

**SUNDAY, JUNE 4<sup>TH</sup>**

**0700 – 1200      REGISTRATION      CONOURSE COAT CHECK**

**0700 – 0830      INSTRUCTIONAL COURSE LECTURES (concurrent sessions)**

**ICL-11:      FOOT AND ANKLE <sup>A</sup>      ELGIN**

New Approaches to Old Problems

Moderator: T. Daniels

Panel: P. Rippstein, A. Younger, I. Russell, M. Glazebrook, J. Lau, M. Penner, K. Wing

**DESCRIPTION:**

Treatment of Metatarsalgia	T. Daniels
Total Ankle Arthroplasty	P. Rippstein
Anatomic Lateral Ligament Reconstruction	A. Younger
Retrograde Tibial Nail	I. Russell
Ankle Arthroscopy for OCD	M. Glazebrook
First MTP: Joint Replacement or Fusion	J. Lau
ORIF for Calcaneal Fractures	M. Penner
Lapidus Procedure for Hallux Valgus	K. Wing

**ICL-12:      TRAUMA      KENT**

Pathological Fractures

Moderator: P. Blachut

Panel: R. Turcotte, W. Dust, R. Martin

Learning Objectives:

Faculty will present cases

Audience participants are invited to bring their own cases to the lecture for discussion

**ICL-13:      SPORTS MEDICINE      WENTWORTH**

Controversies in Shoulder Instability

Moderator: R. Hawkins

Panel: D. Whelan, R. Litchfield, I. Lo

Surgery for the First Time Dislocators: Is it Indicated?      D. Whelan

Debate:

Open versus Scope Stabilization of the Shoulder for Recurrent Anterior Dislocation	
Open Stabilization	R. Litchfield
Scope Stabilization	I. Lo
Difficult Instability Cases	R. Hawkins

**ICL-14:      PAEDIATRICS:      HURON**

Case-based Trauma Rounds

Moderator: K. Leitch

Panel: D. Hedden, A. Howard, T. Carey, **S. Weinstein (AAOS President)**, G. Grimard, G. Keifer

**DESCRIPTION:**

Case-based Trauma Rounds

**ICL-15: ADULT RECONSTRUCTION - HIP KENORA**

Case-based Difficult Primary and Revision Total Hip Arthroplasty

Moderator: S. MacDonald

Faculty : M. Dunbar, J. Rudan, R. Davy, P. Beaulé, M. Winemaker

Learning Objectives:

Faculty will present cases.

Audience participants are invited to bring their own cases to the lecture for discussion.

**0700 – 0800 FOCUS – Canadian Investigators Meeting CONFERENCE C**

**0845 – 1200 COFAS Scientific Meeting CITY HALL**

**0845 – 1015 SCIENTIFIC SESSION 11: ESSEX**

**COA - TRAUMA 2 - GENERAL**

**Moderators: D. Pichora (Kingston, ON)**

**M. McKee (Toronto, ON)**

**PAPER 103** Comparison of SPECT Bone Scintigraphy with MRI for Diagnosis of Meniscal Tears

**0845 – 0851 M. Tahmasebi, Tehran, IRAN**

*A. Gholamrezanezhan, Tehran, IRAN*

*M. Saghari, Tehran, IRAN*

*M-N. Tahmasebi, Tehran, IRAN*

Our objective was to assess the value of SPECT and MRI for assessment of meniscal tears in 16 patients. Arthroscopy was gold standard. This prospective study demonstrated that MRI was only slightly superior to SPECT (the difference was not statistically significant). SPECT is a useful alternative when MRI is unavailable or unsuitable and is beneficial when more possible accuracy is desired.

