assess Disability****Amy M Hoang-Kim**, ON; Mohit Bhandari, ON; Dorcas E Beaton, ON; Emil H Schemitsch, ON;**190 - 0959****Surgical Simulators and Hip Fractures: A Role in Residency Training?****John M Froelich**, US; Joseph C Milbrandt, US; D Gordon Allan, US;

1005 Discussion

0845 - 1015 **Paper Session #21 COA Spine • Salon 13/14**

Moderator(s): John Street, BC

**191 - 0845****Radiologic Assessment of Lumbar Spine Fusion: Is it (Con)fused?****Christina Goldstein**, ON; Stephen Petis, ON; Marcin Kowalczyk, ON; Brian Drew, ON; Brad Petrisor, ON; Mohit Bhandari, ON;

**192 - 0851**

**Introducing a New Health Related Quality of Life Outcome Tool for Metastatic Disease of the Spine. Content Validation Using the International Classification of Functioning, Disability and Health**

John Street, BC; Brian Lenehan, BC; Charles Fisher, BC;

**193 - 0857**

**CT and MRI for Assessment of Degenerative Lumbar Spinal Stenosis: Is MR Superior to CT?**

Christopher S Bailey, ON; Khalid Alsaleh, ON; Derek Ho, ON; Patricia Rosas-Arellano, ON; Stewart I Bailey, ON; Kevin R Gurr, ON;

0903 Discussion

**194 - 0913**

**Spinal Column and Spinal Cord Injuries in Mountain Bikers: A Thirteen-Year Review**

Emily R Dodwell, BC; Brian Kwon, BC; Barbara Hughes, BC; David Koo, BC; Andrea Townson, BC; Allan Aludino, BC; Richard Simons, BC; Charles Fisher, BC; Marcel Dvorak, BC; Vanessa Noonan, BC;

**195 - 0919**

**3D Spine Morphologic Differences at First Visit Between Non-evolutive and an Evolutive Adolescent Idiopathic Scoliosis**

Marie-Lyne Nault, QC; Stefan Parent, QC; Marjolaine Roy-Beaudry, QC; Jacques A de Guise, QC; Hubert Labelle, QC;

**196 - 0925**

**Electrical Stimulation in Spine Fusion: A Meta-analysis of Randomised Controlled Trials**

Christina Goldstein, ON; Brad Petrisor, ON; Brian Drew, ON; Mohit Bhandari, ON;

0931 Discussion

**End of meeting**