**PAPER 104** Comparison of Bridging and Non Bridging External Fixation in the Treatment of Distal Radius Fracture

**0851 – 0857**

**P. Duffy, Calgary, AB**

*A. Hayes, Edinburgh, UNITED KINGDOM*

*M. McQueen, Edinburgh, UNITED KINGDOM*

The aim of this study is to define the indications for bridging and non-bridging external fixation in the treatment of unstable distal radius fractures. The study also endeavours to evaluate the complications and pitfalls associated with this treatment and to determine if non-expert surgeons can reproduce successful outcomes.

**PAPER 105** Thromboprophylaxis after Orthopaedic Surgery with BAY 59-7939 – An Oral, Direct Factor Xa Inhibitor:

**0857 – 0903**

**W. Fisher, Montréal, QC**

*K. Bauer, Boston, MA*

*L. Boris, Aarhus, DENMARK*

*O. Dahl, London, UNITED KINGDOM*

*B. Eriksson, Goteborg, GERMANY*

*M. Gent, Hamilton, ON*

*S. Haas, Munich, GERMANY*

*M. Homering, Wuppertal, GERMANY*

*M. Huisman, Leiden THE NETHERLANDS*  
*A. Kakar, London, UNITED KINGDOM*  
*P. Kålebo, Göteborg, SWEDEN*  
*L. Kwon, Los Angeles, CA*  
*A. Turpie, Hamilton, ON*

This pre-specified analysis combines data from two multicenter, multinational, double-blind, dose-ranging studies; the hip surgery trial was performed in Europe, and the knee surgery trial in North America.

**0903 – 0912** *Discussion (9 minutes)*

**PAPER 106**  
**0912 – 0918** Total Hip Arthroplasty After Operative and Conservative Treatment of an Acetabular Fracture

**J. Pan, Toronto, ON**  
*N. Aslam, Toronto, ON*  
*E. Schemitsch, Toronto, ON*  
*J. Waddell, Toronto, ON*

The purpose of this study was to evaluate total hip arthroplasty in the treatment of post-traumatic arthritis following acetabular fracture and to compare the long-term outcome of THA after previous open reduction and internal fixation or conservative treatment of the acetabular fracture.

**PAPER 107**  
**0918 – 0924** Bicortical Screw Pullout Force and Extraction Shear Stress in Synthetic Femurs  
**R. Zdero, Toronto, ON**

The purpose of this study was to quantify cortical bone screw pullout force and extraction shear stress in synthetic femurs.

**PAPER 108**  
**0924 – 0930** Femoral Neck Shortening After Cannulated Screw Fixation of Hip: Incidence & Effect On Functional Outcome  
**O. Ayeni, Hamilton, ON**

To determine if femoral neck shortening after cannulated screw fixation has a negative impact on patients' quality of life.

**PAPER 109**  
**0930 – 0936** Dual Energy X-ray Absorptiometry in Ilizarov Lengthening Prior to Removal of the Fixator  
**N. Saran, Montréal, QC**  
*R. Hamdy, Montréal, QC*

This is a novel method to predict safe removal of fixator after distraction osteogenesis based on DEXA scans. 22 patients underwent 23 lengthenings. The average lengthening was 5.4cm and the average healing index was 46 days/cm. There were no fractures of the regenerate after removal of the fixation apparatus.

**0936 – 0948** *Discussion (12 minutes)*

**PAPER 110**  
**0948 – 0954** Outcome Analysis of Paediatric Chance Fractures  
**K. Mulpuri, Vancouver, BC**

*R. Choit, Vancouver, BC*  
*C. Reilly, Vancouver, BC*  
*N. Saran, Vancouver, BC*  
*S. Tredwell, Vancouver, BC*

The purpose of this study was to assess the clinical, radiological, and functional outcomes following the treatment of a lumbar Chance fracture and to analyze the spectrum of associated abdominal injuries as seen in the Seat Belt Syndrome.

**PAPER 111**  
**0954 – 1000**

Impact of an Osteoporosis Exemplary Care Program in Improving Osteoporosis Diagnosis and Treatment

**S. Ward, Toronto, ON**  
*D. Beaton, Toronto, ON*  
*E. Bogoch, Toronto, ON*  
*V. Elliot-Gibson, Toronto, ON*  
**J. Laughren, Toronto, ON**

To evaluate the impact of the Osteoporosis Exemplary Care Program (OECF) on orthopaedic surgeons' practice patterns at St. Michael's Hospital.

**PAPER 112**  
**1000 – 1006**

Functional Outcome of Femoral Head Fractures

**K. Droll, Vancouver, BC**  
*P. Guy, Vancouver, BC*  
*P. O'Brien, Vancouver, BC*  
*G. Perriera, Vancouver, BC*

The purpose of this study was to evaluate self-reported functional outcome of patients who have sustained a femoral head fracture.

**1006 – 1015**

*Discussion (9 minutes)*

**0845 – 1015**

**SCIENTIFIC SESSION 12:**  
**COA - ADULT RECONSTRUCTION - KNEE**

**GRAND  
BALLROOM E**

**Moderators:**

**J. Gollish (Toronto, ON)**  
**J. Rudan (Kingston, ON)**  
**J. Sikorski (AusOA President)**

**PAPER 113**  
**0845 – 0851**

Midterm Comparison of Cruciate Retaining vs Cruciate Sacrificing TKA - A Multicenter Randomized Trial

**K. Harato, London, ON**  
*R. Bourne, London, ON*  
*J. Marr, London, ON*  
*J. Overhauser, Memphis, TN*  
*International Knee Study Group, London, ON*

The purpose of the current study was to compare the effectiveness and safety of the Genesis II component between Cruciate Retaining (CR) versus Posterior Sacrificing (PS) Total Knee Arthroplasties (TKA's). Results of this study at the midterm follow-up indicate that PS TKA's may provide greater mobility compared with CR TKA's.

**PAPER 114**  
**0851 – 0857**

A Multicentered Randomized Clinical Trial Comparing Non-Modular to Modular Total Knee Replacements

**S. Wotherspoon, London, ON**  
*R. Bourne, London, ON*  
*A. Danesh-Clough, London, ON*  
*R. Leighton, Halifax, NS*  
*R. McCalden, London, ON*  
*D. Petrie, Halifax, NS*

To compare the clinical results and costs of a non-modular, all-polyethylene tibial component versus a modular tibial component in patients older than 70.

**PAPER 115**  
**0857 – 0903**

Intramedullary Guide for Femoral Component Positioning in TKA: How Entry Point Affects Femoral Component Positioning

**R. Walker, Toronto, ON**  
*E. Schemitsch, Toronto, ON*  
*J. Waddell, Toronto, ON*

This cadaveric study examines how changes in femoral entry point for intramedullary instrumentation of total knee replacements affects femoral component positioning.

**0903 – 0912**

*Discussion (9 minutes)*

**PAPER 116**  
**0912 – 0918**

Impact of Medial Opening or Lateral Closing Wedge Tibial Osteotomy on Bone Resection During TKA

**T. Whitehead, London, ON**  
*D. Bryant, London, ON*  
*P. Fowler, London, ON*  
*R. Giffin, London, ON*  
*K. Willits, London, ON*

To compare lateral closing to medial opening wedge HTO for a similar angle of correction with regard to change in proximal tibial bony anatomy and posterior cruciate ligament tibial attachment integrity following standard tibial arthroplasty resection.

**PAPER 117**  
**0918 – 0924**

Outcome of Unicompartmental Knee Arthroplasty In Patients Receiving Worker's Compensation

**J. Bourque, Vancouver, BC**  
*B. Masri, Vancouver, BC*  
*S. Patil, Vancouver, BC*

Outcomes of unicompartmental knee arthroplasty in patients receiving worker's compensation (WCB) were compared to outcomes in patients without a WCB claim using Knee Society Scores. Both groups showed improvements postoperatively, but the non-WCB group scored significantly higher than the WCB group in both function and knee scores.

**PAPER 118**  
**0924 – 0930**

Initial Experience with Oxford Knee - Lessons from an Academic Practice

**G. Dervin, Ottawa, ON**  
*A. Conway, Ottawa, ON*

Resurgence in mobile bearing unicompartmental arthroplasty of the knee has come to Canada in last 3 years. This has been attributed to the popularity of minimally invasive surgery, improved instrumentation, and encouraging outcome results from the developers and others. A prospective study was undertaken at an academic institution to evaluate the initial experience with the first 400 Oxford knees.]

**PAPER 119**  
**0930 – 0936**

Tibial Tubercle Osteotomy (TTO) in 2nd Stage Total Knee Arthroplasty (TKA) Reimplantation Following Infection : Results and Technical Considerations

**R.S.J. Burnett, St. Louis, MO**

J.C. Clohisy, St. Louis, MO  
W.J. Maloney, St. Louis, MO  
M. Ponzar, St. Louis, MO

To evaluate the clinical, radiographic, complications, and patient satisfaction results of 2nd stage reimplantation revision TKA with the use of a TTO. Technical aspects of TTO length, fixation, bypass, and complications are reported.

**0936 – 0948** *Discussion (12 minutes)*

**PAPER 120**  
**0948 – 0954** A Prospective Randomized Controlled Trial using Roentgen Stereophotogrammetric Analysis of a Trabecular Metal Tibial Monoblock Knee Arthroplasty Component – 1 Year Results

M. Dunbar, Halifax, NS  
D. Wilson, Halifax, NS  
A. Hennigar, Halifax, NS  
D. Amirault, Halifax, NS  
G. Reardon, Halifax, NS  
M. Gross, Halifax, NS

To investigate the stability of an uncemented Trabecular Metal (TM) tibial component we used maximum total point motion (MTPM) as determined with RSA to compare micromotion at the tibial component/bone interface between the uncemented Nexgen TM monoblock and cemented Nexgen cobalt chrome modular knee prostheses.

**PAPER 121**  
**0954 – 1000** A Prospective Randomized Controlled Trial Using Roentgen Stereophotogrammetric Analysis of the ADVANCE Medical Pivot Knee: 2 Year Results

M. Dunbar, Halifax, NS  
E. Laende, Halifax, NS  
A. Hennigar, Halifax, NS  
D. Amirault, Halifax, NS  
G. Reardon, Halifax, NS  
M. Gross, Halifax, NS

To investigate the stability of the MP knee we used maximum total point motion (MTPM) as determined with RSA to compare micromotion at the tibial component/bone interface between the Advance MP and PS knees.

**PAPER 122**  
**1000 – 1006** Survival of Medial UKA, A Single Surgeon Experience with 411 Knees

**J. McAuley, Alexandria, VA**  
M. Collier, Alexandria, VA  
T. Eickmann, Alexandria, VA  
G. Engh, Alexandria, VA

411 UKA were evaluated to identify factors increasing the odds of revision. They included: younger patient age, thinner tibial component, longer polyethylene shelf age, but not gender and weight. Survival at nine years was 80%. With tibial component thickness greater than 7mm and shelf age was under 1 year, nine-year survival was 94%.

**1006 – 1015** *Discussion (9 minutes)*

**0845 – 1015** **SCIENTIFIC SESSION 13:**  
**COA - SPINE**

**SIMCOE /**  
**DUFFERIN**

**Moderators:**  
**A. Yee (Toronto, ON)**  
**R. Rampersaud (Toronto, ON)**

**PAPER 123**  
**0845 – 0851**

Incidence of Adjacent Segment Degeneration after Extended Thoracolumbar Spinal Fusion

**E. Abraham, St. John, NB**

The primary purpose of this study was to identify the incidence of ASD after multilevel( $\geq 3$ ) thoracolumbar fusions for degenerative disorders. Risk factors for ASD were to be determined.

**PAPER 124**  
**0851 – 0857**

Metastatic Burst Fracture Risk Under Complex Loading of the Thoracic Spine

**C. Tschirhart, Toronto, ON**

*J. Finkelstein, Toronto, ON*

The objective of this study was to evaluate the effect of multiple loading conditions and the presence of the ribcage on a metastatically-involved thoracic spinal motion segment.

**PAPER 125**  
**0857 – 0903**

Burst Fracture Risk in the Metastatic Spine: Effects of Vertebral Level, and Transcortical Tumours

**C. Tschirhart, Toronto, ON**

*J. Finkelstein, Toronto, ON*

The objective of this study was to use parametric finite element modeling to determine the effects of vertebral level, geometry, and metastatic compromise to the cortical shell on the risk of burst fracture initiation in the thoracic spine.

**0903 – 0912**

*Discussion (9 minutes)*

**PAPER 126**  
**0912 – 0918**

Role of Estrogens in the Pathogenesis of Adolescent Idiopathic Scoliosis

**K. Letellier, Montréal, QC**

*B. Azzedine, Montréal, QC*

*G. Grimard, Montréal, QC*

*H. Labelle, Montréal, QC*

*S. Leclerc, Montréal, QC*

*L-O. Lévesque, Montréal, QC*

*F. Moldovan, Montréal, QC*

*A. Moreau, Montréal, QC*

*J. Ouellet, Montréal, QC*

*B. Poitras, Montréal, QC*

*C-H. Rivard, Montréal, QC*

*I. Turgeon, Montréal, QC*

*D S Wang, Montréal, QC*

The role of estrogens as triggering or aggravating factors in AIS etiopathogenesis was investigated. In AIS osteoblasts exposed to 17- $\beta$ -estradiol, we observed increased phosphorylation of melatonin receptor interacting proteins, as well as an estrogen dependent abrogation of melatonin-induced reduction of cAMP. Our data suggests that a crosstalk between estrogens and melatonin may underlie AIS etiopathogenesis.

**PAPER 127**  
**0918 – 0924**

Post-op Change in Quality of Life: Comparison Between Primary Hip Osteoarthritis and Spinal Stenosis

**V. Stas, Toronto, ON**

*R. Davey, Toronto, ON*

*N. Khattab, Toronto, ON*

*S. Lewis, Toronto, ON*  
*N. Mahomed, Toronto, ON*

The primary objective of this study was to determine if surgical treatment for spinal stenosis is comparable to total hip arthroplasty in improving patients' self-reported quality of life.

**PAPER 128**  
**0924 – 0930**      Outpatient Spinal Stenosis Decompression: Feasibility and Early Outcomes  
**A. Al-belooshi, Toronto, ON**  
*S. Lewis, Toronto, ON*  
*R. Rampersaud, Toronto, ON*

The purpose of this study was to demonstrate the feasibility and early outcomes of one- and two-level lumbar decompression performed as an outpatient procedure.

**PAPER 129**  
**0930 – 0936**      The Use of Intra-Operative Skull-Femoral Traction in the Correction of Scoliosis  
**S. Jhaveri, Toronto, ON**  
*S. Lewis, Toronto, ON*

To determine whether skull-femoral traction is a predictor of final surgical correction in scoliosis surgery and obviates the need for anterior release in severe deformities

**0936 – 0948**      *Discussion (12 minutes)*

**PAPER 130**  
**0948 – 0954**      Early Results and Complications of Spinal Cord Level Pedicle Subtraction Osteotomy  
*S. Lewis, Toronto, ON*  
*R. Rampersaud, Toronto, ON*  
*M. Singrahkia, Toronto, ON*

To determine the results and safety of patients undergoing spinal cord level (SCL) pedicle subtraction osteotomy (PSO) for the treatment of thoracic kyphosis

**PAPER 131**  
**0954 – 1000**      Outcome of Long Fusions to L5 in an Adult Deformity Population  
**G. Swamy, Calgary, AB**  
*S. Berven, San Francisco, CA*  
*E. Boyd, San Francisco, CA*  
*D. Bradford, San Francisco, CA*  
*V. Deviren, San Francisco, CA*  
*S. Hu, San Francisco, CA*

To document clinical and radiographic outcome, and survivorship of long fusion constructs (>T12) stopping at L5.

**PAPER 132**  
**1000 – 1006**      Predictors for Transfusion During Elective Spinal Fusion Surgery  
**W. Oxner, Halifax, NS**  
*A. Ngan, Halifax, NS*

To develop a regression equation using pre-operative variables to predict the likelihood of transfusion intra- or post- operatively for patients undergoing elective spinal fusion surgery.

**1006 - 1015**      *Discussion (9 minutes)*

**0845 – 1015**      **SCIENTIFIC SESSION 14:**  
**COA - SPORT MEDICINE – LOWER EXTREMITY**  
**Moderators:**      **R. Litchfield (London, ON)**

**CIVIC**

**W. Stanish (Halifax, NS)**  
**R. Tregonning (NZOA President)**

**PAPER 133**  
**0845 – 0851** Anterior Cruciate Ligament Reconstruction Using Hamstring Grafts in Patients Over 40 Years Old

**L. Geller, Montréal, QC**  
*M. Burman, Montréal, QC*  
*E. Lenczner, Montréal, QC*  
*R. Marien, Montréal, QC*

The purpose of this study was to compare the objective and subjective outcomes of patients over 40 years old with those of a group of younger patients, all of whom underwent arthroscopic ACL reconstruction with quadruple hamstring autograft.

**PAPER 134**  
**0851 – 0857** Joint Line Fullness: Correlation of Clinical Finding with Presence of Meniscal Pathology  
**A. AL-Juhani, Montréal, QC**

The purpose of the study was to determine sensitivity, specificity and accuracy of the presence of joint line fullness on examination in detecting the presence of both meniscal tears and/or cysts found on MRI or arthroscopy. Joint line fullness was a helpful adjunctive test in detecting meniscal tears with a high positive predictive value.

**PAPER 135**  
**0857 – 0903** Immediate Anatomical Changes Following Medial Opening High Tibial Osteotomy  
**J. Dasilva, London, ON**

*P. Fowler, London, ON*  
*R. Giffin, London, ON*  
*D. Pape, London, ON*

The objective of this study is to determine immediate anatomical changes occurring about the knee following MOWHTO. Our hypothesis is that anatomical changes occur in all planes of motion. More specifically, we hypothesize that posterior tibial slope is increased and patellar height is decreased immediately following the osteotomy.

**0903 – 0912** *Discussion (9 minutes)*

**PAPER 136**  
**0912 – 0918** Rotational Osteotomy of the Proximal Tibia for Mal-Tracking/Dislocation of the Patella  
**J. Cameron, Toronto, ON**

Rotational osteotomy of the proximal tibia for patellar instability, secondary to external tibial torsion, provided better results than isolated patella tendon transfer. The best results were seen in patient with pain and instability but minimal arthritis. It is most important to recognize those patients with excessive external tibial torsion.

**PAPER 137**  
**0918 – 0924** Anterior Hip Impingement - A Precursor to Labral Tears  
**M. Tanzer, Montréal, QC**  
*N. Noisieux, Montréal, QC*

Acetabular labral tears are most commonly associated with minor or atraumatic events. As a result, it is likely that these tears occur in the presence of an abnormal hip joint. The purpose of this investigation was to establish whether anterior hip impingement, secondary to an anterior femoral offset deficiency from a pistol grip deformity, was a common and poorly recognized cause of acetabular labral tears.

**PAPER 138** Puddu Open Wedge High Tibial Osteotomy for Osteoarthritis of the Knee  
**0924 – 0930** **J. Cameron, Toronto, ON**

Open wedge high tibial osteotomy for unicompartmental arthritis with ligament laxity treats both problems. The change in alignment deals with the arthritic symptoms and the opening wedge tensions the collateral ligament. This study documents the short term follow-up of a group of patients with unicompartmental arthritis and associated ligament laxity.

**PAPER 139** Safety of Meniscal Repair Devices: An Anatomic Study  
**0930 – 0936** **M.E. Forsythe, Riverview, NB**

*M. Burman, Montréal, QC*  
*D. Chatha, New York, NY*  
*E. Lenczner, Montréal, QC*  
*R. Marien, Montréal, QC*  
*E. Nilssen, Montréal, QC*  
*M. Schweitzner, New York, NY*

The purpose of this cadaveric and radiographic study was to anatomically determine the proximity of a common commercially available meniscal repair device to the popliteal neurovascular structures

**0936 – 0948** *Discussion (12 minutes)*

**PAPER 140** Outcome Following Medial Opening Wedge High Tibial Osteotomy in Patients Over the  
**0948 – 0954** Age of 55 Years

**T. Whitehead, London, ON**  
*D. Bryant, London, ON*  
*J. Dasilva, London, ON*  
*P. Fowler, London, ON*  
*R. Giffin, London, ON*

To clinically and radiologically evaluate medium term outcome of a patient cohort age 55 years or older at the time of medial opening wedge high tibial osteotomy (MOWHTO).

**PAPER 141** Outcomes of ACL Revision Surgery at Minimum of 2 Year Follow-Up  
**0954 – 1000** **P. MacDonald, Winnipeg, MB**

*A. Dion, Winnipeg, MB*  
*K. Rodwan, Winnipeg, MB*

To describe functional results following revision ACL reconstruction surgery.

**PAPER 142** Clinical Presentation of Patients with Tears of the Acetabular Labrum  
**1000 – 1006** **R.S.J. Burnett, St. Louis, MO**

*M. Curry, St. Louis, MO*  
*G.J. Dellarocca, St. Louis, MO*  
*W.J. Maloney, St. Louis, MO*  
*H. Prather, St. Louis, MO*

A prospective investigation to define the syndrome associated with symptomatic labral tears definitively diagnosed at hip arthroscopy.

**1006 – 1015** *Discussion (9 minutes)*

**1015 – 1045** **Health Break**

**GRAND BALLROOM FOYER**

1045 – 1215

**Symposium 3<sup>A</sup>**

**GRAND BALLROOM E**

Management of Hip and Knee Arthritis in the Young Patient

Moderators: R. Leighton and M. Dunbar

Panel: R. Giffin, J. McAuley, N. Greidanus, J. Powell, J. Gollish, B. Masri, S. MacDonald

KNEE - R. Leighton

Absolute and Relative Indications for High Tibial Osteotomy - Closed R. Giffin

versus Open High Tibial Osteotomy

Level I Evidence for the Perfect Patient for Unicondylar Arthroplasty J. McAuley

Total Knee Replacement- - Level I Evidence for Long Term Outcomes?? R. Leighton

- Indications for the CR vs PS Knee

Cases for the Knee Panel R. Leighton

HIP - M. Dunbar

Surface Replacement-Where are We Now and Where Are We Going?? J. Powell

Level of Evidence??

Total Hip Replacement---Indications and Outcomes of Cobalt Chrome J. Gollish

on Poly Replacements. Level of Evidence??

Total Hip Replacement - Indications and Outcomes of Ceramic Surface B. Masri

replacements

Total Hip Replacement - Indications and Outcomes of Metal-on-Metal S. MacDonald

Replacement. Level of Evidence??

Cases for the Hip Panel M. Dunbar

1215

**MEETING ENDS**

\*<sup>A</sup> The COA gratefully acknowledges the support in the form of an unrestricted educational grant to help make the following sessions possible:

- Smith & Nephew – Symposium 3
- DePuy Canada – ICL 11